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27 **UNITED STATES DISTRICT COURT**  
28 **CENTRAL DISTRICT OF CALIFORNIA**  
**SOUTHERN DIVISION**

AARON KHERIATY M.D.,

Plaintiff,

v.

Case No. 8:21-cv-01367 JVS (KESx)

**DECLARATION OF UNIVERSITY  
OF CALIFORNIA FACULTY IN  
SUPPORT OF PLAINTIFF'S**

1 THE REGENTS OF THE UNIVERSITY  
2 OF CALIFORNIA, a Corporation, and  
3 MICHAEL V. DRAKE, in his official  
4 capacity as President of the UNIVERSITY  
5 OF CALIFORNIA,  
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**MOTION FOR PRELIMINARY  
INJUNCTION**

Date: September 27, 2021  
Time: 1:30 pm  
Place: Courtroom 10C  
Judge: Hon. James V. Selna

Defendants.

We, the undersigned, declare as follows:

1. We are adults of sound mind and make this declaration voluntarily, based upon our own personal knowledge, education, and experience.

2. The University of California (“UC”) is a public university intended to serve the residents of California and is open to students from around the world. It currently has more than 280,000 students and more than 227,000 faculty and staff.<sup>1</sup> We are a group of UC faculty writing regarding vaccination for individuals who have recovered from COVID-19 (the “**naturally immune**”). True and correct copies of our CVs are attached to this declaration as **Exhibit A**. Extensive scientific data demonstrates that naturally immune individuals have robust immunity as a result of having been exposed to the SARS-CoV-2 virus and may suffer *worse* adverse effects after vaccination than individuals not previously exposed to the virus.

3. The evidence shows the infection caused by the SARS-CoV-2 virus in humans produces durable immunity, and that natural immunity induced by the virus is at

<sup>1</sup> <https://www.universityofcalifornia.edu/uc-system>.

1 least comparable to vaccine-induced immunity. We base these opinions on careful  
2 reviews of published and preprint medical literature. The Centers for Disease Control and  
3 Prevention (“**CDC**”) estimates that approximately 115 million persons in the U.S. (35%  
4 of the population) were infected with SARS-CoV-2 by April 2021.<sup>2</sup> The CDC also  
5 estimates that approximately forty nine percent of those aged eighteen to forty-nine years  
6 have been infected with SARS-CoV-2.<sup>3</sup> The California Department of Public Health  
7 estimates that as of June 2021, 85.9% of adults age 18 and older in California have  
8 antibodies to SARS-CoV-2.<sup>4</sup>

11 4. Our declaration addresses three areas:

- 13 A. The strength of natural immunity appearing subsequent to a SARS-CoV-  
14 2 infection.
- 16 B. Whether the Covid-19 vaccine can prevent infection and transmission of  
17 SARS-CoV-2.
- 19 C. Concerns about the growing number of reported serious harms after  
20 receiving the Covid-19 vaccine.

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25 <sup>2</sup> <https://www.cdc.gov/coronavirus/2019-ncov/cases-updates/burden.html>.

26 <sup>3</sup> *Ibid.*

27 <sup>4</sup> <https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/COVID-19/Sero-prevalence-COVID-19-Data.aspx>.

1 **A. Natural Immunity**

2 5. The human body knows how to develop immunity to new viruses. The  
3  
4 adaptive immune system consists of an enormously diverse repertoire of B cells  
5 (precursors of antibody-secreting plasma cells) and T cells with a nearly unlimited  
6 capacity to recognize and ‘adapt’ to previously unseen pathogens.

7  
8 6. University of California policy currently indicates that individuals recently  
9 diagnosed with COVID-19 “may be eligible for a temporary Medical Exemption (and,  
10 therefore, a temporary Exception), for up to 90 days after your diagnosis and certain  
11 treatments.” However, as a matter of factual evidence, more is known about the  
12 durability of natural immunity than the durability of immunity from the Covid-19  
13 vaccines, due to the novelty of the vaccines. Data (please see the cited research studies  
14 below) indicate that natural immunity is more durable than immunity from the Covid-19  
15 vaccines. The 90-day temporary Medical Exemption is therefore not supported by  
16 scientific data and underestimates the durability of natural immunity.  
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19  
20 7. The robust natural immunity that develops after SARS-CoV-2 infection  
21 derives from multiple sources, including antibodies to the nucleocapsid and to the spike  
22 protein, T-helper cells, B-cells, natural killer cells, and innate immunity. Immunologic  
23 studies using human subjects who have had SARS-CoV-2 demonstrate that they  
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1 developed sustained immunity<sup>5</sup> which protect from reinfection<sup>6</sup> and robust T-cell  
2 memory<sup>7</sup> to the virus. This means that the adaptive immune system, after being  
3 successfully engaged in the immune response to SARS-CoV-2, will be capable of  
4 recognizing SARS-CoV-2 in the future.

6 8. As such, it is a more extensive host defense system than the limited array of  
7 antibodies to the spike protein generated by COVID-19 vaccines. The natural immunity  
8 produced by the closely related SARS-CoV-1 has been documented to last for years.<sup>8</sup>

9 This is evident from numerous studies, including:  
10

- 11
- 12 a. A study from researchers at the La Jolla Institute for Immunology found  
13 that that the immune systems of those who recovered from COVID-19  
14 had durable memories of the virus up to eight months after infection.<sup>9</sup>  
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20 <sup>5</sup> <https://pubmed.ncbi.nlm.nih.gov/32743600/>;  
21 <https://www.medrxiv.org/content/10.1101/2020.07.21.20159178v1>.

22 <sup>6</sup> <https://www.nih.gov/news-events/nih-research-matters/sars-cov-2-antibodies-protect-reinfection>.

23 <sup>7</sup> <https://pubmed.ncbi.nlm.nih.gov/32979941/>.

24 <sup>8</sup> <https://www.nature.com/articles/s41586-020-2550-z>;  
25 <https://www.cidrap.umn.edu/news-perspective/2008/08/researchers-find-long-lived-immunity-1918-pandemic-virus>.

26 <sup>9</sup> <https://www.nih.gov/news-events/nih-research-matters/lasting-immunity-found-after-recovery-covid-19>.  
27

- 1 b. A study from researchers at Washington University School of Medicine  
2 which found that “SARS-CoV-2 infection induces a robust antigen-  
3 specific, long-lived humoral immune response in humans.”<sup>10</sup>  
4
- 5 c. A study from researchers at Emory University and Fred Hutchinson  
6 Cancer Research Center which found that recovered COVID-19 patients  
7 mount broad, durable immunity after infection, and that “[t]he durable  
8 antibody responses in the COVID-19 recovery period are further  
9 substantiated by the ongoing rise in both the spike and RBD memory B  
10 cell responses after over 3–5 months before entering a plateau phase over  
11 6–8 months. Persistence of RBD memory B cells has been noted.”<sup>11</sup>  
12
- 13 d. A different group of researchers at Aarhus University Hospital in  
14 Denmark studied the immune response following SARS-CoV-2  
15 infections in 203 recovered patients. The patients’ disease severity  
16 ranged from mild to serious cases that required hospitalization. The  
17 authors found that the vast majority of recovered individuals had  
18 detectable, functional SARS-CoV2 spike-specific adaptive immune  
19 responses, despite diverse disease severities, making vaccination post-  
20 COVID-19 for any of them redundant.<sup>12</sup>  
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25 <sup>10</sup> <https://www.nature.com/articles/s41586-021-03647-4>.

26 <sup>11</sup> <https://doi.org/10.1016/j.xcrm.2021.100354>.

27 <sup>12</sup> [https://www.thelancet.com/journals/ebiom/article/PIIS2352-3964\(21\)00203-6/fulltext](https://www.thelancet.com/journals/ebiom/article/PIIS2352-3964(21)00203-6/fulltext)

1 e. The most recent study of T-cell immunity six months after infection  
2 demonstrated that every single person tested showed “robust T cell  
3 responses to SARS-CoV-2 virus peptides [six months after primary  
4 infection] in all participants” which included those with “asymptomatic  
5 or mild/moderate COVID-19 infection.”<sup>13</sup>  
6

7  
8 9. The Pfizer vaccine had initially, at best, efficacy of 95%,<sup>14</sup> the Moderna  
9 vaccine had efficacy of 94.5%,<sup>15</sup> and the J&J vaccine efficacy was approximately 67%,<sup>16</sup>  
10 and that was under the ideal conditions in a clinical trial, against the original wild-type  
11 variant of the virus. The COVID-19 vaccines have had considerably less efficacy in the  
12 real world which has been the case based on the data to date.<sup>17</sup> Hence, there have been  
13 many thousands of reported “breakthrough” cases of COVID-19 subsequent to  
14 vaccination. Most such cases are alleged to arise from variant strains of the virus that the  
15 original vaccine was not designed to neutralize. The number of breakthrough cases  
16 among the vaccinated was growing so rapidly and burdening resources to such an extent  
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21 xt.

22 <sup>13</sup> <https://www.uk-cic.org/news/cellular-immunity-sars-cov-2-found-six-months-non-hospitalised-individuals>.

23 <sup>14</sup> <https://www.fda.gov/media/144416/download>.

24 <sup>15</sup> <https://www.fda.gov/media/144673/download>.

25 <sup>16</sup> <https://www.fda.gov/media/146338/download>.

26 <sup>17</sup> [https://www.cdc.gov/mmwr/volumes/70/wr/mm7031e2.htm?s\\_cid=mm7031e2\\_w](https://www.cdc.gov/mmwr/volumes/70/wr/mm7031e2.htm?s_cid=mm7031e2_w);  
27 <https://www.nejm.org/doi/10.1056/NEJMoa2108891>; [https://wwwnc.cdc.gov/eid/article/27/10/21-1427\\_article](https://wwwnc.cdc.gov/eid/article/27/10/21-1427_article).

1 that the CDC changed its reporting criteria to only report breakthrough cases to  
2 breakthrough cases resulting in hospitalization or death.<sup>18</sup> In contrast, the more varied  
3 and evolving resources of the native immune system of COVID-19 survivors have proven  
4 effective at neutralizing such variants.<sup>19</sup>

6 10. After a natural SARS-CoV-2 infection, even in cases where antibody  
7 responses have not met the threshold for being “reactive” in the approximately 100  
8 commercial assays, the evidence is clear that cellular based immunity is present. This  
9 evidence reflects that clinical infection alone, without either antibody or cellular based  
10 testing afterwards, is sufficient to identify an individual who is either no longer  
11 susceptible or minimally susceptible to COVID-19, similar to the vaccines.<sup>20</sup>

14 11. Importantly, in such individuals who have had natural SARS-CoV-2  
15 infections, the evidence reflects that they are less likely to again acquire, carry, and  
16 transmit the virus to another individual when compared to those vaccinated for this  
17 virus.<sup>21</sup> This is evident from numerous studies, including:

- 20 a. A new Israeli study of over 6 million participants found that natural  
21 immunity from SARS-CoV-2 infection was better than vaccination  
22 immunity in reducing risk of COVID-19 reinfection, hospitalization, and  
23

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24 <sup>18</sup> *Ibid.*

25 <sup>19</sup> <https://www.cdc.gov/mmwr/volumes/70/wr/mm7021e3.htm>.

26 <sup>20</sup> <https://pubmed.ncbi.nlm.nih.gov/33058753/>.

27 <sup>21</sup> <https://pubmed.ncbi.nlm.nih.gov/33184509/>.

1 severe illness. Vaccination was highly effective, with overall estimated  
2 efficacy for documented infection of 92.8%, hospitalization 94.2% and  
3 severe illness 94.4%. Similarly, the overall estimated level of protection  
4 from prior SARS-CoV-2 infection for documented infection was 94.8%,  
5 hospitalization 94.1%, and severe illness 96.4%.<sup>22</sup> As the study explains,  
6 “both the BNT162b2 vaccine and prior SARS-CoV-2 infection are  
7 effective against both subsequent SARS-CoV-2 infection and other  
8 COVID-19–related outcomes.”<sup>23</sup>

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11  
12 b. Another study from Israel found that the vaccinated had 6.72 times the  
13 rate of infection as compared to those that had had COVID-19:

14 With a total of 835,792 Israelis known to have  
15 recovered from the virus, the 72 instances of  
16 reinfection amount to 0.0086% of people who  
17 were already infected with COVID.  
18

19  
20 By contrast, Israelis who were vaccinated were  
21 6.72 times more likely to get infected after the  
22 shot than after natural infection.<sup>24</sup>  
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25 \_\_\_\_\_  
26 <sup>22</sup> <https://www.medrxiv.org/content/10.1101/2021.04.20.21255670v1>.

27 <sup>23</sup> *Ibid.*

28 <sup>24</sup> <https://www.theblaze.com/op-ed/horowitz-israeli-government-data-shows-natural->

1 c. The Cleveland Clinic recently released an investigation evaluating the  
2 value of COVID-19 vaccination in persons previously infected with the  
3 SARS-CoV-2 virus. All employees of the Cleveland Clinic’s Ohio  
4 facility on December 16, 2020, the day their COVID-19 vaccination  
5 program began, were included (n=52,238). Any individual testing  
6 positive for SARS-CoV-2 at least 42 days earlier was considered  
7 *previously infected*. The investigators measured cumulative incidence of  
8 SARS-CoV-2 infection over the next five months. They found that **none**  
9 **of the 1,359 previously infected who remained unvaccinated**  
10 **contracted SARS-CoV-2 over the course of the research despite a**  
11 **high background rate of COVID-19 in the hospital.** The authors  
12 concluded that “individuals who have had SARS-CoV-2 infection are  
13 unlikely to benefit from COVID-19 vaccination.”<sup>25</sup>

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18 d. A similarly conducted study led by a researcher at University of  
19 California Los Angeles found that there was no difference in the infection  
20 incidence between vaccinated individuals and individuals with previous  
21 infection.<sup>26</sup>

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22  
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24  
25 [immunity-from-infection-much-stronger-than-vaccine-induced-immunity#toggle-gdpr.](#)

26 <sup>25</sup> <https://doi.org/10.1101/2021.06.01.21258176>.

27 <sup>26</sup> <https://www.medrxiv.org/content/10.1101/2021.07.03.21259976v2.full-text>.

1 e. An outbreak of SARS-CoV-2 caused by the Gamma variant infected  
2 24/44 (55%) employees of a gold mine in French Guiana. The attack rate  
3 was 15/25 (60.0%) in fully vaccinated miners, 6/15 (40.0%) in those  
4 partially vaccinated or with a history of COVID-19 (none of the partially  
5 vaccinated with a history of COVID-19 were positive), and 3/4 (75%) in  
6 those not vaccinated. The attack rate was 0/6 among persons with a  
7 previous history of COVID-19 versus 63.2% among those with no  
8 previous history.<sup>27</sup>

9 f. Israel is currently having a new outbreak of COVID-19 cases and the  
10 “Health Ministry data ... showed that fully vaccinated individuals were  
11 responsible for most new cases and most of those hospitalized in  
12 moderate condition or worse.”<sup>28</sup>

13 12. Given the current number of estimated COVID-19 worldwide cases of  
14 approximately 204 million,<sup>29</sup> if reinfection occurred in only 1% of individuals, the world  
15 would have observed 2.04 million second and third cases, with many coming to clinical  
16 attention and/or requiring hospitalization. In fact, no such large volume of recurrent cases  
17 has been observed in any world region. In the 19 months since the COVID-19 virus first  
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24 <sup>27</sup> [https://wwwnc.cdc.gov/eid/article/27/10/21-1427\\_article](https://wwwnc.cdc.gov/eid/article/27/10/21-1427_article).

25 <sup>28</sup> <https://www.timesofisrael.com/over-5000-new-coronavirus-cases-confirmed-monday-as-new-limits-mulled/>.

26 <sup>29</sup> <https://covid19.who.int/>.

1 appeared in the United States, doctors and scientists have not identified any naturally  
2 immune individual that was re-infected with and transmitted this virus to anyone.

3  
4 13. Irish researchers recently published a review of eleven cohort studies with  
5 over 600,000 total recovered COVID patients, not all of whom were well defined and  
6 may have had suspected COVID-19 with positive serologies later on who were followed  
7 up with over ten months. They found the reinfection rate to be 0.27% “with no study  
8 reporting an increase in the risk of reinfection over time.”<sup>30</sup> Based on this data, the  
9 researchers were able to assert that “naturally acquired SARS-CoV-2 immunity does not  
10 wane for at least 10 months post-infection.”<sup>31</sup> The study also did not identify any case of  
11 reinfection of SARS-CoV-2 that resulted in further transmission of the virus.  
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14 14. Based on this data, prior infection with SARS-CoV-2 appears to provide  
15 greater than 99% efficacy from reinfection, which is far greater protection than the  
16 efficacy from vaccine immunity which, in an optimal clinical trial setting, provided no  
17 greater than between 67% and 95% efficacy, depending on the COVID-19 vaccine. The  
18 Pfizer vaccine was reported to have, at best, efficacy of 95%,<sup>32</sup> the Moderna vaccine  
19 94.5%,<sup>33</sup> and the J&J vaccine 67%,<sup>34</sup> under the previous ideal conditions in a clinical  
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23 <sup>30</sup> <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8209951/pdf/RMV-9999-e2260.pdf>.

24 <sup>31</sup> *Ibid.*

25 <sup>32</sup> <https://www.fda.gov/media/144416/download>.

26 <sup>33</sup> <https://www.fda.gov/media/144673/download>.

27 <sup>34</sup> <https://www.fda.gov/media/146338/download>.

1 trial, against the original wild-type variant of the virus. But even assuming the optimal  
2 clinical trial efficacy numbers, this is still far less than the efficacy from having had the  
3 COVID-19 virus, which, based on all the available data, is over 99% effective in  
4 preventing reinfection. *Id.* ¶ 14.

6 15. This finding is not surprising given that vaccines, by design, attempt to  
7 emulate the immunity created by a natural infection. Nonetheless, they never achieve the  
8 same level of protection afforded by natural infection from a virus. They universally  
9 confer inferior immunity to having had the actual virus and even the best vaccines do not  
10 confer immunity to all recipients. In those who do obtain some immunity from  
11 vaccination, the immunity created typically wanes over time.

14 16. A recent article aptly explained why infection-induced immunity to SARS-  
15 CoV-2 is much deeper and broader than vaccine immunity:  
16

17 A natural infection induces hundreds upon hundreds of  
18 antibodies against all proteins of the virus, including the  
19 envelope, the membrane, the nucleocapsid, and the  
20 spike...Dozens upon dozens of these antibodies neutralize the  
21 virus when encountered again. Additionally, because of the  
22 immune system exposure to these numerous proteins  
23 (epitomes), our T cells mount a robust memory, as well. Our T  
24 cells are the ‘marines’ of the immune system and the first line  
25  
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28

1 of defense against pathogens. T cell memory to those infected  
2 with SARSCOV1 is at 17 years and running still....

3  
4 In vaccine-induced immunity...we mount an antibody  
5 response to only the spike and its constituent proteins ... [and]  
6 this produces much fewer neutralizing antibodies, and as the  
7 virus preferentially mutates at the spike, these proteins are  
8 shaped differently and antibodies can no longer ‘lock and key’  
9 bind to these new shapes.  
10  
11

12  
13 **B. Covid-19 Vaccinated Individuals Can Still Become Infected and Transmit the**  
14 **Virus**

15 17. Natural immunity confers an additional benefit over vaccine immunity.  
16 Natural immunity will prevent a virus from being able to replicate and shed in the  
17 naturally immune individual. In contrast, COVID-19 vaccines appear to reduce  
18 symptoms in some but still permit the vaccinees to become infected with and transmit the  
19 virus.<sup>35</sup>

20  
21 18. In animal studies, the COVID-19 vaccine candidates could *not* fully block  
22 viral infection and replication in the nose of monkeys upon viral challenge.<sup>36</sup> In contrast,  
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25 <sup>35</sup> <https://www.cdc.gov/vaccines/covid-19/health-departments/breakthrough-cases.html>  
26 (“There is some evidence that vaccination may make illness less severe for those who are  
27 vaccinated and still get sick.”).

28 <sup>36</sup> <https://www.nejm.org/doi/full/10.1056/NEJMoa2024671>; <https://pubmed.ncbi.nlm.nih.gov/36414441/>

1 the SARS-CoV-2 infection of monkeys completely prevented further re-infection at any  
2 site tested – by nasal, throat, and anal swabs.<sup>37</sup>

3  
4 19. Viral carriage by the vaccinated is reflected in the recent outbreak in  
5 Barnstable County, Massachusetts, which has a 69% vaccination coverage rate amount  
6 its eligible residents.<sup>38</sup> A recent CDC investigation found that 74% of those infected in  
7 the outbreak were fully vaccinated for COVID-19 and, even more alarming, the  
8 vaccinated had on average more virus in their nose than the unvaccinated that were  
9 infected. The study reported zero cases of infection among those that previously had  
10 COVID-19.  
11

12  
13 20. This forced the Director of the CDC, Rochelle Walensky, to admit that  
14 individuals vaccinated for COVID-19, while having less symptoms, can still become  
15 infected with and transmit the virus.<sup>39</sup> Dr. Walensky admitted that “**what [the COVID-  
16 19 vaccines] can’t do anymore is prevent transmission.**”<sup>40</sup> After this admission, Wolf  
17 Blitzer asked Dr. Walensky if “you get covid, you’re fully vaccinated, but you are totally  
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23 [nih.gov/32511340](https://www.nih.gov/32511340).

24 <sup>37</sup> <https://pubmed.ncbi.nlm.nih.gov/32616673/>.

25 <sup>38</sup> <https://www.cdc.gov/mmwr/volumes/70/wr/mm7031e2.htm>.

26 <sup>39</sup> <https://twitter.com/CNNSitRoom/status/1423422301882748929>.

27 <sup>40</sup> <https://twitter.com/CNNSitRoom/status/1423422301882748929>.

1 asymptomatic, you can still pass on the virus to someone else, is that right?” and Dr.  
2 Walensky answers “**that is exactly right.**”<sup>41</sup>

3  
4 21. While COVID-19 vaccinees can be asymptomatic carriers and spreaders of  
5 SARS-CoV-2, based on all available data to date, the naturally immune have a near zero  
6 risk of becoming reinfected with and transmitting SARS-CoV-2.

7  
8 **C. Concerns About Harms Associated with the Vaccine**

9 22. The COVID-19 vaccine is not without risk, particularly for those previously  
10 infected with SARS-CoV-2. It violates medical ethics to expose someone to this risk  
11 when they have robust, durable immunity that actually neutralizes SARS-CoV-2 upon  
12 exposure.  
13

14 23. Studies have found that naturally immune individuals have significantly  
15 higher rates of adverse reactions when receiving the COVID-19 vaccine. For example,  
16 Raw et al. reported that among 974 individuals vaccinated for COVID-19, the vaccinated  
17 COVID-19 recovered patients had higher rates of vaccine reactions.<sup>42</sup> Mathioudakis et  
18 al. found the same result in a study of 2,002 individuals vaccinated for COVID-19.<sup>43</sup>  
19  
20  
21 Krammer et al. found the same result in a study of 231 volunteers vaccinated for COVID-  
22

23  
24  
25 <sup>41</sup> <https://twitter.com/CNNSitRoom/status/1423422301882748929>.

26 <sup>42</sup> <https://www.medrxiv.org/content/10.1101/2021.04.15.21252192v1>.

27 <sup>43</sup> <https://www.mdpi.com/2075-1729/11/3/249>.

1 19, concluding that, “Vaccine recipients with preexisting immunity experience systemic  
2 side effects with a significantly higher frequency than antibody naïve vaccines.”<sup>44</sup>

3  
4 24. The primary system for tracking adverse events after vaccination in the  
5 United States is the Vaccine Adverse Events Reporting System (VAERS) to which  
6 “fewer than 1% of vaccine adverse events are reported.”<sup>45</sup>

7  
8 25. Reports of serious adverse events from COVID-19 vaccines are apparently  
9 similarly underreported to VAERS. *Id.* For example, according to the CDC,  
10 “Anaphylaxis after COVID-19 vaccination is **rare** and occurred in approximately **2 to 5**  
11 **people per million** vaccinated in the United States based on events reported to  
12 VAERS.”<sup>46</sup> However, a recent study at Mass General Brigham that assessed anaphylaxis  
13 in a clinical setting after COVID-19 vaccination found “severe reactions consistent with  
14 anaphylaxis occurred at a rate of **2.47 per 10,000 vaccinations.**”<sup>47</sup> This is equivalent to  
15 50 to 120 times more cases than what VAERS and the CDC are reporting for a serious,  
16 potentially life-threatening, adverse event that occurs almost immediately after  
17 vaccination and which medical providers are advised they must watch for and report.

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24 <sup>44</sup> <https://doi.org/10.1101/2021.01.29.21250653>.

25 <sup>45</sup> <https://healthit.ahrq.gov/sites/default/files/docs/publication/r18hs017045-lazarus-final-report-2011.pdf>.

26 <sup>46</sup> <https://www.cdc.gov/coronavirus/2019-ncov/vaccines/safety/adverse-events.html>.

27 <sup>47</sup> <https://jamanetwork.com/journals/jama/fullarticle/2777417>.

1           26. If anaphylaxis is being underreported, the level of underreporting for serious  
2 adverse events that do not occur immediately after vaccination or are not easily identified  
3 is likely far greater. For example, on June 23, 2021, the CDC reported the alarming  
4 numbers of reported myocarditis and pericarditis cases occurring after COVID-19  
5 vaccination.<sup>48</sup> The long-term effects of myocarditis are not fully understood but can be  
6 very serious. Cases of thrombocytopenia have also occurred after COVID-19  
7 vaccination, as well as serious and sometimes fatal blood clots.<sup>49</sup> These and numerous  
8 other serious adverse events are being recognized but the true rate of these serious adverse  
9 events is most certainly underreported.<sup>50</sup>

13 \_\_\_\_\_  
14 <sup>48</sup> <https://www.cdc.gov/vaccines/acip/meetings/downloads/slides-2021-06/03-COVID-Shimabukuro-508.pdf> at page 27.

15 <sup>49</sup> <https://www.fda.gov/news-events/press-announcements/joint-cdc-and-fda-statement-johnson-johnson-covid-19-vaccine>.

17 <sup>50</sup> Research shows that the coronavirus spike protein from COVID-19 vaccines enters the  
18 bloodstream and can be found throughout the body in almost all vital organs.  
19 <https://academic.oup.com/cid/advance-article/doi/10.1093/cid/ciab465/6279075>. This  
20 would help explain the high rate of reported blood clots, heart disease, brain damage and  
21 reproductive issues. Dr. Byram Bridle, a viral immunologist and associate professor at  
22 the University of Guelph, Ontario, recently stated: “We made a big mistake. We didn’t  
23 realize it until now... We thought the spike protein was a great target antigen, we never  
24 knew the spike protein itself was a toxin and was a pathogenic protein. So by vaccinating  
25 people we are inadvertently inoculating them with a toxin.” <https://omny.fm/shows/on-point-with-alex-pierson/new-peer-reviewed-study-on-covid-19-vaccines-sugge>. Recent  
26 data from Japan – data not required by the U.S. – reflects that lipid nano particles from  
27 the vaccine encapsulating the spike protein mRNA are being deposited into vital organs  
28 after vaccination. Of concern are the data related to lipid nano particles depositing into  
the adrenal glands, bone marrow, liver, ovaries, brain, and spleen and increasing in  
quantity over time post-vaccination. <https://www.icandecide.org/wp-content/uploads/2021/06/Translation-of-Japanese-data.pdf> at 16-17.

1           27. Studies reflect that the SARS-CoV-2 spike protein from COVID-19  
2 vaccines enters the bloodstream and can be found throughout the body in almost all vital  
3 organs.<sup>51</sup> This accords with recent data from Japan – data not required by the U.S. –  
4 which reflects that lipid nano particles from the vaccine encapsulating the spike protein are  
5 being deposited into vital organs after vaccination, including the adrenal glands, bone  
6 marrow, liver, ovaries, brain, and spleen and increasing in quantity over time post-  
7 vaccination.<sup>52</sup> This may explain the high rate of reported blood clots, heart disease, and  
8 other serious issues from the COVID-19 vaccine.  
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11           28. In a paper published by Bruno, et al. the authors pose urgent questions on  
12 COVID-19 vaccine safety, highlighting the high number of reported serious adverse  
13 events to this vaccine and the short comings of the clinical trials including exclusion of  
14 those with prior SARS-CoV-2 infection.<sup>53</sup> Vaccinating the naturally immune can lead to  
15 serious injury or death by causing antigen specific tissue inflammation in any tissues  
16 harboring viral antigens.  
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19           29. The ethical issue with exposing the naturally immune is compounded by the  
20 fact that the data on the safety and pharmacokinetic profiles of the spike protein have not  
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23  
24 <sup>51</sup> <https://academic.oup.com/cid/advance-article/doi/10.1093/cid/ciab465/6279075>.

25 <sup>52</sup> <https://www.lifesitenews.com/wp-content/uploads/2021/06/Pfizer-bio-distribution-confidential-document-translated-to-english.pdf> at 16-17.

26 <sup>53</sup> <https://jeffreydachmd.com/wp-content/uploads/2021/05/Peter-A-Mccullough--SARS-CoV2-mass-vaccination-Urgent-questions-on-vaccine-safety.pdf>.

1 been made available to the scientific community. In particular:

2 a. All COVID-19 vaccines produce SARS-CoV-2 spike protein in-situ.

3  
4 Therefore, the safety profile of spike protein itself (i.e., in the absence of virus) must be  
5 thoroughly understood, and this is not currently the case.

6 b. Evidence of systemic circulation of the spike protein or its components after  
7 vaccination has been reported.<sup>54</sup> In fact, all studies we are aware of to date raise concerns  
8 about the safety of spike protein,<sup>55 56 57 58 59 60 61 62 63 64 65 66 67</sup> and that the concentration  
9 of circulatory spikes is correlated with disease severity in COVID-19 patients.<sup>68</sup>  
10

11  
12 c. Additional potential COVID-19 vaccine safety concerns have been  
13

14 <sup>54</sup> <http://dx.doi.org/10.1093/cid/ciab465>.

15 <sup>55</sup> <http://dx.doi.org/10.1038/nm1267>.

16 <sup>56</sup> <http://dx.doi.org/10.1128/JVI.02560-09>.

17 <sup>57</sup> <http://dx.doi.org/10.1371/journal.ppat.1009128>.

18 <sup>58</sup> <http://dx.doi.org/10.1186/s13045-020-00954-7>.

19 <sup>59</sup> <https://www.mdpi.com/2673-527X/1/1/4>.

20 <sup>60</sup> <http://dx.doi.org/10.1016/j.ejim.2021.04.019>.

21 <sup>61</sup> <http://dx.doi.org/10.1165/rcmb.2020-0544OC>.

22 <sup>62</sup> <http://dx.doi.org/10.1038/s41593-020-00771-8>.

23 <sup>63</sup> <http://dx.doi.org/10.1016/j.bbrc.2021.03.100>.

24 <sup>64</sup> <http://dx.doi.org/10.1161/CIRCRESAHA.121.318902>.

25 <sup>65</sup> <http://dx.doi.org/10.1073/pnas.2105968118>.

26 <sup>66</sup> <http://dx.doi.org/10.1016/j.vph.2020.106823>.

27 <sup>67</sup> <http://dx.doi.org/10.3390/vaccines9010036>.

28 <sup>68</sup> <http://dx.doi.org/10.1093/clinchem/hvaa213>.

1 identified, including risks that may vary by age and sex. Additional concerns may be  
2 identified in the future.<sup>69 70 71</sup>

3  
4 30. A thorough investigation of serious adverse events captured by  
5 pharmacovigilance systems in the U.S. has not yet been reported and the systems in the  
6 U.S. have limitations. In Israel, for example, myocarditis was estimated to occur in 1 in  
7 3000 to 1 in 6000 men ages 16 to 24 who received the Pfizer/BioNTech, or between 5  
8 and 25 times the background rate.<sup>72</sup> However, this excess risk was not detected by the  
9 CDC for several months.

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11  
12 31. Because previously infected individuals are already immune to SARS-CoV-  
13 2, the risks they face from COVID-19 vaccination, even if minimal, exceeds the benefit  
14 of receiving the vaccine.

15  
16 32. Based on our communications with other University of California  
17 physicians and researchers, it is our understanding that many agree that mandating  
18 vaccination for individuals who have recovered from COVID-19 is unlikely to yield a  
19 health benefit, but they are reluctant to express this publicly due to concerns about  
20 employment security, academic promotion, or other repercussions.

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24 <sup>69</sup> <http://dx.doi.org/10.3390/biology10030238>.

25 <sup>70</sup> <http://dx.doi.org/10.1016/j.mehy.2020.110009>.

26 <sup>71</sup> <http://dx.doi.org/10.1016/j.tranon.2020.100814>.

27 <sup>72</sup> <https://www.sciencemag.org/news/2021/06/israel-reports-link-between-rare-cases-heart-inflammation-and-covid-19-vaccination>.

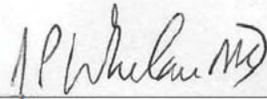
1           33. Based on the foregoing, we conclude that those who have been infected with  
2 SARS-CoV-2 are at least as protected as those vaccinated for COVID-19, are less likely  
3 to spread SARS-CoV-2 to others, and will be exposed to the potential harm from this  
4 vaccine without a counterbalancing benefit because they are already immune to the virus.  
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1 I declare under penalty of perjury under the laws of the United States of America that the  
2 foregoing is true and correct this 14 day of August, 2021, at Los Angeles  
3 CA.  
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8 Joseph Ladapo, MD, PhD  
9 Center for HIV Identification, Prevention, and  
10 Treatment Services, UCLA; Associate Professor  
11 with Tenure, Division of General Internal  
12 Medicine/Health Services Research, Department  
13 of Medicine, David Geffen School of Medicine  
14 at UCLA  
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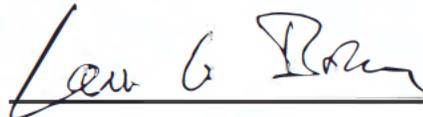
1 I declare under penalty of perjury under the laws of the United States of America that the  
2 foregoing is true and correct this 17<sup>th</sup> day of August, 2021, at Los Angeles,  
3 CA  
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9 John Patrick Whelan, MD, PhD

10 Clinical Associate Professor of Molecular  
11 Microbiology & Immunology, Keck/USC;  
12 Clinical Associate Professor of Pediatrics,  
13 David Geffen School of Medicine, UCLA  
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2 the foregoing is true and correct this 14 day of August, 2021, at  
3 Szolnok, HUNGARY  
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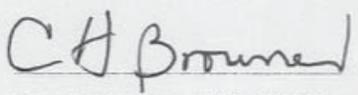
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8 Laszlo G. Boros, MD  
9 Recently Retired Adjunct Professor of Pediatrics,  
10 Endocrinology and Metabolism, UCLA  
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I declare under penalty of perjury under the laws of the United States of America that  
the foregoing is true and correct this \_\_\_\_\_ day of August, 2021, at

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Carole Browner, PhD, MPH  
Distinguished Research Professor, Professor  
Emerita, Departments of Psychiatry,  
Anthropology, and Gender Studies, UCLA

1 I declare under penalty of perjury under the laws of the United States of America that the  
2 foregoing is true and correct this \_\_\_\_\_ day of August, 2021, at \_\_\_\_\_,

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4 \_\_\_\_\_.



5 Dated: \_\_\_8/18/21\_\_\_\_\_

\_\_\_\_\_   
Aditi Bhargava, PhD  
Professor Emerita, Department of Ob-Gyn,  
Center for Reproductive Sciences, UCSF

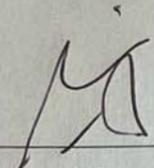
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I declare under penalty of perjury under the laws of the United States of America that  
the foregoing is true and correct this \_\_\_\_\_ day of August, 2021, at

\_\_\_\_\_.

Dated: 8/13/21

  
\_\_\_\_\_

Gabriel Vorobiof  
Health Sciences Associate Clinical Professor of  
Medicine, Division of Cardiology and the  
Department of Molecular & Medical  
Pharmacology, UCLA

# Exhibit A

Last updated: 06/29/2021 9:54 PM hew

**Joseph A. Ladapo, M.D., Ph.D.**  
**Curriculum Vitae**

**BUSINESS INFORMATION**

Business Address: UCLA Department of Medicine  
Division of General Internal Medicine and  
Health Services Research (GIM/HSR)  
1100 Glendon Ave., Suite 850  
Los Angeles, CA 90024

Business Phone: (310) 794-2728

Email: [jladapo@mednet.ucla.edu](mailto:jladapo@mednet.ucla.edu)

URLs: <https://www.uclahealth.org/joseph-ladapo>  
<http://pophealth.med.nyu.edu/faculty/ladapj01>

**EDUCATION**

1996-2000	B.A.	WAKE FOREST UNIVERSITY Chemistry, <i>Magna cum laude</i>
2000-2008	M.D.	HARVARD MEDICAL SCHOOL New Pathway program
2003-2004		HARVARD UNIVERSITY JOHN F. KENNEDY SCHOOL OF GOVERNMENT Spent one year in Master in Public Policy program before transferring to Ph.D. Program in Health Policy
2004-2008	Ph.D.	HARVARD UNIVERSITY Health Policy, Decision Sciences concentration
2006 Jul -2007 Jun		HARVARD MEDICAL SCHOOL/HARVARD PILGRIM HEALTH CARE Helmut Schumann Fellowship, Ambulatory Medicine
2008 Jun -2011 Jun		BETH ISRAEL DEACONESS MEDICAL CENTER Residency in Internal Medicine

**LICENSURE**

2011-2016	New York, Medical License (Number 262408-1)
2016-present	California, Medical License (Number 144374)

**BOARD CERTIFICATION:**

2011-present	Board Certification, American Board of Internal Medicine
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**PROFESSIONAL EXPERIENCE:**

**Present Positions:**

- 2020 Jun-present **Core Scientist.** Center for HIV Identification, Prevention, and Treatment Services (CHIPTS), UCLA, Los Angeles, CA
- 2020 May-present **Associate Professor with Tenure.** Division of General Internal Medicine/Health Services Research (GIM/HSR), Department of Medicine (DOM), David Geffen School of Medicine at UCLA (DGSOM), Los Angeles, CA
- 2016 Jul-2020 April **Associate Professor-in-Residence.** Division of General Internal Medicine/Health Services Research (GIM/HSR), Department of Medicine (DOM), David Geffen School of Medicine at UCLA (DGSOM), Los Angeles, CA
- 2016 Jul-present **Adjunct Assistant Professor.** Department of Population Health and Medicine, New York University School of Medicine

**Past Positions:**

- 2012 Nov - 2014 Jan **Staff Fellow.** Food and Drug Administration, Center for Devices and Radiological Health, Bethesda, MD
- 2011 Jun - 2016 Jun **Assistant Professor.** Population Health and Medicine, New York University School of Medicine
- 2011 Jun - 2016 Jun **Assistant Attending,** Medicine, Tisch Hospital, New York, NY
- 2011 Jun - 2016 Jun **Assistant Attending.** Medicine, Bellevue Hospital, New York, NY

**PROFESSIONAL ACTIVITIES:**

**University-Based Committee Service and Activities:**

- 2019-2020 **Member.** Faculty Search Committee, Division of General Internal Medicine/Health Services Research (GIM/HSR), Department of Medicine, David Geffen School of Medicine at UCLA
- 2021 Jul - 2022 Jun **Member.** UCLA South General Institutional Review Board (SGIRB)

**Committee Service (non UCLA/non UCLA-affiliated):**

- 2001-2002,  
2004-2005 **Member.** Committee on Admission of Students, Harvard Medical School, Boston, MA
- 2005 Jun-2011 Jul **Tutor** for pre-medical students. Cabot House Pre-Med Committee, Harvard University, Cambridge, MA

2015-2016 **Member.** Secondary Prevention Guidelines Committee, New York University School of Medicine

**Professional Associations and Scholarly Societies:**

2007, 2011-present **Member.** Society for Medical Decision Making  
2013-present **Member.** AcademyHealth  
2014-present **Member.** American College of Physicians  
2015-present **Member.** American Heart Association  
2016-present **Member.** Society of General Internal Medicine

**Editorial Services to Scholarly Publications (Reviewer):**

2009-present American Heart Journal (AHJ), Reviewer  
2009-present Annals of Internal Medicine (AIM)  
2009-present Circulation  
2009-present Health Affairs  
2009-present JAMA  
2009-present JAMA Internal Medicine  
2009-present JAMA Ophthalmology  
2009-present JAMA Pediatrics  
2009-present Journal of American College of Cardiology (JACC)  
2009-present Journal of American Heart Association JAHA  
2009-present Journal of General Internal Medicine (JGIM)  
2009-present Pediatrics  
2009-present PLoS ONE  
2009-present Radiology  
2009-present Value in Health  
2017-present British Journal of Ophthalmology  
2018-present American Heart Journal (AHJ), Editorial Board Member  
2020 Journal of the American Society of Nephrology

**Consulting Activities:**

2008 Jun – 2019 Dec **Research Consultant.** S2 Statistical Solutions, Inc., Cincinnati, OH  
2010 Jun – 2019 Dec **Research Consultant.** CardioDx, Inc., Palo Alto, CA

2019 **Research Consultant**. The Medicines Company, Parsippany, NJ  
2020 Jun-present **Senior Advisor**, Gallup, Inc. GALLUP®

**Community Service:** None

## HONORS AND AWARDS

1996-2000 Guy T. Carswell Scholarship, Wake Forest University  
2004-2005 National Library of Medicine Training Grant  
2005 Academy of Achievement International Achievement Summit Attendee  
2005 National Science Foundation Graduate Research Fellowship Honorable Mention  
2005 Graduate Society Summer Fellowship, Harvard University  
2005-2006 Agency for Healthcare Research and Quality Training Grant  
2007 Helmut Schumann Fellow in the Department of Ambulatory Care and Prevention at Harvard Medical School and Harvard Pilgrim Health Care, Deferred until 2007  
2007 Harvard Medical School through the MD/Ph.D. Social Sciences Track and the Medical Sciences Training Program (MSTP), Second cycle funding  
2010 Daniel E. Ford Award in Health Services and Outcomes Research, John Hopkins University  
2012 Harvard Medical School Class of 2012 Resident Teaching Award  
2013-2019 National Institute of Health Loan Repayment Award (National Heart, Lung, and Blood Institute)  
2014 Annals' Junior Investigator Recognition Award  
2014–2019 Amos Scholar, Robert Wood Johnson Foundation Harold Amos Medical Faculty Development Program

## RESEARCH GRANTS AND FELLOWSHIPS RECEIVED

2008 Co-Investigator  
NIMHD (R24 MD001648-08)  
**“A Community-Academic Partnership to Address Disparities in Obesity among Youth: Students for Nutrition and Exercise (SNaX)”**  
\*01/01/08–12/31/15 Total Award: \$1,149,674  
PI: M. Schuster  
\*Dr. Ladapo participated on the grant from 01/01/12 to 12/31/12.  
The study aims to evaluate the effectiveness of a community-based participatory research intervention for middle school students, SNaX, in promoting peer advocacy of healthy eating and school cafeteria changes to reduce obesity.

- 2009-2013 Co-Investigator  
AHRQ (R24 MD001648-08)  
**“Comparative Effectiveness of ACE Inhibitors for African Americans”**  
\*09/30/11–07/31/13 Total Award: \$1,185,673  
PI: G. Ogedegbe  
\*Dr. Ladapo participated on the grant from 01/01/12 to 12/31/12.  
This study aims to examine potential racial differences in the effectiveness, safety and adverse effects of ACE inhibitors.
- 2010-2012 Paid Consultant  
NHLBI (RC2 HL101663)  
**“Comparison of Depression Interventions after Acute Coronary Syndromes (CODIACS)”**  
08/01/10–07/31/12 Total Award: \$2,197,126  
PI: K. Davidson  
Multicenter, randomized, controlled trial of a patient preference-based, stepped care protocol for persistent depressive symptoms after acute coronary syndrome.
- 2010-2013 Co-Investigator  
NCCDPHP (1U48DP002671-01)  
**“NYU Prevention Research Center: Comparative Effectiveness Research”**  
07/14/10–07/13/13 Total Award: \$3,287,881  
PI: R. Braithwaite  
The aim of the study is to leverage resources and conduct a multi-factorial community -based CER study in urban black communities to reduce hypertension and colorectal cancer disparities.
- 2010-2014 Co-Investigator  
NHLBI (5U01HL105229-04)  
**“Effectiveness of smoking-cessation interventions for urban hospital patients”**  
09/20/10–12/31/14 Total Award: \$5,109,906  
PI: S. Sherman  
Comparing the effectiveness and cost effectiveness of an enhanced inpatient intervention for all smokers plus one of two post-discharge cessation options among a diverse population of psychiatric and medical/surgical patients at two urban hospitals.
- 2012-2018 Co-Investigator  
NCI (4R01CA162035-05)  
**“Implementing Tobacco Use Treatment Guidelines in Dental Public Health Clinics”**  
04/01/12–08/31/18 Total Award: \$3,623,498  
PIs: D. Shelley and J. Ostroff

J.A. Ladapo-5

This study will test models of care that have promise to increase adoption and implementation of tobacco cessation clinical practice guideline into routine dental practice, an essential step toward achieving national health objectives and for ultimately reducing tobacco-related health disparities in the United States.

2013-2016 Co-Investigator

NHLBI (5R01HL117323-03)

**“Incorporation of a hypertension working group into the Jackson Heart Study”**

06/15/13–06/30/16

PI: P. Muntner

The proposed study will identify novel risk factors for hypertension and potential approaches to improve hypertension control rates and reduce blood pressure related complications among African Americans.

2013-2018 Co-Investigator

NHLBI (5R01HL114924-03)

**“Depression Screening RCT in ACS Patients: Quality of Life and Cost Outcomes”**

08/01/13–07/31/18 Total Award: \$2,448,552

PI: K. Davidson

This RCT will evaluate the quality-adjusted life year benefits and health care costs of implementing the American Heart Association’s guideline for screening and treatment of depression in adults with acute coronary syndrome.

2013-2019 Principal Investigator

NIH/NHLBI (1K23HL116787-05)

**“Patient-centered Approaches to Diagnosing Coronary Heart Disease”**

08/01/13–07/31/19 Total Award: \$348,564

The aim of this study is to develop patient-centered approaches to diagnosing coronary heart disease that improve diagnostic accuracy, reduce unnecessary testing and radiation exposure, and incorporate the impact of false-positive stress test results on patients’ anxiety, perception of illness, and quality of life.

2014-2015 Co-Investigator

PCORI: CDRN (1306-03961)

**“New York City Clinical Data Research Network”**

05/15/14–10/16/15

PI: R. Kaushal

The New York City Clinical Data Research Network (NYC-CDRN) will bring together 7 health systems and a total of 22 organizations from across New York City to prepare a comprehensive data infrastructure for comparative effectiveness research covering up to 6 million patients

2015-2019 Principal Investigator  
AMFDP/ RWJF (72426)  
**“A Randomized Comparative Effectiveness Trial of Financial Incentives versus Usual Care for Smokers Hospitalized in the Veterans Affairs Hospital System”**  
01/01/15–12/31/19 Total Award: \$286,954

The aim of this study is to determine the feasibility and acceptability of financial incentives to promote smoking cessation, and compare the impact of two approaches for smoking cessation in smokers hospitalized in the Veterans Affairs Hospital System. We will also estimate the short-term and long-term return on investment of using financial incentives to promote smoking cessation.

2017-2021 Principal Investigator  
NIH (7R01MD011544-02)  
**“Financial Incentive Strategies for Weight Loss in Obese Patients Living in Socioeconomically Disadvantaged Neighborhoods”**  
02/13/17–06/30/21 Total Award: \$3,455,054

This randomized study will enroll patients with obesity living in neighborhoods with a high concentration of low socioeconomic status households and compare the impact of financial incentives for weight loss on sustained weight loss, use of evidenced-based therapy, and quality of life; we will also determine the intervention's short-term and long-term return on investment.

2018-2022 Principal Investigator  
NIH/NHLBI (U01HL142104-03)  
**“Behavioral Economics and Implementation Research to Reduce Cardiovascular Risk in HIV-infected Adults”**  
06/01/18–05/31/22 Total Award: \$2,771,584

This study will evaluate the effectiveness and acceptability of a multi-level, multi-component intervention to increase evidence-based prescribing of statins to people living with HIV at increased risk of cardiovascular disease.

2018-2021 Co-Investigator  
NIH/NIA (R011AG059815)  
**“Pragmatic Trial of an Electronic Health Record/Behavioral Economics Intervention to Reduce Pre-operative Testing for Cataract Surgery”**  
09/01/18–06/30/21 Total Award: \$1,970,305  
PI: C. Sarkisian

This study is an interdisciplinary electronic health record (EHR)-based intervention that applies behavioral economics approaches (i.e., “nudges”) to reduce pre-op testing for cataract surgery in a real-world clinical setting. Using a pragmatic randomized trial that will be implemented at UCLA Health, we will

measure changes in the percentage of patients undergoing pre-op testing (labs, EKG, CXR) and other secondary patient, physician and system level outcomes.

2018-2020 Pilot Principal Investigator

Resource Centers for Minority Aging Research (RCMAR) (P30AG021684)

**“Resource Centers for Minority Aging Research IV/Center for Health Improvement of Minority Elderly III”**

09/15/18–06/30/20 Total Award: \$ 31,500

Project PI: C. Mangione

To create a program that will contribute to the reduction in health disparities for African American & Latino elders by training & mentoring minority faculty who will advance their careers by conducting research on minority elders.

2019-2023 Principal Investigator

NIH/NHLBI (1R01DA045688-01A1)

**“Financial Incentives for Smoking Cessation Treatment II”**

02/15/19–03/31/23

Co-PI: S. Sherman

This randomized study is enrolling high-risk, hospitalized smokers and comparing the impact of three financial incentive/behavioral economic approaches for smoking cessation on smoking abstinence, use of evidenced-based therapy, and quality of life; an economic evaluation of the strategies will also be performed.

2019-2023 Principal Investigator

NIH/NIDA (1R01DA045688-02)

**“Financial Incentive Strategies for Smoking Cessation in High-Risk, Hospitalized Patients”**

02/15/19–12/31/23 Total Award: \$3,374,192

Co-PI: S. Sherman

This three-arm randomized trial aims to significantly advance the science and implementation of financial incentives for smoking cessation interventions among high-risk, hospitalized smokers in Los Angeles and New York. We will compare the impact of three approaches for smoking cessation on smoking abstinence, use of evidenced-based therapy, and quality of life as well as the short and long-term return on investment of using goal-directed and outcome-based financial incentives to promote smoking cessation.

2020 Principal Investigator

NIH (R01DA045688-02S1)

**“Financial Incentives to Help People with Cognitive Impairment Quit Smoking”**

01/01/20–12/31/20 Total Award: \$383,718

Co-PI: S. Sherman

The aim of this study are to adapt standard FIESTA II interventions for patients with dementia who are current smokers and evaluate the effectiveness of the dementia-specific smoking cessation interventions vs. usual care.

2020-2023 Principal Investigator  
NIH (UG3HL154302-01)  
**“Multi-ethnic Multi-level Strategies and Behavioral Economics to Eliminate Hypertension Disparities in LA County”**  
09/01/20–08/31/23 Total Award: \$2,717,988  
Co-PI: A. Brown

Using the Exploration, Preparation, Implementation, Sustainment (EPIS) framework, which describes the multi-stage, multi-level process of implementing evidence-based practices (EBPs) in public service systems, this project proposes multi-level interventions for hypertension control. EPIS provides a comprehensive, organized list of relevant factors to consider at each level, like other frameworks (e.g., CFIR), but organizes the factors within stages that will guide our implementation process from initial exploration through long-term sustainment. This project will expand by also explicitly incorporating factors that contribute to and maintain racial/ethnic CVD disparities and will complete EPIS Exploration/Preparation stages in the UG3 and Implementation/ Sustainment stages in the UG4.

## LECTURES AND PRESENTATIONS

1. 2013 Oct **Presenter.** What’s Changed in the Assessment of CAD post-COURAGE, BARI-2D, FAME-2 and FREEDOM? via teleconference. ACC Webinar, October 15, 2013
2. 2014 Mar **Presenter.** Challenges in Appropriate Testing and Evaluation of Patients with Suspected Heart Disease. Grand Rounds, Department of Medicine, Hackensack University Medical Center, Hackensack, NJ, March 11, 2014
3. 2014 Sep **Presenter.** Reducing the Population Health Burden of Cardiovascular Disease, Jefferson School of Population Health Forum, 2014; Presentation 85; Philadelphia, PA, September 10, 2014, Audience: Physicians and hospital administrators  
Podcast available at:  
[http://jdc.jefferson.edu/hpforum/85/http://library.jefferson.edu/videos/jsph/health\\_policy\\_forum/pophealthforum091014.mp3](http://jdc.jefferson.edu/hpforum/85/http://library.jefferson.edu/videos/jsph/health_policy_forum/pophealthforum091014.mp3)
4. 2014 Nov **Presenter.** Challenges in Diagnosis of Coronary Artery Disease and Novel Methods for Improving Diagnosis, National Association of Managed Care Physicians, Fall Managed Care Forum; Las Vegas, NV, November 14, 2014

5. 2015 Sep **Presenter.** Quality Pitfalls and Challenges in the Evaluation of Patients for Heart Disease, U.S. Group Reinsurance ROSE Conference; Bloomington, MN.
6. 2019 Jan **Presenter.** Gene-expression Test for Diagnosing Obstructive Coronary Artery Disease. Precision Medicine World Conference, Silicon Valley, CA, January 22, 2019, Audience: physicians, basic scientists, biotech engineers
7. 2019 Dec **Presenter.** Influenza: Epidemiology, Treatment, and Vaccination. Presented at: West Hills Hospital & Medical Center (WHHMC), West Hills, CA, December 06, 2019. Audience: WHHMC Department of Medicine Multi-specialty physicians
8. 2020 Dec **Presenter.** Behavioral Economics and Implementation Research to Reduce Cardiovascular Risk in HIV-Infected Adult. Presented at: NHLBI Workshop on the Integration of Behavioral Economics into Implementation Research (BEIR) to Address Heart, Lung, Blood and Sleep (HLBS) Conditions (Virtual presentation), October 29, 2020. Audience: NHLBI Participants and Workshop Invitees
9. 2021 Apr **Presenter.** The HIV Example and Lessons for Psoriasis and Psoriatic Arthritis. Presented at: NHLBI Virtual Stakeholder Meeting: Prevention of Cardiovascular Disease in Patients with Psoriasis and Psoriatic Arthritis: Bridging the Evidence to Practice Gap for Statins (Virtual presentation), April 09, 2021. Audience: NHLBI Participants and Stakeholders

**Abstract (not in print) Presentations:**

1. **Ladapo JA**, Shaffer JA, Fang Y, Uhler LM, Ye S, Davidson KW. Cost-effectiveness of Enhanced Depression Care for Patients with Acute Coronary Syndrome and Depressive Symptoms: Results of the COPES Randomized Controlled Trial. Presented at: SMDM Annual North American Meeting; October 17, 2012; Phoenix, AZ. Abstract available in: SMDM Conference Proceedings <https://smdm.confex.com/smdm/2012az/webprogram/Paper6921.html>. Poster Presentation.
2. Nrupen A. Bhavsar NA, Ravenell JE, Ogedegbe G, Jason A. Roy JA, Braithwaite RS, **Ladapo JA**. Projected Cost-Effectiveness of a Barbershop-Based Intervention to Reduce Hypertension in Black Men. Presented at: SMDM Annual North American Meeting; October 17, 2012; Phoenix, AZ. Abstract available in: SMDM Conference Proceedings <https://smdm.confex.com/smdm/2012az/webprogram/Paper7296.html>. Poster Presentation.
3. **Ladapo JA**, Blecker S, Elashoff MR, Federspiel JJ, Vieira DL, Sharma G, Monane M, Rosenberg S, Phelps CE, Douglas PS. Referral Bias in the Diagnostic Performance of Exercise Testing with Imaging for Coronary Artery Disease. Presented at: SMDM Annual North American Meeting; October 18, 2012; Phoenix, AZ. Abstract available in: SMDM

Conference Proceedings.

<https://smdm.confex.com/smdm/2012az/webprogram/Paper7052.html>. Oral Presentation.

4. Phelps CE, Douglas PS, O'Sullivan AK, Deflin M, Leahy K, Elashoff MR, Monane M, and **Ladapo J**. Cost Effectiveness of a Gene Expression Score and Myocardial Perfusion Imaging for Diagnosis of Coronary Artery Disease. Presented at: SMDM Annual North American Meeting; October 19, 2012; Phoenix, AZ. Abstract available in: SMDM Conference Proceedings.  
<https://smdm.confex.com/smdm/2012az/webprogram/Paper7215.html>. Poster Presentation.
5. **Ladapo JA**, Lyons-Hartnet H, Yau M, Rich P, Newton, D, Bruce-Mensah K, Johnson A, Ping Y, Stemkowski S, Monane M. The Clinical Utility of Novel Genomic-Based Test on Medical Decision Making for the Evaluation of Obstructive Coronary Artery Disease in the Ambulatory Care Setting. Presented at: SMDM Annual North American Meeting; October 21, 2013; Baltimore, MD. Abstract available in: SMDM Conference Proceedings.  
<https://smdm.confex.com/smdm/2013md/webprogram/Paper7824.html>. Poster Presentation.
6. **Ladapo JA**. Physician Decision-Making and Trends in Use of Cardiac Stress Testing to Diagnose Coronary Heart Disease in the United States. Presented at: SMDM Annual North American Meeting; Baltimore, MD; October 21, 2013. Abstract available in: SMDM Conference Proceedings.  
<https://smdm.confex.com/smdm/2013md/webprogram/Paper7918.html>. Oral Presentation.
7. **Ladapo JA**, Rodwin BA, Braithwaite RS, Pandya A, Riles TS, Rockman CB, Berger JS. Adherence to Preventive Practices and Projected Population Impact of Health System Interventions for Coronary Heart Disease. Presented at: SMDM Annual North American Meeting; October 22, 2013; Baltimore, MD. Abstract available in: SMDM Conference Proceedings <https://smdm.confex.com/smdm/2013md/webprogram/Paper7752.html>. Oral Presentation.
8. **Ladapo J**, Lyons H, Yau M, Rich P, Newton D, BruceMensah K, Johnson A, Zhou Y, Stemkowski S, Monane M. The Clinical Utility of a Novel Genomic-Based, Gene Expression Test to Evaluate Elderly Patients  $\geq 65$  Years Old Presenting with Symptoms of Suspected Obstructive Coronary Artery Disease in the Ambulatory Care Setting: Subgroup Results from the REGISTRY I Trial (Investigation of a Novel Gene Expression Test for the Diagnosis of Obstructive CAD on Physician's Practice Pattern). Presented at: Gerontological Society of America (GSA); November 20-24, 2013; New Orleans, LA. Poster Presentation.
9. **Ladapo JA**, Sharp D, Maniet B, Ross L, Blanchard J, Monane M. Use of a Personalized Medicine, Gene Expression Score Influenced Decision Making around Referral to Cardiology among Female Patients Presenting to Primary Care with Symptoms Suggestive of Obstructive Coronary Artery Disease. Presented at: SMDM Annual North American Meeting; October 22, 2014; Miami, FL. Abstract available in: SMDM Conference Proceedings. <https://smdm.confex.com/smdm/2014fl/webprogram/Paper8488.html> Poster Presentation.
10. **Ladapo JA**. Physician Decision Making and Trends in the Use of Cardiac Stress Testing in the United States. American College of Physicians (ACP) Internal Medicine Meeting; April 28-May 02, 2015; Boston, MA. Oral Presentation.

11. **Ladapo J**, Pitcavage JM, Pfeifer JM, Lee IA, Runge JM, Williams BA. Patient Beliefs and Preferences Do Not Explain Variation in Subsequent Testing after Initial Evaluation for Ischemic Heart Disease. SMDM Annual North American Meeting; October 20, 2015; St. Louis, MO. Abstract available at: SMDM Conference Proceedings. <https://smdm.confex.com/smdm/2015mo/webprogram/Paper9128.html>. Oral Presentation.

## TEACHING ACTIVITIES

### Teaching Activities (UCLA or UCLA-affiliated):

#### Clinical Teaching

- 2016 Jul-present **Hospitalist**. Ward Attending: Inpatient Internal Medicine, Course #: IM101 (Attending, 5 times per year), Ronald Reagan-UCLA Med. Ctr., Audience: Residents, Fellows and Medical Students
- 2019 Apr-Jun **Preceptor**. Longitudinal, Course # MD001, DGSOM at UCLA, Spring, 2019. Audience: 3rd year medical students
- 2019 Oct-Dec **Preceptor**. Longitudinal, Course # MD001, DGSOM at UCLA, Fall, 2019. Audience: 3rd year medical students

#### Mentoring

- 2016 Sep-Present **Medical Student Mentor**. Mentee: Cassandra DeWitt, DGSOM at UCLA  
Project: *“Differences in Cardiovascular Care among Patients with and without HIV”*
- 2017 Aug-Present **Medical Student Mentor**. Mentee: Alexander Chen, DGSOM at UCLA  
Project: *“Physician Prescribing of Opioids to Patients at Increased Risk of Overdose from Benzodiazepine Use in the United States”*
- 2019 Jan-Present **Medical Student Mentor**. Mentee: Zekun Feng, DGSOM at UCLA  
Project: *“Differences in Cardiovascular Care between Adults with and without Opioid Prescriptions in the United States”*
- 2019 Mar-Present **Medical Student Mentor**. Mentee: Dominic Williams, DGSOM at UCLA  
Project: *“Differences in Cardiovascular Care between Adults with and without Opioid Prescriptions in the United States”*
- 2020 May-Present **Medical Student Mentor**. Mentee: Jasmeet Dhaliwal, 2020 UCLA CTSI Summer Fellowship Program, DGSOM at UCLA  
Project: *“Undertreatment of Hypertension in Patients with Systemic Lupus Erythematosus and Rheumatoid Arthritis”*

#### Lectures and Other Teaching Activities

- 2016 Mar **Presenter**. Preventing Cardiovascular Disease: Pathways through Diagnostic Testing, Clinical Guidelines, and Patient Decision

- Making, GIM/HSR Seminar Series, DGSOM, Los Angeles, CA, March 10, 2016, Audience: UCLA Faculty/Fellows
- 2018 Jan **Presenter.** Can Behavioral Economics Improve Health? Department of Grand Rounds, VA Greater Los Angeles Healthcare System, Los Angeles, CA, January 24, 2018, Audience: VA Attending Physicians, Residents and Medical Students
- 2019 Jun **Presenter.** Reducing Cardiovascular Risk among People Living with HIV: The INcreasing Statin Prescribing in HIV Behavioral Economics REsearch (INSPIRE) Randomized Trial). Grand Rounds, UCLA CFAR/AIDS Institute, Los Angeles, CA, June 07, 2019, Audience: CARE Center Community Advisory Board
- 2019 Oct **Presenter.** INcreasing Statin Prescribing in HIV Behavioral Economics Research (INSPIRE). UCLA Center for Clinical AIDS Research and Education (CARE), Los Angeles, CA, October 15, 2019, Audience: CARE Center Community Advisory Board
- 2021 May **Presenter.** Preventing Cardiovascular Disease: Pathways through Diagnostic Testing, Clinical Guidelines, and Patient Decision Making, GIM/HSR Seminar Series, DGSOM, Los Angeles, CA, May 14, 2021, Audience: UCLA Faculty/Fellows/Staff

**Teaching Activities (non UCLA or UCLA-affiliated):**

Clinical Teaching

- 2011 Jun - 2016 Jun **Assistant Attending Physician** in Medicine, Tisch Hospital, New York, NY
- 2011 Jun - 2016 Jun **Assistant Attending Physician** in Medicine, Bellevue Hospital, New York, NY

Mentoring

- 2012 Oct - 2015 Feb **Medical Student Mentor.** Mentee: Benjamin Rodwin, MD, New York University School of Medicine/Columbia University College of Physicians and Surgeons
- Project: *“Scientific Publications on Firearms in Youth before and after Congressional Action Prohibiting Federal Research Funding”*
- 2014 Feb-Present **Doctoral Research Mentor.** Mentee: Elizabeth Stevens, MPH, New York University College of Global Public Health
- Project(s):
- *“Use of Pre-Operative Testing and Physicians’ Response to Professional Society Guidance”*

- *“Cost and Cost-Effectiveness of Students for Nutrition and Exercise (SnaX)”*
- *“Quality of Health Economic Evaluations for a Major Cardiovascular Disease Practice Guideline”*

2014 Jul -2016 Aug      **Medical Student Mentor.** Mentee: Michael O’Donnell, MD, New York University School of Medicine/Yale University School of Medicine  
Project(s): *“Appropriate Use of Cardiac Stress Testing with Imaging”*

2014 Jul-Present      **Medical Student Mentor.** Mentee: Saahil Jumkhawala, Tufts University School of Medicine  
Project: *“Preferences for Financial Incentive Design among Hospitalized Patients Interested in Quitting Smoking”*

2014 Oct – 2015 May      **Medical Student Mentor.** Mentee: Daniel Farrell, MD, New York University School of Medicine/ Columbia University College of Physicians and Surgeons  
Project: *“Quality of Health Economic Evaluations for a Major Cardiovascular Disease Practice Guideline”*

2016 Apr-Present      **Medical Student Mentor.** Mentee: Andrew White, SUNY Downstate College of Medicine  
Project: *“Association between Financial Distress and Smoking Cessation Outcomes among Hospitalized Patients Receiving Financial Incentives for Smoking Cessation”*

Other Teaching Activities

1998      **Teaching Fellow.** Introduction to Organic Chemistry, Wake Forest University, Winston-Salem, NC

2005      **Teaching Fellow.** Health Economics and Policy, Harvard University, Cambridge, MA

2005      **Teaching Fellow.** Decision Analysis in Clinical Research, Harvard School of Public Health, Boston, MA

2005 Jun - 2011 Jul      **Tutor** for pre-medical students. Cabot House Pre-Med Committee, Harvard University, Cambridge, MA

2006      **Teaching Fellow.** Decision Analysis Methods in Public Health and Medicine, Harvard School of Public Health, Boston, MA

2007      **Teaching Fellow.** Introduction to Health Care Policy, Harvard University, Cambridge, MA

2008      **Teaching Fellow.** The Economics of Health Care Policy, Harvard

Kennedy School of Government, Cambridge, MA

2013 Jun - 2014 Jul

**Co-Director.** Decision Analytic Research Methods, New York University School of Medicine, New York, NY

2014 Mar

**Presenter.** *Challenges in Appropriate Testing and Evaluation of Patients with Suspected Heart Disease.* Grand Rounds, Department of Medicine, Hackensack University Medical Center, Hackensack, NJ, March 11, 2014

**Joseph A. Ladapo**  
**PUBLICATIONS/BIBLIOGRAPHY**

**RESEARCH PAPERS**

RESEARCH PAPERS (PEER-REVIEWED):

A. RESEARCH PAPERS – PEER REVIEWED:

1. Sobol RW, Watson DE, Nakamura J, Yakes FM, Hou E, Horton JK, **Ladapo J**, Van Houten B, Swenberg JA, Tindall KR, Samson LD, Wilson SH. Mutations Associated with Base Excision Repair Deficiency and Methylation-Induced Genotoxic Stress. *Proc Natl Acad Sci*. 2002 May 14;99(10):6860-5. doi: 10.1073/pnas.092662499. PMID: PMC124494.
2. **Ladapo JA**, Neumann PJ, Keren R, Prosser LA. Valuing Children's Health: A Comparison of Cost-Utility Analyses for Adult and Pediatric Health Interventions. *Pharmacoeconomics*. 2007 Oct;25(10):817-28. doi: 10.2165/00019053-200725100-00002.
3. **Ladapo JA**, Hoffmann U, Bamberg F, Nagurney JT, Cutler DM, Weinstein MC, Gazelle, GS. Cost-Effectiveness of Coronary MDCT in the Triage of Patients with Acute Chest Pain. *Am J Roentgenol*. 2008 Aug;191(2):455-63. doi: 10.2214/AJR.07.3611.
4. Prosser LA, **Ladapo JA**, Rusinak D, Waisbren SL. Parental Tolerance for False-Positive Newborn Screening Results. *Arch Pediatr Adolesc Med*. 2008 Sep;162(9):870-6. doi: 10.1001/archpediatrics.2008.1.
5. Warren L, **Ladapo JA**, Borah B, Gunnarsson CL. Open Abdominal Versus Laparoscopic and Vaginal Hysterectomy: Analysis of a Large US Payer Measuring Quality & Cost of Care. *J Minim Invasive Gynecol*. 2009 Sep-Oct;16(5):581-8. doi: 10.1016/j.jmig.2009.06.018.
6. **Ladapo JA**, Horwitz JR, Weinstein MC, Gazelle GS, Cutler DM. Adoption and Spread of New Imaging Technology: A Case Study. *Health Aff (Millwood)*. 2009 Nov-Dec;28(6):w1122-32. doi: 10.1377/hlthaff.28.6.w1122.
7. **Ladapo JA**, Jaffer FA, Hoffmann U, Thomson CC, Bamberg F, Dec W et al. Clinical Outcomes and Cost-Effectiveness of Coronary Computed Tomography Angiography in the Evaluation of Patients with Chest Pain. *J Am Coll Cardiol*. 2009 Dec 15;54(25):2409-22. doi: 10.1016/j.jacc.2009.10.012.
8. Fullum TM, **Ladapo JA**, Borah BJ, Gunnarsson CL. Comparison of the Clinical and Economic Outcomes between Open and Minimally Invasive Appendectomy and Colectomy: Evidence from a Large Commercial Payer Database. *Surg Endosc*. 2010 Apr;24(4):845-53. doi: 10.1007/s00464-009-0675-0. PMID: PMC2846276.
9. Pilz G, Patel PA, Fell U, **Ladapo JA**, Rizzo JA, Fang H, et al. Adenosine-Stress Cardiac Magnetic Resonance Imaging in Suspected Coronary Artery Disease: A Net Cost Analysis and Reimbursement Implications. *Int J Cardiovasc Imaging*. 2011 Jan;27(1):113-21. doi: 10.1007/s10554-010-9645-9. PMID: PMC3035783.

10. **Ladapo JA**, Jaffer FA, Weinstein MC, Froelicher ES. Projected Cost-Effectiveness of Smoking Cessation Interventions in Patients Hospitalized with Myocardial Infarction. *Arch Intern Med*. 2011 Jan 10;171(1):39-45. doi: 10.1001/archinternmed.2010.479.
11. Goehler A, Ollendorf DA, Jaeger M, **Ladapo J**, Neumann T, Gazelle GS, et al. A Simulation Model of Clinical and Economic Outcomes of Cardiac CT Triage of Patients with Acute Chest Pain in the Emergency Department. *Am J Roentgenol*. 2011 Apr;196(4):853-61. doi: 10.2214/AJR.10.4962.
12. **Ladapo JA**, David G, Gunnarsson CL, Hao S, White S, et al. Healthcare Utilization and Expenditures in Patients with Atrial Fibrillation Treated with Catheter Ablation. *J Cardiovasc Electrophysiol*. 2012 Jan;23(1):1-8. doi: 10.1111/j.1540-8167.2011.02130.x.
13. **Ladapo JA**, Kymes SM, Ladapo JA, Nwosu VC, Pasquale LR. Projected Clinical Outcomes of Glaucoma Screening in African American Individuals. *Arch Ophthalmol*. 2012 Mar;130(3):365-72. doi: 10.1001/archophthalmol.2011.1224.
14. Reynolds MR, Gunnarsson CL, Hunter TD, **Ladapo JA**, March JL, Zhang M, Hao SC. Health Outcomes with Catheter Ablation or Antiarrhythmic Drug Therapy in Atrial Fibrillation: Results of a Propensity-Matched Analysis. *Circ Cardiovasc Qual Outcomes*. 2012 Mar 1;5(2):171-81. doi: 10.1161/CIRCOUTCOMES.111.963108.
15. Lee J, Kothari R, **Ladapo JA**, Scott DJ, Celi LA. Interrogating a Clinical Database to Study Treatment of Hypotension in the Critically Ill. *BMJ Open*. 2012 Jun 8;2(3). pii: e000916. doi: 10.1136/bmjopen-2012-000916. PMID: PMC3371576.
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17. Hao SC, Hunter TD, Gunnarsson C, March JL, White SA, **Ladapo JA**, Reynolds MR. Acute Safety Outcomes in Younger and Older Patients with Atrial Fibrillation Treated with Catheter Ablation. *J Interv Card Electrophysiol*. 2012 Nov;35(2):173-82. doi: 10.1007/s10840-012-9690-5.
18. **Ladapo JA**, Shaffer JA, Fan Y, Ye S, Davidson KW. Cost-Effectiveness of Enhanced Depression Care after Acute Coronary Syndrome: Results from the Coronary Psychosocial Evaluation Studies Randomized Controlled Trial. *Arch Intern Med*. 2012 Nov 26;172(21):1682-4. doi: 10.1001/archinternmed.2012.4448. PMID: PMC3657548.
19. Gunnarsson C, Chen J, Rizzo JA, **Ladapo JA**, Lofland JH. Direct Health Care Insurer and Out-of-Pocket Expenditures of Inflammatory Bowel Disease: Evidence from a US National Survey. *Dig Dis Sci*. 2012 Dec;57(12):3080-91. doi: 10.1007/s10620-012-2289-y.
20. Lala A, Berger JS, Sharma G, Hochman JS, Scott Braithwaite R, **Ladapo JA**. Genetic Testing in Patients with Acute Coronary Syndrome Undergoing Percutaneous Coronary Intervention: A Cost-Effectiveness Analysis. *J Thromb Haemost*. 2013 Jan;11(1):81-91. doi: 10.1111/jth.12059.
21. Gunnarsson C, Chen J, Rizzo JA, **Ladapo JA**, Naim A, Lofland JH. The Employee Absenteeism Costs of Inflammatory Bowel Disease: Evidence from US National Survey Data. *J Occup Environ Med*. 2013 Apr;55(4):393-401. doi: 10.1097/JOM.0b013e31827cba48.

22. Thomas GS, Voros S, McPherson JA, Lansky AJ, Winn ME, Bateman TM, Elashoff MR, Lieu HD, Johnson AM, Daniels SE, **Ladapo JA**, Phelps CE, Douglas PS, Rosenberg S. A Blood-Based Gene Expression Test for Obstructive Coronary Artery Disease Tested in Symptomatic Non-Diabetic Patients Referred for Myocardial Perfusion Imaging: The COMPASS Study. *Circ Cardiovasc Genet*. 2013 Apr;6(2):154-62. doi: 10.1161/CIRCGENETICS.112.964015.
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24. **Ladapo JA**, Rodwin BA, Ryan AM, Trasande L, Blustein J. Scientific Publications on Firearms in Youth before and after Congressional Action Prohibiting Federal Research Funding. *JAMA*. 2013 Aug 7;310(5):532-4. doi: 10.1001/jama.2013.119355.
25. **Ladapo JA**, Elliott MN, Bogart LM, Kanouse DE, Vestal KD, Klein DJ, Ratner JA, Schuster MA. Cost of Talking Parents, Healthy Teens: A Worksite-Based Intervention to Promote Parent-Adolescent Sexual Health Communication. *J Adolesc Health*. 2013 Nov;53(5):595-601. doi: 10.1016/j.jadohealth.2012.11.015. PMID: PMC4538929.
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29. **Ladapo JA**, Elliott MN, Kanouse DE, Tortolero SR, Windle M, Cuccaro PM, Davies SL, Schuster MA. Tobacco Use and Smoking Intentions among U.S. Fifth-Grade Students. *J Adolesc Health*. 2014 Sep;55(3):445-51. doi: 10.1016/j.jadohealth.2014.03.008. PMID: PMC4143448.
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- Patients with Acute Coronary Syndromes. *Am J Med*. 2014 Oct;127(10):1012-6. doi: 10.1016/j.amjmed.2014.05.004. PMID: PMC4198457.
32. **Ladapo JA**, Blecker S, Douglas PS. Physician Decision Making and Trends in the Use of Cardiac Stress Testing in the United States: An Analysis of Repeated Cross-Sectional Data. *Ann Intern Med*. 2014 Oct 7;161(7):482-90. doi: 10.7326/M14-0296. PMID: PMC4335355.
33. Blecker S, **Ladapo JA**, Doran KM, Goldfeld KS, Katz S. Emergency Department Visits for Heart Failure and Subsequent Hospitalization or Observation Unit Admission. *Am Heart J*. 2014 Dec;168(6):901-8.e1. doi: 10.1016/j.ahj.2014.08.002. PMID: PMC4254520.
34. Williams BA, **Ladapo JA**, Merhige ME. External Validation of Models for Estimating Pretest Probability of Coronary Artery Disease among Individuals Undergoing Myocardial Perfusion Imaging. *Int J Cardiol*. 2015 Mar 1;182:534-40. doi: 10.1016/j.ijcard.2015.01.015.
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40. **Ladapo JA**, Herman L, Weiner BH, Rhee B, Castle L, Monane M, McPherson JA. Use of A Blood Test Incorporating Age, Sex, and Gene Expression Influences Medical Decision-Making in the Evaluation of Women Presenting with Symptoms Suggestive of Obstructive Coronary Artery Disease: Summary Results from Two Ambulatory Care Studies in Primary Care. *Menopause*. 2015 Nov;22(11):1224-30. doi: 10.1097/GME.0000000000000443.
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- (SNaX). *Acad Pediatr*. 2016 Apr;16(3):247-53. doi: 10.1016/j.acap.2015.07.009. PMID: PMC4808504.
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35. **Ladapo J**, “The Doctor’s Art” *Harvard Focus*, July 2010, <<http://www.focushms.com/?p=91>> (22 August 2010)
36. **Ladapo J**, “Engaging Patients in End-of-Life Care” *Harvard Focus*, December 2010, <<http://www.focushms.com/forum/engaging-patients-in-end-of-life-care/>> (18 March 2011)
37. **Ladapo J**, “When the Patient Is the Teacher” *Harvard Focus*, May 2011, <<http://www.focushms.com/features/when-the-patient-is-the-teacher/>> (29 July 2011)
38. **Ladapo J**, “After Residency, a New Outlook” *Harvard Focus*, October 2011, <<http://www.focushms.com/forum/after-residency-a-new-outlook/>> (20 December 2011)
39. **Ladapo J**, “Why Patients Should Worry about a Normal Cardiac Stress Test” *News & Observer*, November 6, 2015, <<http://www.newsobserver.com/opinion/oped/article43489080.html>> (30 November 2015)
40. **Ladapo J**, “As a Doctor, I Thought I Knew How to Treat My Patients: Then My Wife Ended Up in the Hospital.” *Washington Post*, January 25, 2016, <<http://wpo.st/CWQ61>> (16 February 2016)

41. **Ladapo J**, Ravenell J, “Doctors’ Duty to Young Black Men.” *New York Daily News*, July 24, 2016, <<http://www.nydailynews.com/opinion/ladapo-ravenell-doctors-duty-young-black-men-article-1.2722119>>.
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44. **Ladapo JA**. Coronavirus Pandemic: We Were Caught Unprepared. It Is Too Late for Shutdowns To Save Us. *USA Today*, March 24, 2020. <<https://www.usatoday.com/story/opinion/2020/03/24/coronavirus-shutdowns-worth-public-health-system-unprepared-column/2898324001/>>
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47. **Ladapo JA**. The Crucial Reopening Question. *Wall Street Journal*, May 21, 2020. <<https://www.wsj.com/articles/the-crucial-reopening-question-11590100302>>
48. **Ladapo JA**. The Coronavirus Credibility Gap. *Wall Street Journal*, July 01, 2020. <<https://www.wsj.com/articles/the-coronavirus-credibility-gap-11593645643?mod=searchresults&page=1&pos=1>>
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50. **Ladapo JA**. How to Live with Covid, Not for It. *Wall Street Journal*, September 16, 2020. <<https://www.wsj.com/articles/how-to-live-with-covid-not-for-it-11600271921>>
51. **Ladapo JA** and Risch HA. Let’s All Be Honest about Hydroxychloroquine: Evidence Is More Positive than Many in the Medical Community Admit. *New York Daily News*, October 18, 2020. <<https://www.nydailynews.com/opinion/ny-oped-lets-all-be-honest-about-hydroxychloroquine-20201013-5j5q4i23qvufzos4jh7ztc3usa-story.html>>
52. **Ladapo JA**. Masks Are a Distraction From the Pandemic Reality. *Wall Street Journal*, October 29, 2020. <<https://www.wsj.com/articles/masks-are-a-distraction-from-the-pandemic-reality-11603927026>>
53. **Ladapo JA**. Too Much Caution Is Killing Covid Patients. *Wall Street Journal*, November 24, 2020. <<https://www.wsj.com/articles/too-much-caution-is-killing-covid-patients-11606238928>>
54. **Ladapo JA**. The Universal Vaccination’ Chimera. *Wall Street Journal*, February 04, 2021. <<https://www.wsj.com/articles/the-universal-vaccination-chimera-11612466130>>
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**PAPERS IN PREPARATION (RESEARCH COMPLETED)** None

J.A. Ladapo-29

## **ABSTRACTS/POSTER PRESENTATIONS**

1. Elashoff M, **Ladapo JA**, Herman CE, Douglas PS. Myocardial Perfusion Imaging Has Markedly Lower Sensitivity after Accounting for Verification Bias. Presented at: American Heart Association Scientific Session Quality of Care and Outcomes Research Meeting; May 9-11, 2012; Atlanta, GA. Abstract available at: *Circ Cardiovasc Qual Outcomes*. 2012;5:A259. [http://circoutcomes.ahajournals.org/content/5/Suppl\\_1/A259.abstract?sid=3ff8cf1d-07b3-4ecb-8dab-a2fc3acbafcb](http://circoutcomes.ahajournals.org/content/5/Suppl_1/A259.abstract?sid=3ff8cf1d-07b3-4ecb-8dab-a2fc3acbafcb). Poster Presentation.
2. **Ladapo JA**, Seare JG, Iorga SR, Buzinec PN, Monane M. Marked Variability in the Patterns of Care and Health Outcomes among Patients Evaluated for Suspected Obstructive Coronary Artery Disease: Results from a Healthcare Claims Database Study of 12,129 Patients. Presented at: American Heart Association Scientific Session Quality of Care and Outcomes Research Meeting; May 17, 2013; Baltimore, MD. Abstract available in: *Circ Cardiovasc Qual Outcomes*. 2013;6:A348. [http://circoutcomes.ahajournals.org/content/6/Suppl\\_1/A348?cited-by=yes&legid=circvq;6/Suppl\\_1/A348](http://circoutcomes.ahajournals.org/content/6/Suppl_1/A348?cited-by=yes&legid=circvq;6/Suppl_1/A348). Poster Presentation.
3. **Ladapo JA**, Lyons H, Yau M, Rich P, Newton D, Bruce-Mensah K, Johnson A, Yunping Zhou Y, Stephen Stemkowski S, Monane M. The Clinical Utility of Novel Genomic-Based, Gene Expression Test in a Registry Study of Women Evaluated for Symptoms Suggestive of Obstructive Coronary Artery Disease in the Ambulatory Care Setting. Presented at: American Heart Association Scientific Session Quality of Care and Outcomes Research Meeting; October 10, 2013; Dallas, TX. Abstract available in: 2013 NAMS Conference Proceedings: 2013:P-61;p.60-61. <http://www.menopause.org/docs/default-source/agm/scientific-poster-abstracts.pdf>. Poster Presentation.
4. McPherson J, Phelps C, Yay M, Juusola J, Monane M, **Ladapo J**. Use of a Personalized Medicine, Blood-Based Gene Expression Score Was Associated with Lower Diagnostic Testing Costs in Women Presenting to Cardiologists with Symptoms Suggestive of Obstructive Coronary Artery Disease: An Economic Analysis of the IMPACT-CARD (Investigation of a Molecular Personalized Coronary Gene Expression Test on Cardiology Practice Pattern) Trial. Presented at: The North American Menopause Society (NAMS) Annual Meeting; October 10, 2013; Dallas, TX. Abstract available in: 2013 NAMS Conference Proceedings: 2013: S-1;p.1. <http://www.menopause.org/docs/default-source/agm/scientific-poster-abstracts.pdf>. Oral Presentation.
5. **Ladapo JA**, Rodwin BA, Braithwaite RS, Pandya A, Riles TS, Rockman CB, Berger JS. Physician Decision-Making and Trends in Use of Cardiac Stress Testing to Diagnose Coronary Heart Disease in the United States. Presented at: American Heart Association Scientific Session Quality of Care and Outcomes Research Meeting; November 18, 2013; Dallas, TX. Abstract available in: *Circ*. 2013;128(Suppl 22):A15561, [http://circ.ahajournals.org/content/128/Suppl\\_22/A15561](http://circ.ahajournals.org/content/128/Suppl_22/A15561). Poster Presentation.
6. **Ladapo JA**, Blecker S, Douglas PS. No Evidence of Racial/Ethnic Disparities in the Noninvasive Evaluation of Patients for Coronary Heart Disease in the United States. Presented at: American Heart Association Scientific Session Quality of Care and Outcomes Research Meeting; November 19, 2013; Dallas, TX. Abstract available in: *Circ*.

2013;128:A15581, [http://circ.ahajournals.org/content/128/Suppl\\_22/A15581](http://circ.ahajournals.org/content/128/Suppl_22/A15581). Poster Presentation.

7. **Ladapo JA**, Blecker S, Douglas P. Trends in Inappropriate Use of Cardiac Stress Testing with Imaging among Primary Care Physicians and Cardiologists in the United States. Presented at: American College of Cardiology (ACC) Annual Scientific Session & Expo; March 30, 2014; Washington, DC. Abstract available in: *J Am Coll Cardiol*. 2014 Apr 01;63(12, S):A1294. doi:10.1016/S0735-1097(14)61294-8. [http://www.onlinejacc.org/content/accj/63/12\\_Supplement/A1294.full.pdf](http://www.onlinejacc.org/content/accj/63/12_Supplement/A1294.full.pdf). Oral Presentation.
8. **Ladapo JA**, Sharp D, Maniet B, Ross L, Blanchard J, Monane M, McPherson J. The Use of a Personalized Medicine, Blood-based Gene Expression Score in a Community-Based Cardiovascular Registry Enrolling Patients Presenting with Symptoms Suggestive of Obstructive Coronary Artery Disease: Interim Results from the PRESET Registry (A Registry to Evaluate Patterns of Care Associated with the Use of Corus® CAD in Real World Clinical Care Settings). Presented at: American Heart Association Scientific Session Quality of Care and Outcomes Research Meeting; June 2-4, 2014; Baltimore, MD. Abstract available in: *Circ Cardiovasc Qual Outcomes*. 2014;7:A167. [http://circoutcomes.ahajournals.org/content/7/Suppl\\_1/A167.abstract?sid=cf35a209-0b01-4756-9868-06426c1fe23a](http://circoutcomes.ahajournals.org/content/7/Suppl_1/A167.abstract?sid=cf35a209-0b01-4756-9868-06426c1fe23a). Poster Presentation.
9. **Ladapo JA**, Herman L, Weiner BH, Rhees B, Castle L, McPherson J. The Use of a Gene Expression Score Was Associated with Improved Medical Decision Making in the Evaluation of Women Presenting with Symptoms Suggestive of Obstructive Coronary Artery Disease: Summary Results from Two Ambulatory Care Studies in Primary Care. Presented at: American College of Cardiology (ACC) Annual Scientific Session & Expo; March 15, 2015; San Diego, CA. Abstract available at: <http://www.cardiodx.com/assets/Abstracts/2015-ACC-Ladapo-LEN-150031.pdf>. Poster Presentation.
10. **Ladapo JA**, Budoff M, Ross L, Huang L, Sharp D, Maniet B, Monane M, Pokrywka GS, Wright RF. Primary Endpoint Results from a Community-Based Registry Evaluating the Use of a Blood-Based Age/Sex/Gene Expression Test in Patients Presenting with Symptoms Suggestive of Obstructive Coronary Artery Disease: the PRESET Registry (A Registry to Evaluate Patterns of Care Associated with the Use of Corus® CAD in Real World Clinical Care Settings). Presented at: American Heart Association Scientific Session Quality of Care and Outcomes Research Meeting; April 29-May 01, 2015; Baltimore, MD. Presentation did not occur, as the conference was canceled. Abstract available in: *Circ Cardiovasc Qual Outcomes*. 2015;8:A142. [http://circoutcomes.ahajournals.org/content/8/Suppl\\_2/A142](http://circoutcomes.ahajournals.org/content/8/Suppl_2/A142). Poster Presentation.
11. Pokrywka G, **Ladapo JA**, Wright R, McLaughlin P, Maniet B, Sharp D, Ross L, Huan L, Mark Monane M, Budoff M. The Clinical Utility of a Blood Test Incorporating Age, Sex, and Gene Expression in the Evaluation of Women Presenting with Stable Symptoms Suggestive of Obstructive Coronary Artery Disease in a Large Primary Care Registry (PRESET): Subgroup Analysis of the Primary Efficacy Endpoint. Presented at: The North American Menopause Society (NAMS) Annual Meeting; October 01, 2015; Las Vegas, NV. Abstract available in: 2015 NAMS Conference Proceedings: 2015:p-91;p.73

<http://www.menopause.org/docs/default-source/agm/nams-2015-scientific-poster-abstracts.pdf> Poster Presentation.

12. **Ladapo JA**, Udo Hoffmann U, Lee KL, Coles A, Huang M, Mark DB, Dolor RL, Pelberg RA, Budoff M, Sigurdsson G, Severance HW, Douglas PS. Changes in Medical Therapy and Lifestyle After Anatomical Versus Functional Testing for Coronary Artery Disease: The PROMISE Trial (PROspective Multicenter Imaging Study for Evaluation of Chest Pain). Presented at: American Heart Association; November 10, 2015; Orlando, FL. Abstract available in: *Circ.* 2015;132:A14051. [http://circ.ahajournals.org/content/132/Suppl\\_3/A14051](http://circ.ahajournals.org/content/132/Suppl_3/A14051). Oral Presentation.
13. **Ladapo JA**, Chokshi DA. Changes in Physicians' Provision of Preventive Cardiovascular Care after the Affordable Care Act. Presented at: American Heart Association; November 13, 2016; New Orleans, LA. Abstract available in: *Circ.* 2016; [http://circ.ahajournals.org/content/134/Suppl\\_1](http://circ.ahajournals.org/content/134/Suppl_1). Oral Presentation.
14. **Ladapo JA**, Chokshi DA. Comparative Effectiveness of a Precision Medicine Blood Test versus Cardiac Stress Testing or Coronary Computed Tomography Angiography Among Patients with Suspected Obstructive Coronary Artery Disease. Accepted for presentation at: American Heart Association; November 11, 2018; Chicago, IL.

## **MEDIA**

1. **Ladapo JA**. Interview with Stan Bunger, KCBS News Radio, May 25, 2020. Discussion regarding op-ed "The Crucial Reopening Question" *WSJ*. May 21, 2020. Available at: <https://kcbsradio.radio.com/media/audio-channel/what-will-employers-do-if-customers-or-employees-test-positive-for-coronavirus>
2. **Ladapo JA**. Interview on YouTube, McCombs School of Business Salem Center for Policy, June 18, 2020. Discussion regarding op-ed "The Crucial Reopening Question" *WSJ*. May 21, 2020. Available at: <https://www.youtube.com/watch?v=wSCKtx6WrPM>
3. **Ladapo JA**. Interview on YouTube, McCombs School of Business Salem Center for Policy, June 18, 2020. Discussion regarding op-ed "The Crucial Reopening Question" *WSJ*. May 21, 2020. Available at: <https://www.youtube.com/watch?v=wSCKtx6WrPM>
4. **Ladapo JA**. Interview with Quin McCarthy, Salem Radio Network: "Chicago's Morning Answer and The Dan Profit Show", July 07, 2020. Discussion regarding op-ed "The Coronavirus Credibility Gap" *WSJ*. July 01, 2020.
5. **Ladapo JA**. Interview on KTLA5, Coronavirus Weekly with Christina Pascucci, July 10, 2020. Discussion regarding op-ed "The Coronavirus Credibility Gap" *WSJ*. July 01, 2020. Available at: <https://ktla.com/podcasts/coronavirus-daily/ep-57-the-coronavirus-credibility-gap-coronavirus-weekly-podcast/>
6. **Ladapo JA**. Interview on KPCC Radio: "Airtalk with Larry Mantle", July 14, 2020. Discussion regarding op-ed "The Coronavirus Credibility Gap" *WSJ*. July 01, 2020. Available at: <https://www.scpr.org/programs/airtalk/2020/07/14/65809/gov-newsom-orders-statewide-reclosures-as-cases-co/>

7. **Ladapo JA**. Interview on YouTube channel program: “Coffee with Cornelius Christian”, July 17, 2020. Discussion regarding op-ed “The Coronavirus Credibility Gap” *WSJ*. July 01, 2020. Available at: <https://www.youtube.com/watch?v=OmBhEX75oo4>
8. **Ladapo JA**. Interview on AM870 Radio: “Dennis Prager Show”, October 29, 2020. Discussion regarding *WSJ* op-ed “Masks Are a Distraction from the Pandemic Reality” October 29, 2020  
Segment 1: Masks Are a Distraction from the Pandemic Reality  
Available at: <https://dennisprager.com/video/dr-ladapo-masks-are-a-distraction-from-the-pandemic-reality/>  
Segment 2: This is NOT a Sustainable Strategy  
Available at: <https://dennisprager.com/video/dr-ladapo-this-is-not-a-sustainable-strategy/>
9. **Ladapo JA**. Interview on KUSI News: “Good Morning San Diego”, October 30, 2020. Discussion regarding *WSJ* op-ed “Masks Are a Distraction from the Pandemic Reality” October 29, 2020. Available at: <https://www.kusi.com/dr-joseph-ladapo-op-ed-masks-are-a-distraction-from-the-pandemic-reality/>

*Curriculum Vitae*

***John Patrick Whelan MD PhD***

Office Address: UCLA Pediatrics, 10833 Le Conte Ave., Rm 12-430, Los Angeles CA 90095  
Phone: 310-206-1826  
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**Education:**

**College:** Harvard University, Cambridge MA

A.B. Biochemistry; Skiddy von Stade Prize at commencement.

**Medical/Graduate School:** Baylor College of Medicine, Houston TX, *PhD 1992; MD 1993*

*Thesis:* Primary activation of human CD4+ T lymphocytes: regulation of phosphatidylinositol signaling by PKC-dependent cellular crosstalk.

**Post-doctoral Training:**

**Internship:** Scripps Green Hospital, La Jolla CA, 1993 - 1994

**Residency:** Scripps Green Hospital, La Jolla CA, 1994 – 1996

**Fellowship:** Rheumatology, Brigham & Women's Hospital, Boston MA, 1996 - 1999  
AIDS-Oncology Fellow, Massachusetts General Hospital, Boston MA, 1998 – 2000

**Faculty Appointments:**

1999 – 2011. Instructor in Pediatrics, Harvard Medical School

2011 – 2013. Asst Professor of Pediatrics, Keck School of Medicine of USC

2018 – 2020. Asst Clinical Professor of Pediatrics, David Geffen School of Medicine

2012 – present. Lecturer in Pediatrics, Harvard Medical School

2016 – present. Clinical Asst Prof of Molecular Microbiology & Immunology, Keck/USC

2020 – present. Assoc Clinical Professor of Pediatrics, David Geffen School of Medicine

**Appointments at Hospitals/Affiliated Institutions:**

Pediatric Rheumatologist, Ronald Reagan UCLA Medical Center/Mattel Children's Hospital

Associate Physician, Massachusetts General Hospital

**Major Administrative Leadership Positions:**

**Local:**

2005 – 2009 Member, Human Studies IRB, Partners Healthcare

2009 – 2015. Harvard Catalyst Clinical Research Center (HCCRC) Review Committee

2012 – present. Academic Advisory Board, Institute for Advanced Catholic Studies at USC.

**Regional:**

1984 – present. Physicians for Social Responsibility (past chapter president)

1989 – present. Physicians for Human Rights (past chapter president)

2018 - 2019. *President* of the Los Angeles Pediatric Society; current Board of Directors

**National:**

Past President and member of the Board of Directors, Catholic Democrats, a 60,000 member national advocacy group involved in Catholic bioethics (2004 – present).  
Board of Directors, National Catholic Reporter (2006 – 2012).  
Session chair, ACR Annual Mtg (2007, 2012, 2013, 2014), Degos Disease & Related Vasculopathies Study Group.  
Session chair and presenter, ACR Annual Mtg (2020), Covid Vasculopathy

**International:**

Organizer and Moderator, Degos Disease International Scientific Meeting, Boston, 9 Nov 2007.  
Co-organizer, NIH Degos Disease International Scientific Symp, Bethesda MD, 27 Apr 2018.

**Professional Societies:**

1984 – present. Physicians for Social Responsibility (past chapter president)  
1986 – present. American Association for the Advancement of Science  
1989 – present. Physicians for Human Rights (past chapter president)  
1996 – present. American College of Rheumatology  
2015 – 2021. Board of Directors, Los Angeles Pediatric Society

**Editorial Activities:**

Founding co-editor, *Pediatric Rheumatology Online Journal*

**Reviewer:** New Engl J Med, Orphanet, Harvard Catalyst, Pediatric Rheumatology, Arthritis Care & Research, Amer J Transplantation.

**Honors and Prizes:**

1978 Valedictorian, Loyola High School, Los Angeles  
1978 1<sup>st</sup> place, Bank of America Math & Science Scholars for Southern California  
1982 Skiddy von Stade Prize at Harvard Commencement  
1990 Outstanding Lab Instructor of the Basic Science Curriculum, BCM class of 1993  
1992 Alumni Recognition Award at graduation, Baylor College of Medicine  
1992 Admissions Committee Award, Baylor College of Medicine  
1992 Outstanding Lab Instructor of the Basic Science Curriculum, BCM class of 1995  
1994 NIH Research Recognition Awards for Clinical Trainees, Bethesda MD  
1995 Charles & Virginia Feld Award for Humanism in Medicine, Scripps Green Hospital  
2011 Certificate of Excellence in Tutoring (Teaching Award), Harvard Medical School  
2014 and 2012 Nominee for the Gleitsman Citizen Activist Award, Center for Public Leadership, Kennedy School of Government, Harvard University  
2020 “Premier Problem Based Learning Tutor,” UCLA Basic Science Curriculum

**Teaching and Training:**

2018 – present. DGSOM Problem-Based Learning instructor.  
2012 – present. Keck USC School of Medicine, immunodeficiency lectures, Foundations of Medical Sciences course  
2013 – present. Keck USC School of Medicine, lecturer in graduate immunology course INTD522 (“Infectious Diseases, Host Defense and Immunological Abnormalities”)  
1998 – present. MGH clinical lectures in rheumatology to House Staff; consultative service one wk/month  
2005 – 2013. MGH Continuing Medical Education course faculty in Pediatrics  
2000 – 2011. Tutorial leader, Introduction to Microbiology and Immunology course at HMS  
1997 – present. Non-resident tutor in medicine, Lowell House, Harvard University. Advising pre-medical students and writing house letters of recommendation.

1997 – 2010. Annual autumn seminar in Lowell House at Harvard University entitled, “Scientific and ethical frontiers in medicine and science,” attended by 15 undergraduates one night weekly for four terms.

1996 – 1999. Conference and consultative interaction with the resident teams at Brigham and Women’s Hospital and Beth Israel Deaconess Medical Center while on the clinical service.

1996 – 1999. HMS Introduction to Clinical Medicine Course, training sophomore medical students in the musculoskeletal exam; lectures at the Mass College of Pharmacy.

**Report of Regional, National, and International Invited Teaching and Presentations:**

1. UCLA Rheumatology Grand Rounds, “Non-vasculitic Vasculopathies,” 19 Feb 2021
2. UCLA Rheumatology Grand Rounds, “Reverse genetics: Is it possible to catch RA from one’s children?” 22 Feb 2019
3. UCLA Rheumatology Grand Rounds, “PANDAS syndrome,” 30 Nov 2018
4. UCLA Pediatrics Grand Rounds, “Viral Arthritis,” 7 Sep 2018
5. Los Angeles Pediatric Society Annual Meeting, Keynote Speaker, 25 Sep 2016
6. Keck/USC Rheumatology Fellowship Seminar, “Rheumatoid Vasculitis,” 10 Jun 2016
7. American College of Rheumatology, Degos Study Group (Boston) 17 Nov 2014
8. Carney Hospital Grand Rounds (affiliated with Tufts School of Medicine). “Immunodeficiency, Infection, and Mental Health.” (Dorchester MA) 5 Feb 2014
9. MERSI Symposium on Child Uveitis. “Eye disease in idiopathic juvenile arthritis.” (Cambridge MA) 29 Sept 2012
10. Harvard Genetics Course. “Rheumatic disease and pregnancy.” 22 Apr 2012
11. USC Health Policy Institute. “How will the Affordable Care Act impact unintended pregnancy in the US?” 17 Apr 2012
12. Health Law and Bioethics Society, USC Gould School of Law. “Does expanding healthcare coverage increase abortion?” Jan 2012
13. MGH General Pediatrics Course. “When zebras limp: uncommon causes of leg pain in children.” Dec 2011
14. Alexion Conference on Degos, NYC. “A Pediatric Perspective on Degos Disease,” May 2011
15. BWH Center for Bioethics. “Religious Perspectives on Embryonic Stem Cell Research,” May 2011 (moderator)
16. Childrens Hospital Los Angeles. “Degos Disease and Related Vasculopathies,” Nov 2010
17. MGH Pediatric Grand Rounds. “New Research on Anti-nuclear and other Autoantibody Production,” Sept 2010
18. NCR Washington DC Conference. “A Catholic Bioethics Perspective on Health Insurance Reform,” May 2010
19. MGH Rheumatology Grand Rounds. “Stickler Syndrome-associated Musculoskeletal Disease,” May 2010
20. Albany Medical College. “Parallels between Degos Disease and Henoch-Schoenlein Purpura,” April 2010
21. NY Hosp for Special Surgery. “Perspectives on Pediatric Degos Disease,” March 2010
22. BWH Center for Bioethics. “Stem Cell Research, IVF and the Culture Wars: Medical Ethics and the Catholic Voice,” 3/11/2009

**Current Licensure:**

Massachusetts medical license 150043

California medical license A53446

**ABIM Board Certification**

Rheumatology (2011 - 2021)  
Internal Medicine (2011 - 2021)

### **Bibliography**

#### **Primary Reference:**

1. Whelan P. Letter to the Food and Drug Administration. *J Biol Physics Chem* 2021;21:10-11
2. Sharma S, Brennan B, Naden R, Whelan P. A case of Degos disease in pregnancy. *Obstetric Medicine* 2016. *Epub* 6/2/2016.
3. Shapiro L, Whelan P, Magro C. Case 18-2014: A man with a rash, myalgia, and weakness. *N Engl J Med*. 2014;371(14):1361.
4. Gaffney EM, Kmiec DW, Whelan JP. *America Undecided* (Los Angeles: Amazon Press, 2012), 243 pages. Medicolegal and bioethical analysis of the political opposition to the 2010 Affordable Care Act: a collaboration by two former law school deans and a bioethicist.
5. Hill CA, Maturo S, Gallagher TQ, Whelan P, Pasternack MS, Hartnick CJ, Kieff DA. Clinical Problem Solving: Pathology Quiz Case 2. *Archives of Otorhinolaryngology, Head & Neck Surgery*. 2012;138(3):317-319.
6. Whelan P. Abortion Rates and Universal Health Care. *New Eng J Med* 2010;362(13)e45.
7. Whelan JP and A Zembowicz. CPC: A 22-Month-old boy with the rapid growth of firm subcutaneous nodules. *N Eng J Med* 2006: 354:2697-2704.
8. Whelan P. Link between rheumatoid arthritis and cancer. *Z Rheumatol*. 2006;65:497-504.
9. Whelan JP, N Reilly, DT Scadden. KSHV-associated primary effusion lymphomas display a characteristic chemokine receptor expression pattern and respond chemotactically to components present in the effusion. *Blood* 2000;96:21a.
10. Whelan JP, Shearer WT, Gilliam EB, Hardy KJ. A protein kinase C-activating phorbol ester accelerates the T cell antigen receptor-stimulated phosphatidylinositol cycle in normal human CD4+ T cells. *J.Immunol*. 1992;148:2872- 2878.
11. Gilliam EB, Schulam PG, Whelan JP, Rosenblatt HM, Shearer WT. Phorbol ester plus calcium ionophore induces release of arachidonic acid from membrane phospholipids of a human B cell line. *Cell. Immunol*. 1991;136:41-49.

#### **Reviews:**

1. Whelan P. Clinical manifestations and diagnosis of rheumatoid vasculitis. Up-to-Date in Rheumatology. 2021;29.1. [www.uptodate.com](http://www.uptodate.com)
2. Whelan P. Epidemiology and pathogenesis of rheumatoid vasculitis. Up-to-Date in Rheumatology. 2021;29.1. [www.uptodate.com](http://www.uptodate.com)
3. Whelan P. Treatment of rheumatoid vasculitis. Up-to-Date in Rheumatology. 2021;29.1. [www.uptodate.com](http://www.uptodate.com)
4. Whelan P. Toevit-19 in Children. *LA Ped Society Newsletter*. 2021;8(1)
5. Whelan P. The Vaping Pandemic. *LA Ped Society Newsletter*. 2019;6(1)
6. Whelan P. Zika Virus Infection. *LA Ped Society Newsletter*. 2016;3(1)
7. Whelan P. When not to worry about Henoch-Schoenlein Purpura. *Los Angeles Pediatric Society*. 2014;1(1)
8. Whelan JP. New developments in the basic biology of Henoch-Schönlein purpura. *Pedi. Rheum. Online J*. 2003;1(1). <http://www.pedrheumonlinejournal.org/issues1/Basic%20Biology.html>
9. Whelan JP and DT Scadden. New developments in the etiopathogenesis and treatment of HIV-related Kaposi's sarcoma. *Clin. Dermatol*. 2000;18(4):469-477.

10. Whelan JP. Rheumatoid arthritis: a new perspective on an old ailment. *Res. Report* 1998;3:80-86.

**Book Chapters:**

1. Whelan P, A rheumatologist's perspective on childhood uveitis, In: *Childhood Uveitis*, C. Stephen Foster *et al.*, eds. Manchester VT: Shires Press, 2011; chapter 7.
2. Whelan JP and DT Scadden. Cancer in the Immunosuppressed Patient, In: *Oncology: An Evidence-Based Approach*, Chang, Ganz, *et al.*, eds., Springer-Verlag New York, 2006; chapter 96.
3. Whelan JP and DT Scadden. Lymphoma and abnormalities of the immune system. In: *Non-Hodgkin's Lymphomas*, Mauch PM, Armitage JO, Harris NL, Coiffier B Dalla-Favera R, eds., 1st ed. Baltimore: Williams & Wilkins, 2004; chapter 45.
4. Whelan JP, Cannon CL. Hypersensitivity. In: *Immunology, Infection, and Immunity: An Introductory Text*. Pier GB, Lyczak JB, Wetzler LM, eds. 2004:chapter 25.
5. Whelan JP, Gilliam EB, Shearer WT. Characterization of phosphatidylinositol and phosphatidylcholine metabolism in human lymphocytes. In: Hughes MR, *et al.*, eds. *Molecular Endocrinology and Hormone Action*. Houston: Biological Associates, Inc., 1993:chapter 5.

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## Appointments

<u>Title</u>	<u>Affiliation</u>	<u>Dates of Appointment</u>
Chief Scientist	<i>Deutenomics Science Institute and SIDMAP, LLC., Culver city, CA, USA</i>	<i>August 2004 - present</i>
Professor	<i>Departments of Pediatrics, Endocrinology &amp; Metabolism, UCLA School of Medicine, Los Angeles, CA, USA</i>	<i>July 2020 – June 2021 (<a href="#">step III</a>) July 2017 – June 2020 (<a href="#">step II</a>) July 2014 – June 2017 (<a href="#">step I</a>)</i>
Investigator	<i>UCLA Clinical and Translational Science Institute (CTSI), Los Angeles, CA, USA</i>	<i>July 2011 – June 2020</i>
Investigator	<i>The Lundquist Institute for Biomedical Innovations at the Harbor-UCLA Medical Center, Torrance, CA, USA</i>	<i>January 2006 – June 2020</i>
Associate Professor	<i>Departments of Endocrinology &amp; Pediatrics, UCLA School of Medicine, Los Angeles, CA, USA</i>	<i>July 2004 – June 2014</i>
Co-Director	<i>BioMedical Mass Spectroscopy Research Laboratory, Los Angeles Biomedical Research Institute at Harbor-UCLA, Torrance, CA, USA</i>	<i>December 1998 – Apr 2004</i>
Assistant Professor	<i>Departments of Endocrinology &amp; Pediatrics, UCLA School of Medicine, Los Angeles, CA, USA</i>	<i>September 1998 – June 2004</i>
Research Scientist	<i>Division of General Surgery, The Ohio State University College of Medicine, Columbus, OH, USA</i>	<i>May 1996 – Aug 1998</i>
Medical Student Research Advisor	<i>The Ohio State University College of Medicine, Columbus, OH, USA</i>	<i>January 1995 – Aug 1998</i>
Research Associate 2-B/H, Postdoctoral Researcher	<i>Division of General Surgery, The Ohio State University College of Medicine, Columbus, OH, USA</i>	<i>June 1990 - May 1996</i>
Visiting Scholar	<i>Essen University Medical School Department of Internal Medicine, Essen, Germany</i>	<i>January 1989 – May 1990</i>
Postgraduate Research Fellow	<i>Hungarian Academy of Sciences, Budapest, Hungary</i>	<i>September 1987 – Dec 1989</i>



**E d u c a t i o n**

<u>School &amp; Location</u>	<u>Degrees</u>	<u>Attendance</u>	<u>Field of Study</u>
Miklós Bercsényi High School Törökszentmiklós, Hungary	High School Diploma	1976 – 1980	Biology, Physics
Albert Szent-Györgyi School of Medicine Szeged, Hungary, EU	<u>Doctor of Medicine (M.D.)</u>	1981 – 1987	Medicine

**C e r t i f i c a t i o n s**

Unrestricted License to Practice Medicine in Hungary and the European Union, Hungarian Board of Medical Examiners, [17/1987 O.E. Szeged, Hungary](#)

United States Medical Licensing Examination (USMLE – ID-0-519-920-3) - [Basic Medical Sciences](#) (1995)

**P r o f e s s i o n a l M e m b e r s h i p s & A w a r d s**

- Three-year domestic research fellowship award of the Hungarian Academy of Sciences (1987)
- C. Williams Hall Outstanding Publication Award - Academy of Surgical Research of the USA (1997)
- American Society for Leukocyte Biology (ASLA; 1992-1995)
- American Association for Cancer Research (AACR; 1998-2012; Membership No: 70054)
- American Pancreatic Association (APA; 1998-present)
- The American Physiological Society (APS; 1998-2010; Membership No: 31927)
- Richard E. Weitzman Memorial Research Award – University of California, Los Angeles, CA, USA, June 2001
- American Gastroenterological Association (AGA; 2002-2007; Membership No: 902797)
- Excellence in Clinical Research Award – GCRC at Harbor-UCLA Medical Center, September 2004
- Metabolomics Society (2004-present; Membership No: 04942012)
- Géza Hetényi Memorial Membership Award of the Hungarian Gastroenterological Society (2007)
- Public Health Impact Investigator Award of the United States Food and Drug Administration (2011)
- President - USA West Coast Hungarian Scientist Club (2014)
- Science Award the county of Jász-Nagykun-Szolnok – Hungary, European Union (2014)
- Best Publication Award - Metabolomics Society & Springer Nature – San Francisco, CA, USA (2015)
- External Member – Hungarian Academy of Sciences – Medical Sciences (V. - 3839/1/2015/HTMT)
- Regional Member Scientists’ Club Szeged – Hungarian Academy of Sciences (2018)
- Twenty Years’ [Service Award](#) from the Los Angeles Biomedical Research Institute (LABIOMED) (2019)
- President – Scientific Translators of Ancient Literature - Hungary, European Union (2019-present)

**C o n s u l t i n g & S c i e n t i f i c E x p e r t W o r k**

*Central Research Institute of Experimental Medicine, Hungarian Academy of Sciences, Budapest, VIII. Szigony street 43, Hungary - Consultant and Collaborator, Carcinogenesis and Metabolic Profiling 1996 - 2003.*

*Hermanies, Major, Castelli & Goodman (Cincinnati, OH). Medical Expert Consultant; Parsley vs. Terminix - Pesticide (Isofenphos) Poisoning and Chronic Myeloid Leukemia (case evaluation), 1997 – 2002.*

*Goodson & Mullins, LTD (Cincinnati, OH). Medical Expert Consultant and Witness; Parsley vs. Terminix (legal arbitration, public) 2002 – 2003. Parsley v. Terminix International Co., No. C-3-97-394, 1998 U.S. Dist. LEXIS 22891 (S.D. Ohio Sept. 15, 1998). Additional reference: Contracting with tortfeasors: Mandatory arbitration clauses and personal injury claims. Elizabeth G. Thornburg, Professor of Law, Southern Methodist University, Dedman School of Law (page 259-260).*



<https://scholarship.law.duke.edu/cgi/viewcontent.cgi?article=1323&context=lcp>

*Biomedicina Research & Development, Inc.* (Budapest, Hungary) – Consultant, Tumor Growth Inhibitory Metabolic Effects of Fermented Wheat Germ, 1999 – 2008.

*GenPath Pharmaceuticals, Inc.* (Cambridge, Massachusetts, USA) – Scientific Advisor and Consultant, 2004 - 2005.

*Aveo Pharmaceuticals, Inc.* (Cambridge, Massachusetts, USA) – Scientific Advisor and Consultant, 2005 - 2006.

*Patrick Swayze's diagnosis with pancreatic cancer medical condition and prognosis coverage (Los Angeles, CA, USA)* – Medical Respondent - Access-Hollywood, Entertainment Tonight, E-news! March 6 – 2008

<https://www.accessonline.com/articles/friends-celebrities-offer-support-for-patrick-swayze-62739>

*Cornerstone Pharmaceuticals, Inc.* (Cranbury, NJ) – Consultant, April 2010 – 2011.

*United States Food and Drug Administration (FDA) National Center for Toxicological Research (NCTR)* (Jefferson, Arkansas) – Consultant and Advisor, April 2010 – 2019.

*Center for Chemical Biology, Stanford University, Stanford Research Institute International (SRI)*, Ravenswood Avenue, Menlo Park CA 94025 USA – Advisor/Consultant, January 2013 – 2018.

*Pacific West Law Group, LLP - Oxygen treatment and deuterium depletion in integrative medicine*, Mill Valley CA 94941 USA – Medical Expert Consultant, December 2018 – 2019.

*Richard Jaffe, Esquire and Children's Health Defense, Robert F. Kennedy Jr.* - <https://childrenshealthdefense.org/> - Sacramento, New York City, Houston USA – Scientist Expert Consultant, 2020.

*The Guy Foundation, Invited Panel Scientist*, 2020 Autumn Series virtual lectures (on Zoom), 2020.

## Patents

**Methods and compositions for detecting immune system activation.** United States Patent Application number WO2013142303 A1; Application number PCT/US2013/031879; Publication date Sep 26, 2013; Filing date Mar 15, 2013; Priority date Mar 19, 2012

**Compositions comprising plant-derived polyphenolic compounds and inhibitors of reactive oxygen species and methods of using thereof.** United States of America Patent Application US20040259816 A1; Application number US 10/824,597; Publication date Dec 23, 2004; Filing date Apr 15, 2004; Priority date Oct 1, 2002

**Compositions comprising plant-derived polyphenolic compounds and inhibitors of reactive oxygen species and methods of using thereof.** United States Patent Application number PCT/US2005/011741; Publication date Oct 27, 2005; Filing date Apr 7, 2005; Priority date Apr 15, 2004

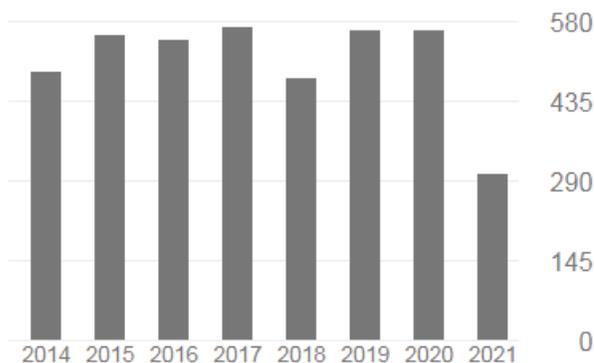
**Analyzing non-toxic stable labeled glucose isotope formation via mass spectrometry/nuclear magnetic resonance.** United States of America Patent Application number US 10/192,744; Publication date Sep 25, 2003; Filing date Jul 9, 2002; Priority date Mar 22, 2002

**Using an isotope such as a stable (13C) isotope for labeling a metabolome to examine mechanisms of cellular substrate flow modification in response to various drugs, which can improve the drug discovery and testing processes.** United States Patent Application number US 10/192,743; Publication date Sep 25, 2003; Filing date Jul 9, 2002; Priority date Mar 22, 2002



### Publication Statistics (Google Scholar)

	All	Since 2016
Citations	7955	3024
h-index	51	28
i10-index	100	65



<https://scholar.google.com/citations?user=ThtG5CUAAAAJ&hl=en&oi=ao>

### Editorial work

*Scientific Reports* (ISSN 2045-2322) [Member of the Editorial Board](#) (2019 - present) – Publisher: Nature

*Molecules* (ISSN 1420-3049) [Member of the Editorial Board](#) (2019 - present) - Publisher: MDPI

*Medicine*® (ISSN: 0025-7974) Editor (2016 – present) - Publisher: Wolters Kluwer; (Frequency: Weekly)

*Metabolomics* (ISSN 1573-3890) Editor & Reviewer (2005 – present)

*Pancreas* (ISSN 1536-4828) Associate Editor & Reviewer (1999 – present)

### Session Chair Assignments

Pharmaceutical & Disease State Applications in Drug Development. Advances in Metabolic Profiling, London, United Kingdom, Nov 1-2, 2005.

Surgical Treatment of Pancreatic Cancer. 41<sup>st</sup> Meeting of the European Pancreatic Club (APC), Szeged, Hungary, July 3, 2009.



Second Scientific Session, 1<sup>st</sup> International Symposium on Deuterium Depletion, Budapest, Hungary, May 14, 2010.

Second Scientific Session, 2<sup>nd</sup> International Symposium on Deuterium Depletion, Budapest, Hungary, May 17-18, 2012. Co-chairman Professor Richard J. Robins, University of Nantes.

Biochemical Aspects and Mechanism of Action of Deuterium Depletion Session, 3<sup>rd</sup> International Symposium on Deuterium Depletion, Budapest, Hungary, May 08, 2015. Co-chair: Dr. Gabor Somlyai, HYD, LLC.

European Society for Isotope Research (ESIR), Methods & Instrumental Techniques Session, Zadar, Croatia, September 23, 2015. Co-chair: S. Halas, Mass Spectrometry Laboratory, Institute of Physics, Marie Curie-Sklodowska University, Lublin, Poland.

Third Scientific Session, 4th International Symposium on Deuterium Depletion, Budapest, Hungary, October 18, 2019.

## Research, Academic & Teaching Committees

MASS SPECTROMETRY ANALYSIS PLANNING COMMITTEE – THE LUNDQUIST INSTITUTE OF BIOMEDICAL INNOVATION AT THE HARBOR-UCLA MEDICAL CENTER, TORRANCE, CA (2000-2020)

UCLA SPECIAL PROGRAM OF RESEARCH EXCELLENCE (SPORE) IN PANCREATIC CANCER - DEVELOPMENTAL RESEARCH PROGRAM COMMITTEE (2002-2008)

UCLA – UCSD (SAN DIEGO) CENTER GRANT FOR PANCREATIC CANCER PRELIMINARY/FEASIBILITY GRANTS COMMITTEE - DEVELOPMENTAL RESEARCH PROGRAM COMMITTEE (2002-2005)

METABOLOMICS (ISSN 1573-3890) (SUPERVISING MEMBER - ELECTION COMMITTEE, 2012)

HIRSHBERG FOUNDATION FOR PANCREATIC CANCER RESEARCH SCIENTIFIC ADVISORY BOARD (2003 – 2016)

HIRSHBERG FOUNDATION FOR PANCREATIC CANCER RESEARCH SEED GRANTS PANEL (REVIEWER, 2003 – 2015)

WEITZMAN RESEARCH AWARD SELECTION COMMITTEE – HARBOR-UCLA RESEARCH AND EDUCATION INSTITUTE FACULTY SOCIETY (2003-20015)

MEMBER - PRESIDENTIAL SUBCOMMITTEE - HUNGARIAN SCIENCE ABROAD - HUNGARIAN ACADEMY OF SCIENCES – SECTION OF MEDICAL SCIENCES (V.) - (2014-2017)

UCLA PEDIATRICS EXECUTIVE DEPARTMENT CHAIR FIVE-YEAR ADMINISTRATIVE REVIEW COMMITTEE – REVIEWER (2015)

ASSOCIATION OF AMERICAN MEDICAL COLLEGES' (AAMC) FACULTY FORWARD ENGAGEMENT PANEL – SELECTED FACULTY SURVEYOR (2016)

AMERICAN COLLEGE FOR ADVANCEMENT IN MEDICINE (ACAM) – EDUCATION COMMITTEE – MEMBER (2016-2019)

<sup>13</sup>CIGNATURE <sup>2</sup>HEALTH METABOLIC CLINIC – SANTA MONICA, CA - CHIEF SCIENTIFIC ADVISOR (2016-2019)



## Peer Reviewed Publications

1. Pap, A., **Boros, L.G.** Alcohol-induced chronic pancreatitis in rats after temporary occlusion of the biliopancreatic ducts with Ethibloc. *Pancreas* 4: 249-255, 1989.
2. Pap, A., **Boros, L.G.**, Hajnal, F. Essential role of cholecystokinin in pancreatic regeneration after 60% distal resection in rats. *Pancreas* 6: 412-418, 1991.
3. **Boros, L.G.**, Lepow, C., Ruland, F., Flancbaum, L.J., Townsend, M.C. CD-ROM source data uploaded to the operating and storage devices of an IBM 3090 mainframe through a PC terminal. *Computer Methods & Programs Biomedicine* 38: 77-89, 1992.
4. **Boros, L.G.**, Damico, J., Flancbaum, L.J., Townsend, M.C., Beckley, P.D., Jones, S.D. An automated computer method utilizing Procomm Plus and DataEase (4.2) PC - and SAS (6.06) mainframe software for isolated, perfused guinea pig heart studies. *Computer Methods & Programs Biomedicine* 39: 271-284, 1993.
5. Oberyszyn, T.M., Sabourin, C.L., Bijur, G.N., Oberyszyn, A.S., **Boros, L.G.**, Robertson, F.M. Interleukin-1 $\beta$  gene expression and localization of interleukin-1 $\beta$  protein during tumor promotion. *Molecular Carcinogenesis* 7: 238-248, 1993.
6. Robertson, F.M., Bijur, G.N., Oberyszyn, A.S., Pellegrini, A., **Boros, L.G.**, Sabourin, C.L., Oberyszyn, T.M. Granulocyte-macrophage colony stimulating factor gene expression and function during tumor promotion. *Carcinogenesis* 15: 1017-1029, 1994.
7. Choban, P.S., McKnight, T., Flancbaum, L.J., Sabourin, C.L., Bijur, G.N., **Boros, L.G.**, Marley, J., Burge, J.C., Robertson, F.M. Characterization of a murine model of acute lung injury (ALI): a prominent role for interleukin-1. *Journal of Investigative Surgery* 9: 95-109, 1994.
8. Robertson, F.M., Pellegrini, A.E., Ross, M.S., Oberyszyn, A.S., **Boros, L.G.**, Bijur, G.N., Sabourin, C.L., Oberyszyn, T.M. Interleukin-1 $\beta$  gene expression during wound healing. *Wound Repair & Regeneration* 3: 473-84, 1995.
9. Fisher, W.E., **Boros, L.G.**, O'Dorisio, T., O'Dorisio, S., Schirmer, W.J. The influence of diabetes on the growth of pancreatic cancer. *Surgical Forum* 45: 151-152, 1994.
10. Fisher, W.E., **Boros, L.G.**, Tamaddon, K.A., O'Dorisio, S.M., O'Dorisio, T.M., Schirmer, W.J. Somatostatin-receptor status of pancreatic adenocarcinoma predicts response to somatostatin therapy in vitro and in vivo. *Surgical Forum* 16: 138-140, 1995.
11. Fisher, W.E., **Boros, L.G.**, Schirmer, W.J. Reversal of enhanced pancreatic cancer growth in diabetes by insulin. *Surgery* 118: 453-457, 1995.
12. Fisher, W.E., **Boros, L.G.**, Tamaddon, K.A., O'Dorisio, T.M., O'Dorisio, S.M., Schirmer, W.J. GI hormonal changes in diabetes influence pancreatic cancer growth. *Journal of Surgical Research* 58: 754-758, 1995.
13. Fisher, W.E., **Boros, L.G.**, Schirmer, W.J. Insulin promotes pancreatic cancer: evidence for endocrine influence on exocrine pancreatic tumors. *Journal of Surgical Research* 63: 310-313, 1996.
14. Fisher, W.E., Muscarella, P., **Boros, L.G.**, Schirmer, W.J. Variable effect of streptozotocin-diabetes on the growth of hamster pancreatic cancer (H2T) in the Syrian hamster and nude mouse. *Surgery* 123: 315-320, 1998.



15. Melvin, W.S., **Boros, L.G.**, Muscarella, P., Brandes, J.L., Johnson, J.A., Fisher, W.E., Schirmer, W.J., Ellison, E.C. Dehydroepiandrosterone-sulfate inhibits pancreatic cancer cell proliferation *in vitro* and *in vivo*. *Surgery* 121: 392-397, 1996.
16. **Boros, L.G.**, Puigjaner, J., Cascante, M., Lee, P., Brandes, J.L., Bassilian, S., Yusuf, F.I., Williams, R.D., Muscarella, P., Melvin, W.S., Schirmer, W.J. Oxythiamine and dehydroepiandrosterone inhibit the nonoxidative synthesis of ribose and cancer cell proliferation. *Cancer Research* 57: 4242-4248, 1997.
17. Fisher, W.E., Doran, T.A., Muscarella, P., **Boros, L.G.**, Ellison, E.C., Schirmer, W.J. Somatostatin receptor subtype 1-5 gene expression in human pancreatic cancer. *Journal of the National Cancer Institute* 90: 322-324, 1998.
18. **Boros, L.G.**, Lee, P., Brandes, J.L., Cascante, M., Muscarella, P., Schirmer, W.J., Melvin, W.S. Nonoxidative pentose phosphate pathways and their direct role in ribose synthesis in tumors: is cancer a disease of cellular glucose metabolism? *Medical Hypotheses* 50: 55-59, 1998.
19. **Boros, L.G.**, Brandes, J.L., Yusuf, F.I., Cascante, M., Williams, R.D., Schirmer, W.J. Inhibition of the oxidative and nonoxidative pentose phosphate pathways by somatostatin. A possible mechanism of antitumor action. *Medical Hypotheses* 50: 501-506, 1998.
20. **Boros, L.G.**, Brandes, J.L., Lee, P., Cascante, M., Puigjaner, J., Revesz, E., Bray, T.M., Schirmer, W.J., Melvin, W.S. Thiamin supplementation to cancer patients: A double edged sword. *Anticancer Research* 18: 595-602, 1998.
21. **Boros, L.G.**, Williams, R.D. Chronic isofenphos poisoning: case report of agnogenic myeloid metaplasia with a rapid progression into acute myeloid leukemia. *Leukemia Research* 22: 849-851, 1998.
22. Lee P., **Boros, L.G.**, Puigjaner, J., Bassilian, S., Lim, S., Cascante, M. Mass isotopomer study of the nonoxidative pathways of the pentose cycle with [1,2-<sup>13</sup>C<sub>2</sub>]glucose. *American Journal of Physiology [Endocrinology & Metabolism]* 274: E843-E851, 1998.
23. Muscarella, P., **Boros, L.G.**, Fisher, W.E., Rink, C., Melvin, W.S. Oral dehydroepiandrosterone inhibits the growth of human pancreatic cancer in nude mice. *Journal of Surgical Research* 79: 154-157, 1998.
24. Fisher, W.E., Muscarella, P., **Boros, L.G.**, Schirmer, W.J. Gastrointestinal hormones as potential adjuvant treatment of exocrine pancreatic adenocarcinoma. *International Journal of Pancreatology* 24: 169-80, 1998.
25. Rais, B., Comin, B., Puigjaner, J., Brandes, J.L., Creppy, E., Saboureau, D., Ennamany, R., Lee, W-N.P., **Boros, L.G.**, Cascante, M. Oxythiamine and dehydroepiandrosterone induce a G1 phase cycle arrest in Ehrlich's tumor cells through inhibition of the pentose cycle. *FEBS Letters* 456: 113-19, 1999.
26. Cascante, M., Centelles, J.J., Veech, R.L., Lee, W-N.P., **Boros, L.G.**, The role of thiamine (vitamin-B<sub>1</sub>) and transketolase in tumor cell proliferation. *Nutrition & Cancer* 36: 150-154, 2000.
27. **Boros, L.G.**, Torday, J.S., Lim, S., Bassilian, S., Cascante, M., Lee, W-N.P. TGF- $\beta_1$  promotes glucose carbon incorporation into nucleic acid ribose through the non-oxidative pentose cycle in lung epithelial carcinoma cells. *Cancer Research* 60: 1183-1195, 2000.
28. **Boros, L.G.**, Lim, S., Bassilian, S., Lee, W-N.P. Genistein inhibits non-oxidative ribose synthesis in MIA pancreatic adenocarcinoma cells: a new mechanism of controlling tumor growth. *Pancreas* 22: 1-7, 2000.
29. Lee, W-N.P., Bassilian, S., Lim, S., **Boros, L.G.** Loss of regulation of lipogenesis in the Zucker diabetic (ZDF) rat. *American Journal of Physiology [Endocrinology & Metabolism]* 279: E425-E432, 2000.



30. **Boros, L.G.** Population thiamine status and varying cancer rates between Western, Asian and African countries. *Anticancer Research* 20: 2245-8, 2000.
31. **Boros, L.G.**, Lapis, K., Szende, B., Tomoskozi-Farkas, R., Balogh, A., Boren, J., Marin, S., Cascante, M., Hidvegi, M. Wheat germ extract decreases glucose uptake and RNA ribose formation but increases fatty acid synthesis in MIA pancreatic adenocarcinoma cells. *Pancreas* 23: 141-147, 2001.
32. **Boros, L.G.**, Williams, R.D. Isofenphos induced metabolic changes in K562 myeloid blast cells. *Leukemia Research* 25: 883-890, 2001.
33. Comín-Anduix, B., Boren, J., Martinez, S., Moro, C., Centelles, J.J., Trebukhina, R., Petushok, N., Lee, W-N.P., **Boros, L.G.**, Cascante, M. The effect of thiamine supplementation on tumor proliferation: A metabolic control analysis study. *European Journal of Biochemistry* 268: 4177-82, 2001.
34. Boren, J., Cascante, M., Marin, S., Comín-Anduix, B., Centelles, J.J., Lim, S., Bassilian, S., Ahmed, S., Lee W-N.P., **Boros, L.G.** Gleevec (STI571) influences metabolic enzyme activities and glucose carbon flow towards nucleic acid and fatty acid synthesis in myeloid tumor cells. *Journal of Biological Chemistry* 276: 37747-37753, 2001.
35. **Boros, L.G.**, Lee, W-N.P., Go, V.L.W. A metabolic hypothesis of cell growth and death in pancreatic cancer. *Pancreas* 24: 26-33, 2002.
36. Bassilian, S., Ahmed, S., Lim, S.K., **Boros, L.G.**, Mao, C.S., Lee, W-N.P. Loss of regulation of lipogenesis in the Zucker diabetic rat. II. Changes in stearate and oleate synthesis. *American Journal of Physiology Endocrinology & Metabolism* 282: E507-13, 2002.
37. **Boros, L.G.**, Cascante, M., Lee, W-N.P. Metabolic Profiling of Cell Growth and Death in Cancer: applications in drug discovery. *Drug Discovery Today* 7: 364-372, 2002.
38. Cascante, M., **Boros, L.G.**, Comin, B., Atauri, P., Centelles, J.J., Lee, W-N.P. Metabolic control analysis in drug discovery and disease. *Nature Biotechnology* 20: 243-249, 2002.
39. **Boros, L.G.**, Lee, W-N.P., Cascante, M. Imatinib and chronic-phase leukemias. *New England Journal of Medicine* 347: 67-68, 2002.
40. **Boros, L.G.**, Torday, J.S., Lee W-N.P., Rehan, V.H. Oxygen-induced metabolic changes and transdifferentiation in immature fetal rat lung fibroblasts. *Molecular Genetics & Metabolism* 77: 230-236, 2002.
41. Comín-Anduix, B., **Boros, L.G.**, Marin, S., Boren, J.A., Callol-Massot, C., Centelles, J.J., Torres, L., Agell, N., Bassilian, S., Cascante, M.S. Fermented wheat germ extract inhibits enzymes of glucose metabolism and induces apoptosis through the activation of poly(ADP-ribose) polymerase in Jurkat T-cell leukemia tumor cultures. *Journal of Biological Chemistry* 277: 46408-464014, 2002.
42. Bulotta, A., Hui, H., Anastasi, E., Bertolotto, C., **Boros, L.G.**, Di Mario, U., Perfetti, R. Cultured pancreatic ductal cells undergo cell cycle re-distribution and beta-cell-like differentiation in response to glucagon-like peptide-1. *Journal of Molecular Endocrinology* 29: 347-60, 2002.
43. Guo, T.B., **Boros, L.G.**, Chan, K.C., Hikim, A.P., Hudson, A.P., Swerdloff, R.S., Mitchell, A.P., Salameh, W.A. Spermatogenic expression of RNA-binding motif protein 7, a protein that interacts with splicing factors. *Journal of Andrology* 24: 204-214, 2003.
44. Bulotta, A., Perfetti, R., Hui, H., **Boros, L. G.** Glucagon-like peptide-1 stimulates glucose derived *de novo* fatty acid synthesis and chain elongation during cell differentiation. *Journal of Lipid Research* 44: 1559-1564, 2003.



45. Boren, J., Lee, W.N., Bassilian, S., Centelles, J.J., Lim, S., Ahmed, S., **Boros, L.G.**, Cascante, M. The stable isotope-based dynamic metabolic profile of butyrate induced HT29 cell differentiation. *Journal of Biological Chemistry* 278: 28395-28402, 2003.
46. **Boros, L.G.**, Steinkamp, M.P., Fleming, J.C., Lee, W-N.P., Cascante, M., Neufeld, E.J. Defective RNA ribose synthesis in fibroblasts from patients with thiamine-responsive megaloblastic anemia (TRMA): mechanism for the syndrome. *Blood* 102: 3556-3562, 2003.
47. **Boros, L.G.**, Brackett, D.J., Harrigan, G.G. Metabolic biomarker and kinase drug target discovery in cancer using stable isotope-based dynamic metabolic profiling (SIDMAP). *Current Cancer Drug Targets* 3: 445-453, 2003.
48. Marin, S., Chiang, K, Bassilian, S., Lee, W-N.P., **Boros, L.G.**, Fernández-Novell, J.M., Centelles, J.J., Medrano, A., Rodriguez-Gil, J.E., Cascante, M. Metabolic strategy of boar spermatozoa revealed by a metabolomic characterization. *FEBS Letters* 554: 342-346, 2003.
49. Marin, S., Lee, W.N., Bassilian, S., Lim, S., **Boros, L.G.**, Centelles, J.J., Fernandez-Novell, J.M., Guinovart, J.J., Cascante, M. Dynamic profiling of the glucose metabolic network in fasted rat hepatocytes using [1,2-<sup>13</sup>C<sub>2</sub>]-glucose. *Biochemical Journal* 381: 287-294, 2004.
50. Williams, R.D., **Boros, L.G.**, Kolanko, C.J., Jackman, S.M., Eggers, T.R. Chromosomal aberrations in human lymphocytes exposed to the anticholinesterase pesticide isofenphos with mechanisms of leukemogenesis. *Leukemia Research* 28: 947-958, 2004.
51. Lee, W.N., Guo, P., Lim, S., Bassilian, S., Lee, S.T., Boren, J., Cascante, M., Go, V.L., **Boros, L.G.** Metabolic sensitivity of pancreatic tumour cell apoptosis to glycogen phosphorylase inhibitor treatment. *British Journal of Cancer* 91: 2094-2100, 2004.
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## Abstracts

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16. **Boros, L.G.**, Torday, J.S., Lim, S., Bassilian, S., Cascante, M., and Lee, W.N.P. TGF- $\beta$  increases nucleic acid ribose synthesis through the non-oxidative pentose cycle in lung carcinoma cells. Presented at the American Association for Cancer Research, San Francisco, CA, USA, April, 2000.
17. Lee, W-N.P., Bassilian, S., Lim, S., **Boros, L.G.** 2-Deoxyglucose inhibits both the oxidative and non-oxidative branches of the pentose cycle. Presented at the Federation of American Societies for Experimental Biology, San Diego, CA, USA, April, 2000.
18. Steinkamp, M.P., Fleming, J.C., **Boros, L.G.**, Neufeld, E.J. Thiamine depletion in thiamine-responsive megaloblastic anemia (TRMA) mutant fibroblasts leads to a reduction in non-oxidative ribose synthesis. Presented at the American Society for Biochemistry and Molecular Biology and The American Society for Pharmacology and Experimental Therapeutics (ASBMB/ASPE), 2000.
19. Comin, B., Boren, J., Moro, S., Martinez, S., Lee, W-N.P., **Boros, L.G.**, Centelles, J.J., Cascante, M. New antitumoral drugs based on ribose-phosphate synthesis tested by metabolic control analysis. Presented at the 18th International Congress of Biochemistry and Molecular Biology, Birmingham, UK, July, 2000.



20. Boren, J., Comin, B., Centelles, J.J., Moro, S., Martinez, S., Lee, W-N.P., **Boros, L.G.**, Cascante, M. Modeling metabolic networks for the search of new targets in cancer therapy. Presented at the Biochemical Systems Theory (SYMBIOSYS), Puerto de la Cruz, Tenerife, Canary Islands, Spain, September, 2000.
21. **Boros, L.G.**, Lee, W-N.P., Hidvegi, M., Go, V.L.W. Metabolic effects of fermented wheat germ extract with anti-tumor properties in cultured MIA pancreatic adenocarcinoma cells. Presented at the Combined Meeting of the International Association of Pancreatology and the American Pancreatic Association, Chicago, Illinois, USA, November, 2000.
22. **Boros, L.G.**, Lee, W-N.P., Go, V.L.W. Metabolic targets of tumor growth inhibitory signals in MIA pancreatic adenocarcinoma cells: a metabolic hypothesis of cellular signaling pathways. Presented at the Combined Meeting of the International Association of Pancreatology and the American Pancreatic Association, Chicago, Illinois, November, 2000.
23. Lee, W-N.P., Mao, C.S, Bassilian, S., **Boros, L.G.** Plasma fatty acid production and the role of de novo lipogenesis in energy transport. Presented at the American Federation for Medical Research Western Regional Meeting Metabolism III Session, Carmel, CA, February, 2001.
24. **Boros, L.G.**, Lee, W-N.P., Williams, R.D. Isofenphos organophosphate pesticide induces metabolic changes of the invasive phenotype in K562 myeloid blast cells. Presented at the American Federation for Medical Research Western Regional Meeting Metabolism III Session, Carmel, CA, February, 2001.
25. **Boros, L.G.**, Boren, A.J., Marin, S., Cascante, M., Lim, S., Bassilian, S., Ahmed, S., Lee, W-N.P. STI571 decreases glucose derived nucleic acid synthesis but increases direct glucose oxidation in K562 myeloid blast cells. Presented at the American Association for Cancer Research, New Orleans, LA, USA, March, 2001.
26. Lee, W-N.P., Lim, S., Bassilian, S., Ahmed S., Mao, C.S., **Boros, L.G.** Glucose metabolic changes in HepG2 cells induced by the phosphorylase inhibitor CP-329,626. Presented at the Federation of American Societies for Experimental Biology, Orlando, Florida, USA, March 31-April 4, 2001.
27. Lee, W-N.P., Martinez, S., Lim, S., Bassilian, S., Ahmed, S., Boren, J., Mao, C., **Boros, L.G.**, Cascante, M. Diverse metabolic changes of glucosamine induced insulin resistance in HepG2 cells. Presented at the International Conference of Pediatric Endocrinology Montreal 2001, Montreal, Canada, Sept, 2001.
28. Rehan, V., Feng, S., Rehan, Y.H., Lee, W-N.P., Torday, J.S., **Boros, L.G.** Evidence for metabolic phenotype changes during trans-differentiation of pulmonary lipofibroblasts to myofibroblasts in response to hyperoxia. Presented at the Pediatric Academic Societies Annual Meeting, Baltimore, MD, April-May, 2001.
29. Lee, W-N.P., Martinez, S., Lim, S., Bassilian, S., Ahmed, S., Boren, J., Mao, C., **Boros, L.G.**, Cascante, M. Diverse Metabolic Changes of Glucosamine Induced Insulin Resistance in HEPG2 Cells. Presented at the Lawson Wilkins Pediatric Endocrine Society and the European Society for Pediatric Endocrinology (LWPES/ESPE) 6th Joint Meeting, Montreal, Canada, July, 2001.
30. **Boros, L.G.**, Syed, A.S., Bassilian S., Lim, S., Lee, W-N.P. Lack of proliferative and metabolic response in MIA pancreatic adenocarcinoma cell cultures to STI571 (Gleevec). Presented at the American Pancreatic Association, Chicago, Illinois, November, 2001.
31. Bulotta, A., Perfetti, R., Hui, H., **Boros, L.G.** Differentiation of cultured ARIP carcinoma cells is mediated via glucose intermediary metabolic changes in response to Glucagon-like peptide 1 (GLP-1) treatment. Presented at the American Pancreatic Association, Chicago, Illinois, November, 2001.



32. **Boros, L.G.**, Go, V.L., Lee, W-N.P. Metabolic Profiling of Cell Growth and Death in Cancer. Presented at the Cambridge Healthtech Institute's Premier Conference on Metabolic Profiling: Pathways to Discovery (keynote address), Sheraton Chapel Hill Hotel, Chapel Hill, North Carolina, December 4, 2001.
33. **Boros, L.G.**, Bassilian S., Lim, S., Lee, W-N.P. STI571 (Gleevec) inhibits de novo palmitate but does not affect nucleic acid synthesis in MIA pancreatic adenocarcinoma cells. Presented at the American Federation for Medical Research Western Regional Meeting Metabolism III Session, Carmel, CA, February, 2001.
34. Tucker, C., **Boros, L.G.**, Patel, S.M., Santos, J., Reddy, S.G., Lee, W-N.P., Torday, J.S., Rehan, V.K.. Dihydroxycholecalciferol (Vitamin D<sub>3</sub>) affects lipid metabolism differentially in pulmonary alveolar type II cells and fibroblasts. Presented to the Pediatric Academic Societies' Annual Meeting, Baltimore, MD, May, 2002.
35. Cascante, M., Comin, B., Raïs, B., Centelles, J.J., Puigjaner, J., Lee, W-N.P., **Boros, L.G.** Metabolic control theory and stable isotope based metabolic profiling. Presented at the EMBIO Meeting, Barcelona, Spain, June, 2002.
36. Cascante, M., Comin, B., Atauri, P., Ramos, A., Vizan, P., **Boros, L.G.**, Centelles, J.J., Mazurek, S., Eigenbrodt, E., Frederiks, W.M., Lee, W-N.P., Boren, J. Modeling metabolic networks in drug discovery and disease. Presented at the European Science Foundation (ESF) Meeting, Granada, June, 2002.
37. **Boros, L.G.**, Go, V.L.W., Lee, W-N.P. Stable isotope-based metabolic profiling in pancreatic cancer: applications in biomarker discovery and gene function analysis. Presented at the American Pancreatic Association, Chicago, Illinois, November, 2002.
38. **Boros, L.G.**, Deng, Q., Pandol, S.J., Tsukamoto, H., Go, V.L.W., Lee, W-N.P. Ethanol induced tissue specific lipotoxicity in the liver and pancreas. Presented at the American Pancreatic Association, Chicago, Illinois, November, 2002.
39. **Boros, L.G.**, Harrigan, G.G. Stable isotope-based metabolic profiling: applications in biomarker discovery & gene function testing. Presented at the Cambridge Healthtech Institute's Second Conference on Metabolic Profiling, Sheraton Chapel Hill Hotel, Chapel Hill, North Carolina, December 4, 2002.
40. Tucker, C., **Boros, L.G.**, Santos, J., Bassilian, S., Torday, J.S., Lee, W-N. P., Rehan, V. Differential proliferative and metabolic effects of vitamin D3 on near-term fetal rat lung fibroblasts and type II cells. Presented at the American Federation for Medical Research Western Regional Meeting Neonatology Session, Carmel, CA, February, 2003.
41. Ramos-Montoya, A. **Boros, L.G.**, Bassilian, S., Lim, S., Lee, W-N.P., Cascante, M. Pentose and purine synthetic pathway inhibitors do not have synergistic effect on colon carcinoma cell growth. Presented at the American Federation for Medical Research Western Regional Meeting Metabolism III Session, Carmel, CA, February, 2003.
42. Bulotta, A., Perfetti, R., Hui, H., **Boros, L.G.** Glucagon-like peptide-1 regulates insulin release via glucose derived de novo fatty acid synthesis and chain elongation in pancreatic carcinoma cells. Presented at the American Diabetes Association Meeting Metabolism III Session, Chicago, IL, March, 2003.
43. Tucker, C., **Boros, L.G.**, Santos, J., Torday, J.S., Rehan, V. Differential proliferative and metabolic effects of vitamin-D3 on near-term fetal rat lung fibroblasts and type II cells. Presented at the Pediatric Academic Societies' Annual Meeting in Seattle, Cardiopulmonary Development Session, Washington, May 3-6, 2003.
44. Lee, W-N.P., **Boros, L.G.**, Mao, C.S. Tracer approaches to determining glyconeogenesis. Presented at the American Society for Parenteral and Enteral Nutrition Meeting, Nutrition Week, San Antonio, TX, January, 2003.
45. **Boros, L.G.** Metabolic profiling using stable isotope tracer technology GC/MS. Presented at the 20th Annual Conference on Metabolic Profiling: Biomarker Discovery, Drug Efficacy and Fundamental Biochemistry, Asilomar, CA, October 15-18, 2004.



46. **Boros, L.G.**, Lerner, M., Morgan, D., Taylor, S., Postier, R., Brackett, D. Different positional accumulation of [1,2-<sup>13</sup>C<sub>2</sub>]glucose into RNA ribose of DMBA-induced pancreatic tumors, pancreas and liver. Presented at the American Pancreatic Association, Chicago, Illinois, November 4-5, 2004.
47. Guo, P., Bassilian, S., Lim, S., Lee, W.-N.P., **Boros, L.G.** Doxorubicin induces Mia PaCa-2 cell apoptosis by increasing GSK-3 $\beta$  expression,  $\beta$ -catenin degradation and by limiting DNA/RNA ribose synthesis in the pentose cycle. Presented at the American Pancreatic Association, Chicago, Illinois, November 4-5, 2004.
48. Miljus, J., Melo, J.V., **Boros, L.G.**, Anderson, N., Talpaz, M., Leibfritz, D., Eckhardt, S.G., Serkova, N. Metabolic profile of imatinib resistance in chronic myeloid leukemia cells. Presented at the 46<sup>th</sup> American Society of Hematology Meeting in San Diego, CA, December 4-7, 2004.
49. **Boros, L.G.** CASE STUDY: Single metabolic mechanism of Gleevec resistance regardless of the genetic makeup of leukemia cells. Presented at the 5<sup>th</sup> Annual Metabolic Profiling: Pathways in Discovery Meeting, Lake Buena Vista, FL, December 13-14, 2004.
50. **Boros, L.G.**, Lee, W-N.P. Predicting clinical resistance to Gleevec treatment by in vitro applied stable isotope-based dynamic metabolic profiling (SIDMAP). Presented at the 2005 FDA Science Forum, Washington, DC, April 27-28, 2005.
51. Sahai, I., M. Montefusco, C.M., Fleming, J.C., **Boros, L.G.**, Tartaglini, E., Chick, G., Neufeld, E.J. Role of Defective High-Affinity Thiamine Transporter slc19a2 in Marrow from a Mouse Model of Thiamine-Responsive Anemia Syndrome: Evidence for Defective Deoxyribose and Heme Synthesis. Presented at the 47<sup>th</sup> American Society of Hematology, San Diego, CA, December 3-6, 2005. [link](#)
52. Sugano, S., **Boros, L.G.**, Wang, Y., Santos, J., Lee, W-P., Torday, J.S., Rehan, V.K. Maternal nicotine exposure: lung alveolar type II cell proliferation, differentiation and metabolic profile. Presented at the Western Society for Pediatric Research (WSPR), Carmel, CA, February 3, 2006. (WINNER OF THE WSPR LOWELL GLASGOW STUDENT RESEARCH AWARD).
53. Erkkila, K., Liu, P.Y., Lee, P.W-N., **Boros, L.G.**, Ferrini, M., Sinha Hikim, A.P., Wang, C., Lue, Y.H., Swerdloff, R.S.. XXY mice exhibit altered palmitate and stearate metabolism in the brain. Presented at the Annual Meeting of the Endocrine Society (ENDO), Boston, MA, June 24-27, 2006.
54. **Boros, L.G.**, Kochegarov, A., Szigeti, I., Lee, S.T., Jancso, G., Jákli, G., Somlyai, G. Deuterium depleted water alters glucose-derived fatty acid and cholesterol synthesis of tumor cells. Presented at the Annual International Meeting of the Metabolomics Society, Boston, MA, June 25-29, 2006.
55. Beger, R.D., Hansen, D.K., Schnackenberg, L.K., Fatollahi, J.J., **Boros, L.G.** Decreased glycogen and RNA ribose synthesis and turnover from [U-<sup>13</sup>C<sub>6</sub>]-D-glucose is an early metabolic marker of valproic acid toxicity on the liver in mice. 3<sup>rd</sup> Annual Meeting of the Metabolomics Society, Manchester, UK, June 11-14, 2007.
56. **Boros, L.G.**, Szigeti, I. Szabo, G. Sarnyai, Z. Delayed uptake of [U-<sup>13</sup>C<sub>6</sub>]-D-glucose and abnormal <sup>13</sup>C isotopomer production after acute and chronic antipsychotic treatment in mice. Presented at the Annual International Meeting of the Metabolomics Society, Manchester, UK, June 11-14, 2007.
57. Vizan, P., **Boros, L.G.**, Peiris, M., Figueras, A., Capella, G., Mangués, R., Lee, W-N.P., Selivanov., Cascante, M. K-ras codon-specific mutations produce distinctive metabolic phenotypes in mice fibroblasts. Presented at the Annual International Meeting of the Metabolomics Society, Manchester, UK, June 11-14, 2007.



58. Harris, D.M., Li, L., Fatollahi, J.J., Lagunero, F.T., Cross, B.M., Go, V.L.W., **Boros, L.G.** Luteolin inhibits proliferation and de novo fatty acid synthesis in pancreatic cancer cells. Presented at the American Association for Cancer Research, San Diego, CA, USA, April, 2008.
59. Sonko, B.J., Guo, L., Schmitt, T., Leakey, J., **Boros, L.G.**, Beger, R. In Vitro Usnic Acid Concentration/Time Dependency Toxicity Evaluation. Models and Mechanisms of Hepatotoxicity, Society of Toxicology, Salt Lake City, Utah, USA, March 7-11, 2009.
60. Sonko, B.J., Schmitt, T.M., **Boros, L.G.**, Sakar, S., Syed, A., Beger, R. Effect of Chronic MPTP Administration on Glycolysis and TCA cycle Pathways in Mouse Model of Parkinson's Disease. Twenty-sixth International Neurotoxicological Conference, Portland, Oregon, USA, June 5-10, 2010.
61. Varma, V., Nolen, G.T., **Boros L.G.**, Kaput, J. Fructose Metabolism and Its Influence on Glucose Metabolism in Human Adipocytes. 70th - Integrated Physiology Session, American Diabetes Association, Orlando, Florida, June 25-29, 2010.
62. Bolin, D., Ahmad, M., Banner, B., **Boros, L.G.**, Cai, J., Gillespie, P., Goodnow, P., Gubler, M.L., Hamilton, M.M., Hayden, S., Huang, K.S., Liu, X., Lou J.P., Mark D., McDermott L., Perrotta A., Qian Y., Ren Y., Rondinone C., Rowan K., Spence C., Tilley J., Sergi J., Thakkar K., Yi L., Yun W., Xiang Q., Zhang X., Conde-Knape C., Olivier A.R. A Novel Approach for the Treatment of Type 2 Diabetes (T2D): Characterization of a Potent, Orally Active, Small Molecule Glycogen Synthase Activator. 70<sup>th</sup> Scientific Sessions – Insulin Action and Metabolism, American Diabetes Association, Orlando, Florida, June 25-29, 2010.
63. Varma, V., Nolen, G.T., **Boros, L.G.**, Kaput, J. Fructose Alters Glucose Metabolism of Human Adipocytes. 1st Annual Foods Program Science and Research Conference, Food and Drug Administration, White Oak Campus, Silver Spring, Maryland, June 21-22, 2011.
64. Varma, V., Nolen, G.T., **Boros, L.G.**, Kaput, J. Fructose is a Potent Lipogenic Macronutrient in Human Adipocytes. Joint meeting on Diabetes and Obesity – ‘Pathogenesis of Diabetes: Emerging Insights into Molecular Mechanisms’ (J8) AND ‘Genetic & Molecular Basis of Obesity and Body Weight Regulation’ (J7) at Santa Fe, NM, January 29-February 3, 2012.
65. Cantoria, M.J., **Boros, L.G.**, Meuillet, M.J.. Metformin Inhibits the TCA Cycle and Fatty Acid Synthesis in MIAPaCa-2 Pancreatic Cancer Cells. International Association of Pancreatology and the American Pancreatic Association Joint Meeting, Miami, FL, October 31, November 02, 2012 (PII-60)
66. Yang, Y., Lane, A., Ricketts, C., Wei, M.H., Pike, L., Wu, M., Rouault, T.A., **Boros, L.G.**, Fan, T., Linehan, M. (C063) Metabolic reprogramming for producing energy and reducing power in fumarate hydratase null cells from hereditary leiomyomatosis renal cell carcinoma (HLRCC). Presented at the 9<sup>th</sup> American Associations for Cancer Research and Japanese Cancer Association Joint Conference: Breakthroughs in Basic and Translational Cancer Research, Preclinical Models, Maui, Hawaii, February 21-25, 2013.
67. **Boros, L.G.**, Serkova, N.J., Laderoute, K.R., Linehan, W.M., Meuillet, M.J.. Stable <sup>13</sup>C Isotope Enriched Metabolome (Isotopolome) Wide Associations (IWAS) Improve System Wide Association Studies (SWAS) for Phenotype and Drug Research. World Biotechnology Congress, Medical Biotechnology, Boston, MA, June 3-6, 2013.
68. **Boros, L.G.**, Lee, W-N.P. Cross-labeled <sup>13</sup>C-stearate fate detection in the [1,2-<sup>13</sup>C<sub>2</sub>]-d-glucose derived isotopolome improves system wide associations when compared with external; [U-<sup>13</sup>C<sub>18</sub>]-stearate incubation in rosiglitazone treated HEPG<sub>2</sub> Cells. 9th Annual Conference of the Metabolomics Society, SECC, Glasgow, Scotland, July 1-4, 2013.



69. Cantoria, M.J., **Boros, L.G.**, Patel, H., Han, H., Ignatenko, N., Meuillet, M.J. Metformin-induced metabolic changes are k-ras-dependent in animal models of pancreatic cancer. Presented at the American Association for Cancer Research, San Diego, CA, April 8, 2014.
70. **Boros, L.G.**, Meuillet, M.J., Somlyai, I., Jancsó, G., Jákli, G., Krempels, K., Puskás, L.G., Nagy, I.L., Molnár, M., Laderoute, K.L., Thompson, P.A., Somlyai, G. Fumarate hydratase and deuterium depletion control oncogenesis via NADPH-dependent reductive synthesis: mitochondrial matrix water, DNA deuteration and epigenetic events. Presented at the American Association for Cancer Research, San Diego, CA, April 8, 2014.
71. Weston, R., Rodier, J., Coffey, S., Glickenhau, A., **Boros, L.G.**, MacDonald, M.E., Carroll, J.B. Investigating Hepatic Dysfunction In The Httq111/+ Mouse With A Perturbagen-based Primary Hepatocyte System. *J Neurol Neurosurg Psychiatry* 85: A19-A20, 2014. doi:10.1136/jnnp-2014-309032.58
72. **Boros, L.G.** Targeted <sup>13</sup>C Tracer Fate Association Studies for Clinical Isobolomics. Presented at SciX 2014, the Federation of Analytical Chemistry and Spectroscopy Societies (FACSS), Reno, Lake Tahoe, NV, USA, September 30, 2014.
73. Vijayalakshmi, V., **Boros, L.G.**, Nolen, G.T., Beger, R.D., Kaput, J. Fructose diverts glucose to glycerol and serine oxidation in the one-carbon cycle energy producing pathway of human adipocytes. Diabetes and Metabolic Dysfunction, Mitochondria, Metabolism and Heart Failure, Keystone Symposium at the Santa Fe Community Convention Center, Santa Fe, NM, USA, January 27 – February 1, 2015.
74. **Boros, L.G.** Biochemical interpretations of <sup>2</sup>H/<sup>1</sup>H ratio contrast magnetic resonance spectroscopy: tissue phenotyping by mitochondrial matrix (metabolic <sup>1</sup>H<sup>2</sup>O) and cytoplasmic (<sup>2</sup>H<sup>1</sup>HO) water ratios in cells. 3<sup>rd</sup> International Congress on Deuterium Depletion, Budapest, Hungary, EU, May 07, 2015 – 13<sup>th</sup> Presentation (23 minutes) LASZLO G. BOROS - <http://www.deuteriumdepletion.com/2015program.php>
75. **Boros, L.G.**, Katz, H.E., Roth, J.P., Somlyai, G. Gluconeogenesis and the pentose cycle impact deuterium depleted water efficacy in anticancer therapeutics. 3<sup>rd</sup> International Congress on Deuterium Depletion, Budapest, Hungary, EU, May 08, 2015 – 4<sup>th</sup> Presentation (52 minutes) LASZLO G. BOROS - <http://www.deuteriumdepletion.com/2015program.php>
76. Blanco, F.F., Zarei, M., Brody, J.R., **Boros, L.G.**, Winter, J.M. The RNA binding protein, HuR, regulates pancreatic cancer cell metabolism. In: Proceedings of the 106th Annual Meeting of the American Association for Cancer Research; 2015 Apr 18-22; Philadelphia, PA. Philadelphia (PA): AACR; Cancer Res 2015;75(15 Suppl):Abstract nr 1191. doi:10.1158/1538-7445.AM2015-1191 - <http://goo.gl/L0UszO>
77. **Boros, L.G.**, Somlyai, G. Deuterium and Hydrogen Ratios Determine Proton Spin-Lattice T1-Weighted Magnetic Resonance Images: Clinical Applications in Cancer. European Society for Isotope Research, ESIR Isotope Workshop XIII September 20 – 24, pp: 92-93, 2015, Zadar, Croatia. Eds: Krajcar Bronić, I., Horvatinčić, N., Obelić, B., Publisher: Ruđer Bošković Institute, Zagreb, Croatia, 2015; ISBN 978-953-7941-08-6 - <http://esir2015.irb.hr/Programme/Deuterium-and-hydrogen-ratios-determine-proton-spin-lattice-T1-weighted-Magnetic-Resonance-Images-Clinical-applications-in-cancer>
78. **Boros, L.G.**, Patel, H., Somlyai, G. The oncoisotopic effect of deuterium and carbon-dependent oncoisotope depletion in processed carbohydrates by ketogenic mitochondrial substrate oxidation. 1<sup>st</sup> Annual Conference on Nutritional Ketosis and Metabolic Therapeutics, Tampa Bay, Florida, January 28-30, 2016
79. Zarei, M., Blanco, FF., **Boros, L.G.**, Yeo, C.J., Brody, J.R., Winter, J.M. Post-transcriptional regulation of IDH1 by the RNA-binding protein HuR is important for pancreatic cancer cell survival under nutrient deprivation. [abstract]. In: Proceedings of the AACR Special Conference: Metabolism and Cancer; Jun 7-10, 2015; Bellevue, WA. Philadelphia (PA): AACR; Mol Cancer Res 2016;14(1\_Suppl):Abstract nr B41. - <http://goo.gl/ZUo51p>



80. **Boros, L.G.**, Nutritional ketosis improves nanomechanics for ATP synthase and TCA cycle turnover via aspartate mediated proton transfer in mitochondria. 2<sup>nd</sup> Annual Conference on Nutritional Ketosis and Metabolic Therapeutics, Tampa Bay, Florida, February 1-4, 2017.
81. Somlyai, G., Molnár, M., Somlyai, I., Fórizs, I., Czuppon, G., **Boros, L.G.** Hydrogen/deuterium ratio is a key regulator of energy production and cell proliferation – submolecular dimensions of drug development. 3<sup>rd</sup> International Conference on Clinical Sciences Drug Discovery, Reston, Virginia, USA, November 9-11, 2017.
82. Yee, J.K., Lu, Q., Lim, S., Han, G., Desai, M., **Boros, L.G.**, Ma, L. Flavonoids in the treatment of non-alcoholic fatty liver disease: a tracer-based cell culture study. Pediatrics Endocrine Society (PES) Annual Meeting, Fort Worth, Texas, USA, April 24-27, 2020.

### Invited Presentations, Keynotes & Teaching

1. Distribution of stable <sup>13</sup>C labels in structural macromolecules of pancreatic adenocarcinoma cells from [1,2-<sup>13</sup>C<sub>2</sub>]glucose: The application of mass spectrometry to cancer cell metabolism. Central Research Institute of Experimental Medicine of the Hungarian Academy of Sciences and the Hungarian Gastroenterological Society Research Section Seminars, Invited Speaker, Budapest, Hungary, June, 1997
2. Ribose synthesis in tumor cells: A new target for anti-tumor therapy. Faculty and Student Research Conference, Department of Human Nutrition, The Ohio State University, Columbus, OH, USA, October, 1997
3. Thiamine and the tumor proliferation process; ribose synthesis through transketolase. Abbott-Ross Laboratories Research Seminar, Invited Speaker, Columbus, OH, USA, May 1997
4. Inhibition of tumor proliferation through the synthesis of RNA ribose. Pathology 850(b): Seminars in Pathology - Continuing Medical Education Program, The Ohio State University, Columbus, OH, USA, April, 1997
5. Inhibition of tumor cell proliferation through the synthesis of nucleic acid ribose: a new approach to tumor therapy. University of Barcelona department of Biochemistry Research Seminar, Barcelona, Catalonia, Spain, November, 1998
6. Gas Chromatography/Mass Spectrometry Chemical Analysis, Summer Student Advisor. Harbor-UCLA Research and Education Institute, Torrance, CA, USA, June-July, 1999.
7. Carbon <sup>13</sup>C mass isotope studies in cancer cell glucose metabolism: a practical application in tumor cell metabolic response to transforming growth factor-beta (TGF- $\beta_2$ ) treatment. Schebo-Tech presentation, Giessen, Germany, August, 1999
8. The role of thiamine (vitamin B<sub>1</sub>) in the proliferation of tumor cells: clinical consequences. Endocrine Clinical Research Conference, Harbor-UCLA Medical Center, Torrance, CA, USA, January 6, 1999
9. Transforming growth factor-beta (TGF-beta 2) induces non-oxidative glucose metabolic changes in tumor cells: an explanation for hypoxia resistance in tumors. Endocrine Clinical Research Conference, Harbor-UCLA Medical Center, Torrance, CA, USA, September 22, 1999
10. Thiamine-responsive megaloblastic anemia and the role of vitamin B<sub>1</sub> in nucleic acid synthesis. Nutrition Research Seminars UCLA School of Medicine, Department of Nutrition, Los Angeles, CA, USA, January 31, 2000



11. Impaired non-oxidative nucleic acid ribose synthesis in thiamine responsive megaloblastic anemia. Endocrine Clinical Conference, UCLA School of Medicine, Department of Endocrinology. Torrance, CA, USA, March 15, 2000
12. Characterization of tumor cell metabolism with stable glucose isotopes and GC/MS in response to growth modifying agents. Sala de Graus, Facultat de Biologia. University of Barcelona, Barcelona, Spain, May 19, 2000
13. Metabolic phenotypic changes in pancreatic adenocarcinoma cells after fermented wheat germ extract (Aveamar) treatment. UCLA School of Medicine, Center for Human Nutrition research seminars, Los Angeles, CA, USA, July 21, 2000
14. Methods of determining the metabolic phenotype of mammalian cells. UCLA School of Medicine, Harbor-UCLA Medical Center Basic Science Seminar, Torrance, CA, USA, December 12, 2000
15. Metabolic adaptation to promoters and inhibitors of human cell transformation. University of California Irvine, Division of Endocrinology, Diabetes and Metabolism, Faculty Science Seminar, Irvine, CA, USA, January 24, 2001
16. Metabolic markers of the lipofibroblast-myofibroblast trans-differentiation process in premature rat lung. UCLA School of Medicine, Center for Human Nutrition seminar presentation, Los Angeles, CA, USA, January 26, 2001
17. Metabolic characteristics of lipofibroblast-myofibroblast trans-differentiation in premature rat lung. UCLA School of Medicine, Department of Pediatrics research seminar, Los Angeles, CA, USA, February 15, 2001
18. Metabolic pathology of lipofibroblast-myofibroblast trans-differentiation. Harbor-UCLA Medical Center, Department of Pathology Grand Rounds, Torrance, CA, USA, February 16, 2001
19. Treatment of chronic myeloid leukemia with Bcr-Abl tyrosine kinase inhibitor Gleevec: the metabolic consequences. Endocrine Clinical Research Conference, Harbor-UCLA Medical Center, Torrance, CA, USA, July 11, 2001
20. Basics of mass spectrometry and proteomics analyses. Introduction to Biomedical Research and Experimental Techniques. Fellow/Faculty Continued Education Program, University of California Research and Education Institute, Torrance, CA, USA, August 29, 2001
21. Metabolic Adaptation of Mammalian Cells to Growth Modifying Signals. Weitzman memorial research award acceptance lecture 2001, Faculty Society of Harbor-UCLA, Torrance, CA, USA, September 13, 2001
22. Stable isotope labeling of proliferation-related macromolecules using [1,2-<sup>13</sup>C<sub>2</sub>]glucose: the effect of growth modifying signals. Cedar Sinai Medical Center Research Conference, Los Angeles, CA, September 14, 2001
23. STI571 (Gleevec) and leukemia cell proliferation. Leukemia Research Group and Task Force Meeting, UCLA School of Medicine, Department of Internal Medicine Division of Hematology, Los Angeles, CA, October 1, 2001
24. Metabolic adaptive changes in chronic myeloid leukemia cells in response to STI571 (Gleevec) treatment. Endocrine/Metabolism Research Seminar Series, Cedar Sinai Medical Center, Los Angeles, CA, USA, October 5, 2001
25. Pancreatic and leukemia tumor growth-control through metabolic pathway-linked signal transduction pathways: the lesson learned with STI571. UCLA School of Medicine, Center for Human Nutrition Research Seminar, Los Angeles, CA, USA, October 19, 2001
26. ThermoQest Finnegan LCQ Classic, Duo, Deca and triple quadrupole (TSQ) basic instrument operations. Atmospheric pressure ionization (API) and ion trap theory. Harbor-UCLA Research and Education Institute, laboratory course, Torrance, CA, USA, December 11-12, 2002



27. Opposite metabolic adaptive changes in tumor genesis and tumor growth control in leukemia tumor cells. Sala de Graus, Facultat de Biologia. University of Barcelona, Barcelona, Spain, USA, December 18, 2001
28. Metabolic effects of ethanol injury in the liver and pancreas: tissue specific differences in fatty acid synthesis. Endocrine Clinical Research Conference, Harbor-UCLA Medical Center, Torrance, CA, USA, January 9, 2002
29. Tissue specific lipotoxicity in the liver and pancreas after ethanol administration in rats. UCLA School of Medicine, Center for Human Nutrition Research Seminar, Los Angeles, CA, USA, January 25, 2002
30. Tumor cell metabolism and novel treatment modalities: Bcr-Abl tyrosine kinase inhibitor Gleevec. Endocrine and Metabolism Clinical Research Conference, City of Hope National Medical Center, Duarte, CA, USA, February 6, 2002
31. Molecules with memory: the stable isotope labeled metabolome in biomedical research. GC/MS research presentation, Visiting Professor Grand Rounds Part II, Torrance, CA, USA, March 5, 2002
32. Tracing pathways in dynamic metabolic profiling and their utilization in the drug discovery process. GC/MS research presentation, Visiting Professor Grand Rounds Part IV, Torrance, CA, USA, March 5, 2002
33. Metabolic profiles of tumor cells in response to novel anti-proliferative treatment modalities. Waters Metabolomics Technology Forum, Waters Corporation, Milford, MA, USA, March 26 & 27, 2002
34. Metabolic profiling of metabolic diseases with unknown mechanisms: how to make silent genes to talk. Harvard School of Medicine, Department of Hematology Research Seminar, Boston, MA, USA, March 27, 2002
35. Glucagon like peptide-1 (GLP-1) induced metabolic adaptation of pancreatic epithelial cells to differentiation and insulin release. Endocrine/Metabolism Research Seminar Series, Cedar Sinai Medical Center, Los Angeles, CA, USA, May 17, 2002
36. Glucagon like peptide-1 (GLP-1) induces differentiation and insulin release of pancreatic epithelial cells: Potential use for the treatment of type 2 diabetes mellitus. Endocrine Clinical Research Conference, Harbor-UCLA Medical Center, Torrance, CA, USA, June 12, 2002
37. Ethanol-induced tissue specific lipotoxicity in the liver and pancreas: a new application of the stable isotope-based metabolic profiling technology. Research Seminar, University of Southern California (USC), Los Angeles, CA, USA, July 8, 2002
38. Stable isotope-based dynamic metabolic profiling for industrial drug target screening, drug efficacy testing and new drug development. Research Seminar, Pharmacia, Saint Louis, MO, USA, August 12, 2002
39. Utilization of <sup>13</sup>C labeled stable glucose isotopomers in the industrial drug testing process. Research Seminar, Sigma-Aldrich-Isotech, Miamisburg, OH, USA, August 13, 2002
40. Use of asparagine as a substitute for glutamine in cell cultures: effects on glucose metabolism. University of California School of Medicine Harbor-UCLA Research and Education Institute Summer Fellow Education Program Presentation, Torrance, CA, USA, August 14, 2002
41. Introduction to mass spectrometry for biomedical research and experimental techniques. Fellow/Faculty Continued Education Program, University of California School of Medicine Harbor-UCLA Research and Education Institute, Torrance, CA, USA, September 5, 2002



42. Metabolic profiling with stable isotopes and GC/MS. The Harbor-UCLA Symposium and Workshop On Metabolic Profiling and Metabolic Control Analysis, University of California School of Medicine Harbor-UCLA Research and Education Institute, Torrance, CA, USA, September 21, 2002
43. Differential effects of vitamin D<sub>3</sub> on premature lung cells. The Harbor-UCLA Symposium and Workshop On Metabolic Profiling and Metabolic Control Analysis, University of California School of Medicine Harbor-UCLA Research and Education Institute, Torrance, CA, USA, September 22, 2002
44. Application of metabolic profiling in cancer drug discovery: Gleevec. The Harbor-UCLA Symposium and Workshop On Metabolic Profiling and Metabolic Control Analysis, University of California School of Medicine Harbor-UCLA Research and Education Institute, Torrance, CA, September 23, 2002
45. Diagnostic applications of stable isotope tracers and their prognostic value in drug sensitivity testing of human tumor cells. Oncotech, Tustin, CA, USA, December 10, 2002
46. Adrenal cortical carcinoma: mass spectral analysis of plasma steroid profile (case presentation). Harbor-UCLA Medical Center, Department of Endocrinology Grand Rounds, Torrance, CA, USA, January 03, 2003
47. Stable isotopes in metabolic profiling of pancreatic tumor cell physiology: tracer designs, applications and data analysis/presentation methods. Pancreatic SPORE grant meeting research seminar, UCLA School of Medicine, Department of Surgery, Los Angeles, CA, January 9, 2003
48. Drug target discovery and drug testing through metabolic profiling. 5th Annual Biomedical Investment & Strategic Partnering Opportunities Conference by the Southern California Biomedical Council (SCBC) Poster Presentation Session, Los Angeles, CA, USA, March 11, 2003
49. Drug target discovery and drug testing through metabolic profiling. 5th Annual Biomedical Investment & Strategic Partnering Opportunities Conference by the Southern California Biomedical Council (SCBC) Poster Presentation Session, Los Angeles, CA, USA, March 11, 2003
50. Improving Drug Target Discovery And Drug Effectiveness For The Industry Through Metabolic Profiling. 5th Annual Biomedical Investment & Strategic Partnering Opportunities Conference by the Southern California Biomedical Council (SCBC), Los Angeles, CA, USA, March 13, 2003
51. Vitamin-D<sub>3</sub> for the treatment of lung fibrosis. Endocrine Clinical Research Conference, Harbor-UCLA Medical Center, Torrance, CA, USA, April 23, 2003
52. Early diagnosis of pancreatic cancer using serum metabolome GC/MS analysis and [1,2-<sup>13</sup>C<sub>2</sub>]glucose as the tracer. Cambridge Isotope Laboratories, Andover, MA, July 2, 2003
53. Stable Isotope-Based Metabolic Profiling (SIDMAP) of human cancer. Utah Venture Associate presentation, Harbor-UCLA Medical Center, Torrance, CA, August 15, 2003
54. Glucagon-like peptide-1 stimulates glucose derived *de novo* fatty acid synthesis and insulin production during beta cell differentiation. Endocrine Clinical Research Conference, Harbor-UCLA Medical Center, Torrance, CA, USA, September 17, 2003
55. Metabolic pathways regulating cell cycle and apoptosis. UCLA School of Medicine, Harbor-UCLA Medical Center Basic Science Seminar, Torrance, CA, USA, October 7, 2003
56. Biomarkers of tumor cell proliferation and apoptosis revealed by metabolomics. International Society for Analytical and Molecular Morphology, Santa Fe, NM, October 14, 2003



57. Glucagon-like peptide-1 regulates *de novo* fatty acid synthesis and insulin release of beta cells. Endocrine & Metabolism Clinical Research Conference, City of Hope National Medical Center, Duarte, CA, USA, October 29, 2003
58. Rottlerin in the treatment of pancreatic cancer. Department of Veterans Affairs - Greater Los Angeles Hospital, Los Angeles, CA, January 14, 2004
59. Unique metabolic characteristics of IBC cells aiding diagnosis and treatment. Inflammatory Breast Cancer Research Foundation - Activist Meeting, Washington DC, MD, April 30, 2004.
60. Metabolic Profiles Associated with Aggressive Inflammatory Breast Cancer Cell Growth: exploring new avenues of diagnosis and treatment. Inflammatory Breast Cancer Research Foundation - Board Meeting, Washington DC, MD, April 30, 2004
61. Organ Specific Metabolic Abnormalities in Thiamine Responsive Megaloblastic Anemia and Diabetes in Children. Harbor-UCLA Medical Center, Department of Pediatrics Grand Rounds, Torrance, CA, USA, July 29, 2004
62. Unlocking Thiamine Responsive Megaloblastic Anemia: an unknown disease entity of the past. General Clinical Research Center Excellence in Clinical Research Award for 2003; award acceptance lecture, Torrance, CA, USA, September 21, 2004
63. Time of Flight Mass Spectrometry: from science to clinic. UCLA School of Medicine, Harbor-UCLA Medical Center Basic Science Seminar, Torrance, CA, USA, October 5, 2004
64. Clinical Trials in a Test Tube: Understanding the Powers of Stable Isotope-based Dynamic Metabolic Profiling (SIDMAP) in Drug Discovery. Eight Annual Functional Genomics Meeting, Cambridge Healthtech Institute, Boston, MA, November 9, 2004
65. Understanding Glivec-induced metabolic network changes as markers of response in cancer. Oncology Research Management Board, Novartis Pharmaceuticals, Basel, Switzerland, March 22, 2005
66. Targeted drugs and the tracer labeled metabolome of tumor cells: how to predict resistance and develop intervention strategies. University of Utah, Department of Biochemistry Research Seminar, Salt Lake City, UT, April 18, 2005
67. Understanding drug resistance and failure using stable isotope-based dynamic metabolic profiling (SIDMAP). 62<sup>nd</sup> Annual Meeting of the Korean Society for Biochemistry & Molecular Biology, Cellular Metabolism and Metabolomics Seminar Lecture, Seoul, Korea, May 19, 2005
68. Predicting clinical resistance to targeted therapies using stable isotope-based dynamic metabolic profiling (SIDMAP). Korean Institute of Science and Technology Research Seminar, Seoul, Korea, May 19, 2005
69. Applications of stable isotope-based dynamic metabolic profiling (SIDMAP) in drug resistance. Pohang University of Sciences and Technology Department of Chemistry Research Seminar, Pohang, Korea, May 20, 2005
70. Classic laws of physics and mass spectrometry: time of flight, quadrupole, ion trap instruments and their principles of operation. AP Physics student class, Carson High School, Carson, California, June 10, 2005
71. Stable Isotope Based Metabolic Profiling (SIDMAP) and its Applications. First Scientific Meeting of the Metabolomics Society, Tsuruoka City, Japan, June 23, 2005



72. Tracer substrate-based metabolomics: data handling, biomarkers and patient stratification. Metabolomics Standards Workshop, National Institute of Diabetes & Digestive & Kidney Diseases, National Institutes of Health, Bethesda, Maryland, August 1-2, 2005
73. Why targeted drug therapies are doomed to fail: uncovering the mechanism of action using stable isotope-based dynamic metabolic profiling. Connective Tissue Research Institute, University City Science Center, Department of Medicine, University of Pennsylvania, School of Medicine, Philadelphia, PA, October 18, 2005
74. Evolving metabolic tracer technologies and targeted drug resistance in cancer. Third International Conference on Tumor Cell Metabolism, Plenary Lecture, Louisville, KY, October 20, 2005
75. Predicting Clinical Resistance to Gleevec Treatment by *in vitro* Applied Stable Isotope-based Dynamic Metabolic Profiling. Advances in Metabolic Profiling, Pharmaceutical and Disease State Applications, London, UK, November 1, 2005
76. Metabolic effects of anti-psychotic treatments and the development of type 2 diabetes. Department of Pharmacology, University of Cambridge, United Kingdom, November 3, 2005
77. Ethanol-induced organ-specific lipotoxicity in the plasma, liver and pancreas: an *in vivo* tracer substrate-based metabolomics study. Center for Regulatory and Environmental Analytical Metabolomics (CREAM) at the University of Louisville, 1st CREAM Symposium, Louisville, KY, November 5 & 6, 2005
78. Identifying Patients Who are at Risk for Developing Resistance to Targeted Therapies. IBC Life Sciences Metabolic Profiling Using Metabolomics and Metabonomics Technology to Accelerate Drug Discovery and Development, Research Triangle Park, NC, November 14-15, 2005
79. Developing Metabolic Biomarkers by Measuring Isotopomer Ratios of Specific Metabolites: Metabolic Profiling and Analytical Methods, Orlando, Florida, December 7-8, 2005
80. Tumor cell metabolism. Basic Science Seminar, UCLA School of Medicine Department of Surgery, General Surgery Basic Science Seminar, Los Angeles, CA, December 21, 2005
81. Flexibility of the metabolic network and targeted drug failures. UCLA School of Medicine, Los Angeles Biomedical Research Institute at the Harbor-UCLA Medical Center Basic Science Seminar, Torrance, CA, USA, April 18, 2006
82. Fermented Wheat Germ (Aveamar) Effect and Mechanism of Action as Determined by Stable Isotope-based Dynamic Metabolic Phenotyping. International Society for the Study of Xenobiotics (ISSX), Cheju Island, Korea, May 27, 2006
83. Tracer substrate-based metabolomics to unlock metabolic phenotypes. Buck Institute for Age Research, Novato, CA, July 21, 2006.
84. Metabolic targeted therapies during and after failed small molecule kinase inhibitors in cancer. Conference on Small Molecule Science, San Diego, CA, July 25, 2006
85. Tracer Substrate-based Metabolomics and the 2005 Nobel Prize award in Physiology & Medicine. Innovation in Life Science, Healthcare Research & Product Development, Bryn Mawr College, Philadelphia, USA, October 16-19, 2006
86. Clinical Genomics in Gastroenterology. Asian Pacific Digestive Disease Week, Lahug Cebu City, Philippines, November 20, 2006
87. Mass Isotopomer Markers of Drug Efficacy and Toxicity in Plasma and Urine. Global Technology Community's (GTCbio) 2<sup>nd</sup> Modern Drug Discovery and Development Summit, Philadelphia, PA, December 4-6, 2006



88. Clinical metabolic biomarkers of drug safety and efficacy using  $^{13}\text{C}$ -labeled substrates. Division of Endocrinology & Metabolism Clinical Research Conference, Harbor-UCLA Medical Center, Torrance, CA, USA, September 6, 2006. *AMA PRA Category 1 Credits™*. Institute for medical quality and the California Medical Association's continued medical association (CME) accreditation standards (IMQ/CMA)
89. [1,2- $^{13}\text{C}$ ]-D-glucose tolerance test in obesity. Keynote Lecture & Honorary Membership Recipient Presentation at the 49<sup>th</sup> International Meeting of the Hungarian Gastroenterological Association, Pancreatology Plenary Section, Tihany, Hungary, June 3, 2007
90. Stable  $^{13}\text{C}$  isotope tracer substrate studies in drug target development, efficacy and safety testing. Research Seminar, Department of Pathophysiology and the Hungarian Academy of Sciences Szeged Regional Arm, Szeged, Hungary, June 9, 2007
91. Abnormal  $^{13}\text{C}$  isotopomer production after acute and chronic antipsychotic treatment in mice. The Eight International Conference on Systems on Systems Biology; Systems Biology in Medicine, Long Beach, California, USA, October 5, 2007
92. Determination of New Biomarkers for Liver Toxicity in the form of Stable Isotope Labeled Metabolites. InnovationWell InterAction Meeting Session, Systems-based Biology & Toxicology, Bryn Mawr College, Philadelphia, PA, USA October 17, 2007
93. Use of metabolic pathway flux information in cancer drug design. Oncogenes meet metabolism – from deregulated genes to a broader understanding of tumor physiology, Berlin, Germany, November 14-16, 2007
94. Functional analysis of pancreatic cancer genes, signaling pathways and drugs using metabolomics. Fourth Hirshberg Symposium for Pancreatic Cancer Research, Los Angeles, California, USA, February 4, 2008
95. Metabolic pathway flux information and systems biology approaches in CNS disorders. 10<sup>th</sup> International Neuroscience Winter Conference, Sölden, Austria, April 5-10, 2008
96. Discovering markers of metabolic side effects from responses to drugs by altered synthesis and turnover of fatty acids and cholesterol. IBC's 13<sup>th</sup> Annual World Congress on Drug Discovery & Development of Innovative Therapeutics (DDT), World Trade Center, Boston, MA, August 4-7, 2008
97. Individual variations of metabolism, diabetes and obesity markers,  $^{13}\text{C}$  substrate based dynamic metabolic profiling (SiDMAP) and SiD-ELISA. United States Food and Drug Administration (FDA) National Center for Toxicological Research Science and Collaboration Seminar, Jefferson, Arkansas, August 27, 2008
98. Non-invasive methods of studying cancer cell metabolism, drug action and drug response. American College for the Advancement in Medicine (ACAM) – Integrative approaches in Oncology, Las Vegas, Nevada, October 19, 2008. The American College for Advancement in Medicine designates this educational activity for 1.00 *AMA PRA Category 1 Credit™*. Physicians can claim credit commensurate with the extent of their participation in the lecture.
99. Luteolin inhibits *in vitro* pancreatic cancer cell proliferation: a comparative tracer isotope study with a targeted fatty acid synthesis inhibitor compound (C75). UCLA Center for Excellence in Pancreatic Diseases Research Seminar, Greater Los Angeles Veterans Administration, Los Angeles, California, December 19, 2008
100. Stable ( $^{13}\text{C}$ ) Isotope-labeled Metabolite Fragments' Isotopomer Regression Analysis (SIMFIRA) Studies in Cancer. Cancer Metabolism Workshop, Bethesda North Conference Center, Rockville, Maryland, July 9-10, 2009



101. Metabolic Flux and Nutritional Phenotypes. Nutritional Phenotype Database (dbNP) Workshop of the US Food and Drug Administration, Jefferson, Arkansas, January 21, 2010
102. Stable isotope tracer metabolite markers of failing kidney function. Department of Pathology Faculty Research Seminar, University of California at San Francisco, San Francisco, California, March 11, 2010
103. Intermediary metabolism and macromolecule synthesis in response to deuterium depletion in pancreatic, breast and lung cancer cell lines. 1<sup>st</sup> International Symposium on Deuterium Depletion, Budapest, Hungary, May 13-14, 2010
104. Tracer substrate-based metabolomics in renal cancer for target identification, reverse genomics and biomarker identification. Urologic Oncology Branch, National Cancer Institute, National Institutes of Health – M. Linehan's Laboratory, Bethesda, Maryland, July 12, 2010
105. Tracer substrate-based metabolomics: a technological overview. Stanford Research Institute (SRI) International Biosciences Division Friday Seminars, Menlo Park, CA, July 30, 2010
106. Fructose alters glucose metabolism in adipocytes: FDA initiatives for stable isotope plasma markers of obesity, diabetes and cancer. UCLA Center for Excellence in Pancreatic Diseases Research Seminar, Greater Los Angeles Veterans Administration, Los Angeles, California, October 12, 2010
107. Diverse substrate utilization by tumor cells: clinical implications. Pulmonary Clinical Conference, Greater Los Angeles Veterans Administration, Los Angeles, CA, December 21, 2010
108. Bioinformatics of Glucose-tracer Based Metabolomics. Seventh Hirshberg Symposium for Pancreatic Cancer Research, Los Angeles, California, USA, February 18, 2011
109. Metabolomics for Population and Drug Research: Peer Reviewed Methods and Program Initiatives. UCLA School of Medicine, Los Angeles Biomedical Research Institute Basic Science Seminar, Torrance, CA, USA, April 12, 2011
110. Metabolomic Studies of Cancer Using 13C Tracer Substrates and Model Fitting. Cancer Research UK, Cambridge, United Kingdom, June 2, 2011
111. Cornering tumor cells in hypoxia: <sup>13</sup>C substrate guided tour of the metabolic network. Genentech Research Seminars, San Francisco, CA, USA, July 07, 2011
112. Research at academic institutions and pharmaceutical companies: from ideas to drugs. UCLA School of Medicine, Los Angeles Biomedical Research Institute - Career Pathways in Biological Sciences Student Fellowship Program, Torrance, CA, USA, August 02, 2011
113. Metabolomics and Drug Development in the Post-Genomic Era. Department of Pharmaceutical & Biomedical Sciences, College of Pharmacy at the University of Georgia, Athens, GA, February 29, 2012
114. Business and Science Perspectives for Stable Isotope Tracer-based Metabolomics in 2012. Institute for Veterinary Physiology and Biochemistry, Justus-Liebig-University, Giessen, Germany, July 02, 2012
115. Impact of growth signaling and the kinase inhibitor Glivec on tumor cell metabolism. Department of Nutritional Sciences, College of Agriculture and Life Sciences, University of Arizona, Tucson, AZ, August 29, 2012
116. Metformin, cholesterol, K-ras: Contextual synthetic inhibition of fatty acid synthase. Science Fridays, Los Angeles Biomedical Research Institute at the Harbor-UCLA Medical Center, Torrance, CA, USA, November 02, 2012



117. <sup>13</sup>C Substrate-based Metabolomics and Drug Development in the Post-Genomic Era. Discovery Biology, Rigel Pharmaceuticals, Inc., South San Francisco, CA, November 16, 2012
118. Targeted Tracer Fate Associations (TTFAS) in the <sup>13</sup>C-labeled Metabolome. Preston Robert Tisch Brain Tumor Center at the Duke University Medical Center, Durham, NC, June 19, 2013 (Certified by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. CME credit (AMA PRA Category 1 Credit)<sup>™</sup>)
119. Targeted <sup>13</sup>C Tracer Fate Association Studies (TTFAS): Isotopolomics powered by SiDMAP. Johns Hopkins School of Medicine, Baltimore, MD, June 20, 2013.
120. Isocitrate dehydrogenase-1 (IDH-1) mutation and D-2-hydroxyglutarate deregulate mitochondrial function. Endocrine Clinical Research Conference, Harbor-UCLA Medical Center, Torrance, CA, USA, August 07, 2013.
121. Serine oxidation and glycine cleavage SOGC-isobolome as the signature of malignancy and targeted drug resistance. United States Food & Drug Administration (FDA) National Center for Toxicological Research, Center Wide Biomarker Study Concept Seminar, Jefferson, Arkansas, November 15, 2013.  
<http://harborped.org/news/dr-laszlo-boros-cancer-sog-pathway>
122. Failing molecular drug targets: how to overcome them using targeted metabolic tracer fate associations. Discovery Biology, Rigel Pharmaceuticals, Inc., South San Francisco, CA, November 18, 2013.
123. Deuterium depletion and mitochondrial NADPH production: the link for epigenetic control of oncogenesis. Science Fridays, Los Angeles Biomedical Research Institute at the Harbor-UCLA Medical Center, Torrance, CA, USA, December 13, 2013. <http://youtu.be/GkYAjabGxJs> - doi: 10.12918/SCIENCEFRDEC132014LGB
124. Mitochondrial fumarate hydratase deficient metabolic network of tumor cells. Combined Biochemistry Seminar Lecture, Department of Biochemistry, Albert Szent-Györgyi Medical University, Szeged, Hungary, EU, March 20, 2014. (Hungarian) [https://youtu.be/-rMQdOn\\_TR8](https://youtu.be/-rMQdOn_TR8)
125. Metabolic control analysis (MCA) using targeted <sup>13</sup>C tracer substrate fate associations. Combined Biochemistry Seminar Lecture, Department of Biochemistry, Albert Szent-Györgyi Medical University, Szeged, Hungary, EU, March 18, 2014 (English) <http://youtu.be/Pms6k9AQ3bQ>
126. Deuterium depletion controls oncogenesis via NADPH-dependent reductive synthesis via the pentose cycle. Celebrate Half a Century of Medical Innovations at LA BioMed, Torrance, CA, USA, April 24, 2014.
127. Targeted Deuterium Fate Association Study in Medicine Using Deuterobolomics (TDFAS). Patent Committee Business Development & Technology Management Faculty Presentation, Los Angeles BioMedical Research Institute at the Harbor-UCLA Medical Center [LAB0106], Torrance, CA, USA, November 14, 2014.
128. Partial deuteration of hydrogen bonded systems and their role in cancer development. Science Fridays, Los Angeles Biomedical Research Institute at the Harbor-UCLA Medical Center, Torrance, CA, USA, November 21, 2014
129. Molecular Biology, Functional Biochemistry and Deuterobolomics in Scriptures. Department for the Study of Religions, Faculty of Arts, University of Szeged, Szeged, Hungary, European Union, December 4, 2014.  
<http://youtu.be/a7PdYx0hHU4> - DOI: 10.13140/2.1.4907.5525
130. Stable isotope methods to trace metabolic channels. Combined Biochemistry Seminar Lecture, Department of Biochemistry, Albert Szent-Györgyi Medical University, Szeged, Hungary, EU, March 10, 2014 (English)



131. Metabolic and cytoplasmic water in hydrogen bonding networks of biomolecules. Combined Biochemistry Seminar Lecture, Department of Biochemistry, Albert Szent-Györgyi Medical University, Szeged, Hungary, EU, March 10, 2014 (English)
132. Metabolic and cytoplasmic water in hydrogen bonding networks of DNA. UCLA School of Medicine, Los Angeles Biomedical Research Institute Basic Science Seminar, Torrance, CA, USA, April 28, 2015
133. Anti-cancer properties of metformin via mitochondrial deuterium depletion. Endocrine Clinical Research Conference, UCLA School of Medicine, Harbor-UCLA Medical Center, Torrance, CA, USA, July 29, 2015
134. Submolecular regulation of cell transformation by deuterium. UCLA Center for Excellence in Pancreatic Diseases Research Seminar, Greater Los Angeles Veterans Administration, Los Angeles, California, November 25, 2015
135. Mitochondrial deuterium depletion as the central mechanism of anti-cancer drug action. UCLA Center for Excellence in Pancreatic Diseases Research Seminar, Greater Los Angeles Veterans Administration, Los Angeles, California, December 02, 2015
136. How carbohydrates become oncometabolites when intracellular deuterium depletion fails. UCLA School of Medicine, Los Angeles Biomedical Research Institute Basic Science Seminar, Torrance, CA, USA, December 08, 2015
137. Stable isotope-based dynamic metabolic phenotyping. Combined Biochemistry Seminar Lecture, Department of Biochemistry, Albert Szent-Györgyi Medical University, Szeged, Hungary, EU, March 08, 2016
138. Oncogenes, oncometabolites, oncoisotopes and cell transformation. Combined Biochemistry Seminar Lecture, Department of Biochemistry, Albert Szent-Györgyi Medical University, Szeged, Hungary, EU, March 08, 2016
139. Deuterobolomics: Course Proposal for the Honor Collegium at UCLA UCLA School of Medicine, Los Angeles Biomedical Research Institute Basic Science Seminar, Torrance, CA, USA, March 15, 2016
140. Nanoindentations of fast moving enzymes and their lubrication with deuterium depleted water in mitochondria: applications for hyperbaric oxygen and nutritional ketosis. Department of Molecular Pharmacology and Physiology, Morsani College of Medicine, Hyperbaric Biomedical Research Laboratory, University of South Florida, Tampa, FL, USA, April 29, 2016
141. Nanoindentations of fast moving enzymes and their lubrication with deuterium depleted water: oncological applications for ATP synthase in the matrix of mitochondria. UCLA Center for Excellence in Pancreatic Diseases Research Seminar, Greater Los Angeles Veterans Administration, Los Angeles, California, May 04, 2016
142. Biological Nanomechanics: ATP Synthesis and Deuterium Depletion. UCLA School of Medicine, Los Angeles Biomedical Research Institute Basic Science Seminar, Torrance, CA, USA, August 23, 2016 - <https://youtu.be/6P8ggB4zLGQ>
143. Metabolomics and Biomarkers for the Prevention of Cancer and other Degenerative Diseases. American College for the Advancement in Medicine (ACAM) – Preventive approaches in Oncology, Tucson, Arizona, September 16, 2016. Educational activity for 1.00 AMA PRA Category 1 Credit™.
144. Ketogenic Diet and Deuterium Depleted Water for the Prevention and Treatment of Cancer and Neurodegenerative Conditions. American College for the Advancement in Medicine (ACAM) – Preventive approaches in Oncology, Tucson, Arizona, September 16, 2016. Educational activity for 1.00 AMA PRA Category 1 Credit™.



145. Nanomechanics of ATP Synthesis and Deuterium Depletion. Biochemistry, Biophysics, Molecular and Cell Biology PhD Elective Course in 2016/2017 first semester - Department of Biochemistry, Albert Szent-Györgyi Medical University, Szeged, Hungary, EU, October 12, 2016
146. The Effect of Deuterium Depletion on Cancer Cell Metabolism: Therapeutic Perspectives. 2<sup>nd</sup> International Conference for Cancer Metabolism and Therapy (CMT2017), First Affiliated Hospital of Wenzhou Medical University, Wenzhou, Zhejiang Province, China, October 15, 2017
147. In Memoriam: The Scientific Contributions of Dr. Wai-Nang Paul Lee. 3rd International Conference for Cancer Metabolism and Therapy (CMT2018), Shanghai General Hospital, Shanghai Jiaotong University, Shanghai, China, October 13, 2018
148. Deuterium Depleted Metabolic Water and Mitochondrial Health. China Academy Of Science & Technology Development, Shenzhen, China, March 23, 2019
149. Deutenomics, the inherent autonomic discrimination of deuterium by Nature: medical implications. Hirshberg Foundation Seed Grant Awardees Presentations, University of California Los Angeles School of Medicine UCLA Faculty Center Sequoia Room, September 20, 2019
150. Mitochondrial depletion (deuterium depletion) restrains prokaryote proliferation and virus hosting cellular events thus alleviates the use of biologics. New Frontiers of Biology, Biological Drugs - Precision Medicine and -omic Sciences: The Role of Biologists, Place Parco dei Principi, Rome, Italy, European Union, April 18, 2020
151. Metabolic profiling and deutenomics of mitochondrial diseases. Institute for Women's and Children's Health at The Lundquist Institute and the Harbor-UCLA Medical Center, Torrance, CA, USA, June 01, 2020
152. Fitness, cognitive functions and strength - group meeting on Deutenomics. Vrije University Amsterdam, The Netherlands, Nov 23, 2020
153. Deuterium distribution in tissues and nutrients as a guide to human health. Institute for Women's and Children's Health at The Lundquist Institute and the Harbor-UCLA Medical Center, Torrance, CA, USA, January 04, 2021
154. Deuterium Distribution in Disease and Health. The Body Electric Summit 2.0, Online Course Series, February 24, 2021 - <https://bodyelectric.byhealthmeans.com/>
155. Positioning Deutenomics Within Biochemistry And Translational Medicine. Deuterium Depletion Summit 2021, February 27, 2021 (Online) - <https://deuteriumdepletionsummit.com/>
156. The Role of Heavy Hydrogen (deuterium) in Translational Medicine. Silicon Valley Health Institute of California, April 27, 2021 (Online) - <http://www.svhi.com/>

## Peer Review Panels

*African Journal of Biotechnology* (ISSN 1684-5315) (2014); *Analytical Biochemistry* (ISSN 0003-2697) (2003); *Anti-Cancer Drugs* (ISSN: 0959-4973) (2016); *Biochemical Pharmacology* (ISSN: 0006-2952) (2005); *Biochimica et Biophysica Acta - Molecular Basis of Disease* (ISSN: 0925-4439) (2015); *Biomarkers in Medicine* (ISSN 1752-0363) (2007); *BMC Cancer* (ISSN 1471-2407) (2017); *BMC Systems Biology* (ISSN 1752-0509) (2014); *British Journal of Cancer* (ISSN 0007-0920) (2008); *Cancer & Metabolism* (ISSN 2049-3002) (2013); *Cancer Cell International* (ISSN 1475-2867) (2011); *Cancer Epidemiology, Biomarkers & Prevention* (ISSN 1538-7755) (2017); *Cancer Investigation* (ISSN 1532-4192) (2010); *Cancer Letters* (ISSN 1872-7980) (2007); *Cancer Metabolomics* (ISSN 2299-1085) (2012); *Cancer Research* (ISSN 1538-7445)



(2011); *Cancers* (ISSN 2072-6694) (2014); *Carcinogenesis* (ISSN 1460-2180) (2009); *Cell Biology & Toxicology* (ISSN 1573-6822) (2007); *Cell Chemical Biology* (ISSN: 1074-5521) (2016); *Cell Death and Disease* (ISSN 2041-4889) (2021); *Cells* (ISSN 2073-4409) (2019); *Cellular Oncology* (ISSN 2211-3428) (2011); *Chemistry and Biodiversity* (ISSN 1612-1880) (2016); *Clinical and Translational Medicine* (ISSN 2001-1326) (2020); *Diagnostics* (ISSN 2075-4418) (2020); *Digestive Diseases & Sciences* (ISSN: 1573-2568) (2003); *Drug Design, Development and Therapy* (ISSN 1178-8881) (2013); *Dutch Cancer Society (Nederlandse Kankerbestrijding)* (2003); *European Journal of Pharmacology* (ISSN 0014-2999) (2006); *Evidence-Based Complementary and Alternative Medicine* (ISSN 1741-4288) (2013); *Federation of European Biochemical Societies (FEBS) Letters* (ISSN 0014-5793) (2005); *Free Radical Biology & Medicine* (ISSN 0891-5849) (2009); *French Recherche Médicale - Research pioneers programme CHEMISTRY FOR MEDICINE* (2018); *Frontiers in Endocrinology* (ISSN 1664-2392) (2019); *Genes & Nutrition* (ISSN: 1555-8932) (2019); *Harbor-UCLA Research and Education Institute (REI), Grants & Contracts* (2001 - 2004); *Hormone & Metabolic Research* (ISSN 0018-5043) (2000); *International Journal of Cancer* (ISSN 1097-0215) (2007); *International Journal of Molecular Sciences* (ISSN 1422-0067) (2019); *Israel Science Foundation* (2016); *Journal of Industrial and Engineering Chemistry* (ISSN: 1226-086X) (2017); *Journal of Theoretical Biology* (ISSN: 0022-5193) (2018); *Journal of Translational Medicine* (ISSN: 1479-5876) (2015); *Lipids in Health and Disease* (ISSN: 1476-511X) (2015); *Lung Cancer* (ISSN 0169-5002) (2010); *Marine Drugs* (ISSN 1660-3397) (2021); *Metabolic Engineering* (ISSN 1096-7176) (2012); *Metabolites* (ISSN 2218-1989) (2013); *Metabolomics* (ISSN 1573-3890) (2004); *Molecular Cancer Research* (ISSN: 1541-7786 (Print)) (2019); *Molecular Cancer Therapeutics* (ISSN: 1535-7163 (Print)) (2019); *Molecular Medicine Reports* (ISSN 1791-2997) (2017); *Molecules* (ISSN 1420-3049) (2013); *Natural Sciences & Engineering Research Council of Canada* (2000); *Nature Protocols* (ISSN 1754-2189) (2007); *NMR in Biomedicine* (ISSN 1099-1492 (Online)) (2018); *Nutrients* (ISSN 2072-6643) (2019); *Nutrition & Cancer* (ISSN 1532-7914) (2004); *Oncogene* (ISSN 0950-9232) (2004); *Oncotarget* (ISSN · 1949-2553) (2018); *Pancreatology* (ISSN: 1424-3903) (2016); *Pharmacology & Therapeutics* (ISSN 0163-7258) (2012); *Phytomedicine* (ISSN: 0944-7113) (2017); *Public Library of Science (PLoS) Computational Biology* (ISSN 1553-7374) (2018); *Scientific Reports – Nature Publishing Group* (ISSN: 2045-2322) (2018); *The European Foundation for Alcohol Research (ERAB)* (2017); *The Journal of Pediatrics* (ISSN 0022-3476) (2006); *University of Alabama at Birmingham Clinical Nutrition Research Center* (2004)

**S u p p o r t**

**Completed**

**1. HEPATOTOXICITY FLUX STUDY FOR REGORAFENIB**

United States Food and Drug Administration, Jefferson, Arkansas, USA

P.I. – L. G. Boros

09/15/2016 – 09/01/2020

<sup>13</sup>C and <sup>2</sup>H markers of Stivarga’s Liver Toxicity

\$25,410 40%

This project will determine precise mitochondrial toxicity markers in the liver with a translational edge regarding regorafenib

**2. DEUTEROBOLOMICS AND KETOBOLOMICS**

Epigenix Foundation, El Segundo, CA, USA

P.I. – L. G. Boros

05/15/2016 - 05/15/2017

Continued Medical Education (CME) and College Course Development

\$75,000 30%

This grant is to develop biochemistry courses that train physicians and honors students for interpreting deuterium and hydrogen biochemistry in response to ketogenic dietary modifications which deplete deuterium with



László G. Boros

applications in biology and medicine. The topic is for continued medical education (CME) credits and also considered for the UCLA Honors College.

3. **HUNTINGTON SOCIETY OF CANADA** - New Pathways Research Grant  
 Western Washington University, Bellingham, WA, USA  
 WWU (P.I. – J. Carroll); UCLA SubK (Co-P.I. – L. Boros) 01/01/2016 - 12/31/2016  
 Peripheral silencing of Htt<sup>Q111</sup> in Huntington’s disease \$18,000 15%

This grant is to establish whether peripheral silencing of Htt<sup>Q111</sup> is associated with rescue of central metabolic dysregulation in Huntington’s disease using U-<sup>13</sup>C-glucose to determine striatal <sup>13</sup>C-lactate -, glutamate and – palmitate <sup>13</sup>C labeling.

4. **RO1CA169919 US NIH/NCI**  
 University of Maryland and UCLA Liver Cancer Research Project  
 JHSM (P.I. – G. Girnun); UCLA SubK (Co-P.I. – L. Boros) 09/01/2012 - 08/31/2017  
**Metabolic control of hepatocellular carcinoma by PGC1-alpha** \$337,000 5%

Stable isotope tracer substrate technology is used to reveal peroxisome proliferator-activated receptor gamma co-activator 1-alpha (PGC1alpha) in liver carcinogenesis and its Systems’ Biology and how it affecting the metabolic network.

**Funding History**

1. **MRDF 53656** (P.I. - Boros) 01/01/1995-12/31/1995  
 The Ohio State University Department of Surgery \$4,996  
**Tumor ribose synthesis pathways.**

This project allowed preliminary/feasibility investigations in the field of tumor specific nucleic acid ribose synthesis pathways from glucose as the precursor and source for nucleic acid backbone sugar synthesis.

2. **PO1 CA42710-12** (P.I. - Heber) 01/01/1998-12/31/1998  
 US NIH Clinical Nutrition Research Unit/UCLA (CNRU) \$15,000  
**Lipid and RNA ribose synthesis in tumor cells and the mechanism of soy protein action on pentose cycle activity using <sup>13</sup>C labeled glucose or acetoacetate.**

This project provided preliminary/feasibility funding for studying specific inhibitors of pentose cycle enzymes in order to inhibit *in vitro* pancreatic tumor cell growth and transformation.

3. **Fulbright** (P.I. - Cascante) 01/07/1999-31/06/2000  
 Commission for Cultural, Educational and Scientific Exchange of Spain \$12,780  
 Travel grant for scientific exchange and visits between the US and Spain.
4. **Harbor-UCLA Inaugural Collegium** (P.I. - Boros) 2001  
 Harbor-UCLA Research and Education Institute \$12,000 N/A  
 Equipment purchase award for an atmospheric pressure chemical ionization (APCI) probe for the LCQ Deca ion trap mass spectroscopy instrument.
5. **MO1 RR00425-34** (P.I. - Anderson) 12/01/1977 - 09/30/2003  
 US DHHS/NIH/NCRR (Mass Spectroscopist - Boros)  
 General Clinical Research Center



László G. Boros

This project provided continued support for an inpatient General Clinic Research Center (GCRC) unit, outpatient GCRC facilities, a Perinatal Clinical Research Center (PCRC) at Martin Luther King Drew Medical Center, and a Satellite GCRC at Cedars-Sinai Medical Center.

- 6. **MA 1760/2-1 & 1760/2-2; German Research Communications (Deutsche Forschungsgemeinschaft (DFG) (P.I. – Mazurek)** 02/01/2001 - 01/31/2003  
 Habilitation and scientific exchange studies for Dr. Sybille Mazurek \$20,000.00 N/A
- 7. **Henry L. Guenther Core Metabolic Profiling Laboratory (P.I. – Lee)** 08/01/2003  
 Harbor-UCLA Research & Education Institute (Co-P.I. – Boros) \$380,000.00

This project provides funds for a one-time purchase of a time of flight (TOF) mass spectrometer (Applied Biosystems - Voyager), a Liquid Chromatograph Finnegan Deca Ion Trap mass spectrometer (LCQ-Deca) and their support peripheries.

- 8. **Inflammatory Breast Cancer Research Foundation (P.I. - Boros)** 03/01/2003 - 02/28/2004  
 Metabolic profile of inflammatory breast cancer cells. \$20,000  
 N/A

This project provides funding to clarify inflammatory breast cancer metabolic characteristics and to develop new treatment strategies based on metabolic pathway inhibitors in this rapidly growing undifferentiated cancer on a renewable seed grant basis.

- 9. **RO1 HL66182-01A1 SUBK (P.I. - Neufeld)** 10/01/2001 - 09/30/2006  
 US DHHS/NIH/NCI (P.I.-Boros; Operating Institution Project Director) \$20,050 14%  
 Pathophysiology of Thiamine-Responsive Anemia Syndrome

This project describes the biochemical defect involved in the thiamine responsive megaloblastic anemia syndrome using stable isotope based metabolic profiling *in vitro* and *in vivo*.

- 10. **PO1 CA42710-16 SUBK (P.I. Heber)** 05/01/1992 - 04/30/2007  
 UCLA Subcontract (Mass Spectroscopist - Boros) \$19,637 5%  
 Clinical Nutrition Research Unit: Stable Isotope Core.

The major goal of this project is to develop chemo preventative approach to cancer through nutrition modification. To operate and co-direct the GC/MS core for CNRU approved projects.

- 11. **6-FY2002-181 (P.I.-Torday)** 06/01/2003 - 5/31/2007  
 March of Dimes (Boros-Co. I.) \$68,182 10%  
 The Role of Myofibroblasts in the Pathophysiology of Bronchopulmonary Dysplasia.

The aim of this project is to determine the mechanism of lipo-fibroblast transdifferentiation in newborns using combined genetic and metabolic profiling approaches.

- 12. **RO1 HL66182-01A1 SUBK (P.I. – Eibl)** 03/01/2004 - 31/12/2008  
 US NIH/NCI (Co-P.I. – Boros) \$225,000 10%  
 The Role of COX-2 and PPAR- $\gamma$  in Pancreatic Cancer

The proposed studies explicate the effect of COX-2 and PPAR gamma inhibitors in pancreatic cancer anti-proliferative treatment and metabolic phenotype.

- 13. **REI Project #: 200279-00-00 (Los Angeles Biomedical Research Institute)** 07/01/2004 - 06/30/2010



Hirshberg Foundation for Pancreatic Cancer Research (P.I. - Boros) \$25,000 14%  
 Biochemistry of Pancreatic Cancer using Stable Isotope-based Metabolic Profiling

This project describes the biochemical defect involved in the development and progression of pancreatic cancer using stable isotope based metabolic profiling *in vitro* and *in vivo*.

14. **RO1CA140492 US NIH/NCI**

Johns Hopkins School of Medicine and UCLA Nrf2 Lung Cancer Research Project  
 JHSM (P.I. – S. Biswal); UCLA SubK (Co-P.I. – L. Boros) 04/01/2010 - 03/31/2015  
 Regulation of Tumorigenesis and Therapeutic Resistance by Nrf2 in Lung Cancer \$325,000 5%

Stable isotope tracer substrate technology is used to reveal therapeutic resistance in lung cancer using several Nrf2 gene constructs and their effect on the metabolic network.

15. **UCLA 20038-01 (Interim) - NIH NCI Chemical Biology Consortium**

Stanford Research Institute (SRI) and UCLA Applicant Organizations

SRI (P.I. – Sambucetti); UCLA-Metabolomics Core (P.I. – Boros) 05/01/2011 - 06/31/2012  
 Project Consortium for new Cancer Drug Development \$108,877 25%

This project determines the effect of AMP-Kinase growth signaling in cancer cell energy metabolism *in vitro* and *in vivo*.

16. **1 P01 AT003960-01A1**

US NIH/NCI (P.I. – Go); Metabolomics Core (Co-P.I.s – Lee-Boros) 10/01/2007 - 09/30/2012  
 UCLA Center for Excellence in Pancreatic Diseases \$125,000 5%

Stable isotope tracer substrate technology is used to reveal natural phytochemical and nutritional products and their preventive/therapeutic applications in pancreatic diseases, including inflammation and cancer.

17. **HUNTINGTON SOCIETY OF CANADA - New Pathways Research Grant**

Western Washington University, Bellingham, WA, USA  
 WWU (P.I. – J. Carroll); UCLA SubK (Co-P.I. – L. Boros) 07/01/2013 - 06/31/2014  
 Mapping hepatic dysfunction in Huntington’s disease \$135863  
 5%

This grant is to quantify metabolic flux from <sup>13</sup>C-labeled glucose and palmitate in primary hepatocytes from Htt<sup>+/+</sup> and Htt Q111<sup>+/+</sup> mice fed medium- and high-fat diets. Additional transcriptomic data sets from parallel cultures of purified hepatocytes are generated to refine existing genome-scale models of hepatic metabolism, in hopes of identifying key signaling nodes that could serve as targets for future therapeutic development.

18. **HUNTINGTON SOCIETY OF CANADA - New Pathways Research Grant**

Western Washington University, Bellingham, WA, USA  
 WWU (P.I. – J. Carroll); UCLA SubK (Co-P.I. – L. Boros) 07/01/2015 - 06/30/2016  
 Mapping hepatic dysfunction in Huntington’s disease \$93,000  
 15%

This grant is to quantify metabolic flux from <sup>13</sup>C-labeled glucose, glutamine and palmitate tracers in primary hepatocytes isolated from Huntington’s mice fed a normal diet across an allelic series of 6 different allele lengths using Huntington’s gene constructs.

19. **Pilot 1506944155 - The University of Arizona Cancer Center**



National Cancer Institute-designated Comprehensive Cancer Center  
The UACC — Orange Grove Campus, Tucson, AZ, USA  
UACC (P.I. – H. Patel, MD); Harbor-UCLA Consortium (Co-P.I. – L. Boros) 07/01/2015 - 06/31/2016  
**Pilot project to study metabolic profile in patients with pancreatic adenocarcinoma** \$140,000 15%

This grant is to determine targeted tracer fate association patterns (TTFAS) by metabolic products of [U-<sup>13</sup>C<sub>6</sub>]-D-glucose in control subjects and in patients with pancreatic cancer. The study is designed to establish functional <sup>13</sup>C-based plasma markers of mitochondrial deuterium depletion and oxygen saturation to enhance anti-cancer drug efficacy based on individual metabolic profiles.

## Languages & Communications Skills

Fluent and literate in English and Hungarian, basic language skills in German, advanced computer skills, Microsoft-office, Word Perfect, Corel graphics, Mass Spectra analyses/processing using Excel macros and Visual Basic

## Courses, Compliance and Certifications

Advanced Tools for Proteomics and Pharmaceutical Analysis – Dionex Corporation 2001 Spring Seminar Series for Laboratory Professionals, *Woodland Hills, CA, May 17<sup>th</sup>, 2001*

Data and Safety Monitoring Policy and Procedures for the General Clinical Research Centers (GCRCs) of the United States – Harbor-UCLA Medical Center, *Torrance, CA, March 28<sup>th</sup>, 2001*

LCQ Operations – ThermoQest Finnegan LCQ Classic, Duo, Deca and triple quadrupole (TSQ) basic instrument operations, including atmospheric pressure ionization (API) and ion trap theory, tuning, calibration, data collection, maintenance, qualitative and quantitative data analysis/processing using Xcalibur - *Riviera Beach, Florida, February 26- March 2, 2001*

Responsible Conduct of Research Curriculum – Harbor-UCLA Research and Education Institute General Clinical Research Center, *Torrance, CA, February 28<sup>th</sup>, 2001*

Protecting Study Volunteers in Research – Educational/Training Course Certification – Harbor-UCLA Research and Education Institute – *Torrance, CA, Sep 29<sup>th</sup>, 2000*

Laboratory Animal Care and Handling Course, guided by the Institutional Laboratory Animal Care and Use Committee (ILACUC) of the University of California at Los Angeles, *Torrance, CA, October, 1998*

Basic Life Support cognitive and skills evaluation certificate for healthcare providers, curriculum of the American Heart Association – Ohio Valley, Columbus State C.C. Training Center, *Columbus, OH, June 12<sup>th</sup>, 1998*

Laboratory Animal Care and Handling Course, guided by the Institutional Laboratory Animal Care and Use Committee (ILACUC) of the Ohio State University, *Columbus, Ohio, July, 1990*

The Impact of Colorful Fruits and Vegetables on Health, UCLA Center for Human Nutrition, *Los Angeles, CA, September 5, 2001*

Matrix assisted laser desorption time of flight mass spectrometry (MALDI-TOF) sample preparations, operations, data analysis. UCLA Department of Chemistry, *Los Angeles, CA, March 18, 2001*



Human Proteome Organization (HUPA) & Amersham Proteomics Tour 2002. University of California Faculty Center, Los Angeles, CA, September 19, 2002

Finnigan Technology Forum: Gel analysis by mass spectrometry, Protein quantitation and analysis of phosphoproteins. Thermo Finnigan Western Region, La Jolla, CA, November 21, 2002

Linear ion trap technology, high throughput quantitative analysis by liquid chromatography/mass spectrometry (LC/MS/MS), advanced structural characterization, and metabolite and impurity identification. Applied Biosystems Applications seminar, Buena Park, CA, November 22, 2002

Southern California Biomedical Council Presentation Preparation Course for Venture and Investment Opportunities. KPMG International, Los Angeles, CA, February 6, 2003

Preparative Screening Course for Academic Institutions, the Southern California Biomedical Council and Kaiser Permanente Management Ground (KPMG) International, Los Angeles, CA, February 13, 2003

Protected Health Information (PHI) Health Insurance Portability & Accountability Act Certificate of the Harbor-UCLA Research and Education Institute, Torrance, CA, May 30, 2003

Voyager-DE™ STR BioSpectrometry™ Workstation (Applied Biosystems MALDI-TOF) Training Course, Foster City, California, July 13-16, 2004

Research Services Training: Current Laboratory Animal Handling and Use. Los Angeles Biomedical Research Institute, Torrance, CA, June 06, 2005

Title 8, Section 5193 California Code of Regulations Bloodborne Pathogen and Disease Training Course. Los Angeles Biomedical Research Institute, Torrance, CA, June 13, 2005

Infectious Agents and Diagnostics Specimens Transportation Saf-T-Pack Training (Tested As Per 49CFR 172.700 / IATA 1.5). Los Angeles Biomedical Research Institute, Torrance, California, July 14, 2005

Integrated Medical Research Information System - iMedRIS Data Corporation on-site Training Course at the Los Angeles Biomedical Research Institute, Torrance, California, July 15, 2005

Sexual Harassment Prevention Training Course – State of California Code Training Course at the Los Angeles Biomedical Research Institute, Torrance, California, December 16, 2005

Mandated Section Test Los Angeles County Department of Health Services Harbor-UCLA Medical Center Re-orientation: Infection Control, Environment of Care, Family Violence, Cultural Diversity, HIPAA & Age Appropriate Care Considerations. Result: Pass; Torrance, California, July 10, 2006

Department of Health & Human Services – USA; Los Angeles County DHS Compliance Training Program, June 22, 2007

Mandatory Online Sexual Harassment Prevention Course for University of California (UC) Faculty. Sexual Harassment Prevention Training - required by California law (AB1825), October 11, 2007

Mandatory Compliance Briefing: University of California Ethical Values and Conduct. April 05, 2010

Mandatory Online Sexual Harassment Prevention Course for University of California (UC) Faculty Title VII of the Civil Rights Act of 1964 - Title IX of the Education Amendments of 1972, April 05, 2010



Basics of Drug Safety and Pharmacovigilance. Pharmacovigilance audit compliance course of global drug safety and pharmacovigilance regulations. FDA and EMA drug safety regulations. Park Avenue Presentations, Inc., webinar: Wednesday, December 8, 2010

California Medical Waste Management Act Inspection Mandatory Course. N-14 Board Room, LABiomed at the Harbor-UCLA Medical Center, Gil Armangue, CHMM, Safety Director, November 30, 2010

General Training - Corporate Integrity Agreement (CIA). Office of the Inspector General (OIG), USA Department of Health and Human Services per Novartis Pharmaceuticals. January 23, 2011

Interactions with Health Care Providers (HCPs): Payments, Meals and the Provision of Other Items - Corporate Integrity Agreement (CIA). Office of the Inspector General (OIG), USA Department of Health and Human Services per Novartis Pharmaceuticals. January 23, 2011

Federal Compliance and Process/Approval Mechanisms - Corporate Integrity Agreement (CIA). Office of the Inspector General (OIG), USA Department of Health and Human Services per Novartis Pharmaceuticals. January 23, 2011

The Health Insurance Portability and Accountability Act (HIPAA) LABiomed Online Educational Training Course - Protection of Research Subjects, February 09, 2011

Good Clinical Practices Properly Informed Investigator/Faculty Certificate – General Clinical Research Center at the Harbor-UCLA Medical Center, Torrance, CA, February 12, 2011

Association for the Accreditation of Human Research Protection Programs, Inc., From the Investigator's Point of View – LABioMed – UCLA Certification Update and Course, RB-2, Torrance, CA, October 27, 2011

Investigator Manual - accreditation updates for responsibilities of investigators and staff when conducting human research. LABioMed – UCLA Certification Update Course, RB-3, Torrance, CA, December 02, 2011

Human Research Protection Program Accreditation - Protocol and Consent Form Template (Unit 2, 2012). Research Building (RB)-2, Torrance, CA, March 19, 2012

Sexual Harassment Prevention Training Course (supervisory employees) – Unlawful Harassment and Non-Retaliation Policy Review, two-year mandatory re-certification – State of California Code Training Course at the Los Angeles Biomedical Research Institute, Torrance, California, April 20, 2012

Financial Conflict of Interest (FCOI) Training, Office of Research Administration Los Angeles Biomedical Research Institute, Harbor-UCLA Medical Center, Torrance, California, December 07, 2012

Financial Conflict of Interest (FCOI), National Institutes of Health Office of Extramural Research, Bethesda, Maryland, USA, December 11, 2012 - <http://grants.nih.gov/grants/policy/coi/tutorial2011/fcoi.htm>

Office of Continuing Medical Education, Duke School of Medicine, Conflict of Interest Disclosure For Presenters, May 29, 2013.

Workplace Safety, Hazardous Substances & Materials. Hazard Communication & GHS – What Employees Need to Know". Los Angeles Biomedical Research Institute, Harbor-UCLA Medical Center, Torrance, California, November 22, 2013



Workplace Safety, Hazardous Substances & Materials. Hazard Communication & GHS – What Supervisors Need to Know”. Los Angeles Biomedical Research Institute, Harbor-UCLA Medical Center, Torrance, California, November 22, 2013.

Human Biomedical Research Basic Scientists - Collaborative Institutional Training Initiative at the University of Miami, Florida, USA – Pass - REFERENCE ID – 13515591, July 18, 2014. (Expire July 17, 2017)

Human Biomedical Research Staff - Collaborative Institutional Training Initiative at the University of Miami, Florida, USA – Pass - REFERENCE ID – 13515590, July 18, 2014. (Expire July 17, 2017)

Human Biomedical Research Investigators – FDA Regulated Research - Collaborative Institutional Training Initiative at the University of Miami, Florida, USA – Pass - REFERENCE ID – 13515593, July 18, 2014.

University of California Los Angeles (UCLA) Employee Safety Handbook material re-certified ehs.ucla.edu/SafetyHandbook.pdf, July 27, 2017

COLLABORATIVE INSTITUTIONAL TRAINING INITIATIVE (CITI PROGRAM) - University of California, Los Angeles (UCLA) (ID: 762) - PEDIATRICS-ENDOCRINOLOGY - UCLA HIPAA (ID:13861) June 29, 2015

Supervisor Anti-Harassment (CA) - 300: Intersections: LawRoom Inspired Employer Solutions course of the Los Angeles Biomedical Research Institute, Torrance, California, February 10, 2016

Accident Investigations - BUSINESS & LEGAL RESOURCES – The importance of accident investigation, how to talk to witnesses, what questions to ask when evaluating an accident scene, how to determine causal factors, and how to identify corrective actions – Pass: August 30, 2016

Americans with Disabilities Act – What Supervisors Need to Know - BUSINESS & LEGAL RESOURCES – To handle job interviews and post-offer discussions properly, deal appropriately with leaves of absence and reinstatement, and avoid discrimination based on disability – Pass: August 30, 2016

Basic First Aid for Medical Emergencies - BUSINESS & LEGAL RESOURCES – to recognize the benefits of obtaining first-aid and CPR certification; identify proper procedures for a variety of medical emergencies; assist in administering first aid when a co-worker is injured; and do no further harm – Pass: August 30, 2016

Fire prevention and extinguishers in California - BUSINESS & LEGAL RESOURCES – To understand the requirements enforced by the California Occupational Safety and Health Administration for both fire prevention and portable fire extinguishers – Pass: August 30, 2016

Hazard Communication and GHS - What Supervisors Need to Know - BUSINESS & LEGAL RESOURCES – To recognize the revised chemical labels and safety data sheets, or SDSs, and train employees to read and interpret GHS-compliant labels and SDSs – Pass: August 30, 2016

Laboratory Recordkeeping for Supervisors - BUSINESS & LEGAL RESOURCES – To cover all the basic laboratory safety records you have to maintain concerning the use of hazardous chemicals in the lab – Pass: August 30, 2016

Laboratory Safety- the Supervisor’s Role - BUSINESS & LEGAL RESOURCES – To gain a better understanding of your role as a supervisor in implementing and maintaining chemical hygiene and safety in the laboratory – Pass: August 30, 2016

Violence in Workplace- How to Prevent and Defuse for Supervisors - BUSINESS & LEGAL RESOURCES – To identify the causes of workplace violence, spot the signs of potential violence, follow required security procedures, respond effectively to violent acts, and recognize and respond to terrorist threats – Pass: August 30, 2016



COLLABORATIVE INSTITUTIONAL TRAINING INITIATIVE (CITI PROGRAM) – Los Angeles Biomedical Research Institute (LABIOMED) (ID: 2094) - PEDIATRICS – EXPORT COMPLIANCE (ID:16800) - Oct 06, 2016

COLLABORATIVE INSTITUTIONAL TRAINING INITIATIVE (CITI PROGRAM) – Los Angeles Biomedical Research Institute (LABIOMED) (ID: 2094) - PEDIATRICS – CONFLICT OF INTEREST COURSE – Introduction (Cal-Basic) (ID: 15177) - Financial Conflicts of Interest: Overview, Investigator Responsibilities, and Cal Rules (Cal-Basic) (ID: 15070) - Institutional Responsibilities as They Affect Investigators (Cal-Basic) (ID: 15072) - Oct 06, 2016

COLLABORATIVE INSTITUTIONAL TRAINING INITIATIVE (CITI PROGRAM) – Los Angeles Biomedical Research Institute (LABIOMED) (ID: 2094) - PEDIATRICS – STAGE-1 ANIMAL RESEARCH POST-APPROVAL MONITORING – June 19, 2018

COLLABORATIVE INSTITUTIONAL TRAINING INITIATIVE (CITI PROGRAM) – Los Angeles Biomedical Research Institute (LABIOMED) (ID: 2094) - PEDIATRICS – ANIMAL WELFARE REFRESHER – June 26, 2018

SUPERVISORS [CALIFORNIA] - HARASSMENT PREVENTION FOR SUPERVISORS (AB1825 COMPLIANT) May 30, 2019

SCIENTIFIC REPORTS - NATURE - EDITORIAL BOARD MEMBER COURSE - [CERTIFICATE OF COMPLETION](#) - July 01, 2019

BIOMEDICAL RESEARCH – BASIC/REFRESHER – STAGE 2 (Curriculum/Course Learner Group) - (CITI PROGRAM) – EXPIRATION DATE: 24 SEP 2022 – RECORD ID: 33153483

HUMAN RESEARCH - BIOMEDICAL RESEARCHERS & STAFF (ID 38617) - COMPLETION DATE 10-FEB-2020, EXPIRATION DATE 09-FEB-2023, RECORD ID 33953071 - [HTTPS://WWW.CITIPROGRAM.ORG/VERIFY/?W61BEE093-26D8-4B72-9022-354E77238881-33953071](https://www.citiprogram.org/verify/?W61BEE093-26D8-4B72-9022-354E77238881-33953071)

## Personal

Date and Place of Birth: June 12, 1962, Szolnok, Hungary

Marital status: Single (divorced)

Child: 1 Daughter (born March 26, 1988, Germany)

Native of Hungary and citizen of the European Union

Lawfully Admitted Permanent Resident of the United States of America: Professional holding an advanced degree and of exceptional ability" [#203 (b) a(A) of the Immigration and Nationality Act; category E26]" – May 04, 1993 – January 19, 2011

Citizen of the United States of America: January 19, 2011



**CURRICULUM VITAE**

**Carole H. Browner, Ph.D., M.P.H.**

**PERSONAL HISTORY**

**Business Contact Information**

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Office Phone (310) 794-6299  
Office Fax (310) 794-6297  
E-mail [browner@ucla.edu](mailto:browner@ucla.edu)

**Citizenship** U.S.

**EDUCATION**

<b>School</b>	<b>Date Graduated</b>	<b>Degrees</b>
The New School for Social Research	1969	B.A.
University of California, Berkeley	1972	M.A.
University of California, Berkeley	1976	Ph.D.
University of California, Berkeley	1977	M.P.H.

**LANGUAGE**

Spanish: Speak fluently; read, write well.

**PROFESSIONAL EXPERIENCE**

<b>Employer</b>	<b>Position</b>	<b>From</b>	<b>To</b>
UCLA Los Angeles, CA	Distinguished Research Professor, Professor Emerita, Departments of Psychiatry, Anthropology, and Gender Studies	2013	present
UCLA Los Angeles, CA	Director, Lemelson Anthropological Fellows and Scholars Program Department of Anthropology	2010	2013
UCLA Los Angeles, CA	Chair Department of Anthropology	2010	2013
UCLA Los Angeles, CA	Professor Department of Women's Studies	2009	2013

Columbia University New York, NY	Visiting Professor Dept. of Sociomedical Sciences School of Public Health	2004	2005
Russell Sage Foundation New York, NY	Visiting Scholar	1998	1999
Universitat Rovira I Virgili Tarragona, Spain	Visiting Professor	1999	1999
UCLA Los Angeles, CA	Professor-in-Residence Departments of Psychiatry and Anthropology	1993	2013
UCLA Los Angeles, CA	Member, Intellectual and Developmental Disabilities Research Center	1983	2013
UCLA Los Angeles, CA	Associate Professor-in- Residence, Department of Psychiatry	1987	1993
UCLA Los Angeles, CA	Assistant Professor-in- Residence, Department of Psychiatry	1983	1987
Wayne State University Detroit, MI	Associate Professor Department of Anthropology	1983	1984
Wayne State University Detroit, MI	Assistant Professor and Coordinator of M.A. Program in Medical Anthropology, Department of Anthropology	1977	1983
UC-Berkeley Berkeley, CA	Research Anthropologist Department of Anthropology	1977	1977
UC-Berkeley Berkeley, CA	Research Assistant School of Public Health	1977	1977

## FIELD RESEARCH

San Francisco, California. Analysis of ways staff mediates physician-patient interaction, 1970-71.

San Francisco, California. Factors which influence differential use of outpatient services, 1971.

San Francisco, California. Investigation of the assumption that the experience of induced abortion invariably constitutes a "life crisis." Analysis of the effects of network dissonance on individual perception of significant life events, 1972.

Cali, Colombia. Field research for Ph.D. dissertation *Poor Women's Fertility Decisions: Illegal Abortion in Cali, Colombia*. Concerns the social etiology of fertility decisions, especially the resolution of unwanted pregnancy and the decision to have an illegal abortion. The implications of differential family organization (particularly varying degrees of conjugal stability) for the major life decisions that women make, 1974-75.

Palo Alto, California. Co-director of four research projects on the impact of computerized office technology in the sales offices of a major American corporation, 1977.

Cali, Colombia. Further study of concepts of pregnancy and abortion, especially how women decide they are pregnant and actions they take once a decision is made, 1978.

Oaxaca, Mexico. Research into the use of medicinal plants by Chinantec speaking women for the management of reproduction and the treatment of reproductive health problems. Also examined the nature of gender-based power relations and the circumstances under which women in a male controlled society exercise reproductive and social autonomy, 1980-81.

Pomona, California. The use of social resources at work to reduce the impact of job stress on the health of nursing staff who care for the developmentally disabled, 1983-85.

Los Angeles and Orange Counties, California. Research on the considerations pregnant women of various ethnic groups and their male partners take into account when deciding whether to undergo prenatal diagnostic testing, 1989-99.

Southern California and South Texas. Field work on the culture and work practices of prenatal genetic service providers who provide prenatal genetic information and testing to pregnant Latinas, 1999-2003.

Southern California, Central Mexico. Field research on how neurologists, patients, and family members conceptualize and use genetic information, 2003-ongoing.

Baja California, Mexico. An investigation of the factors that promote long-term medical volunteerism, 2011-13.

Baja California, Mexico. Field and archival research on individual and systems-level barriers to care among Mexican children with congenital craniofacial defects, 2012-13.

### PROFESSIONAL ASSOCIATIONS

- Fellow, American Anthropology Association
- Fellow, Society for Applied Anthropology
- American Ethnological Study
- Society for Medical Anthropology
- Latin American Studies Association
- Society for Latin American Anthropology
- Sigma Xi
- Southern California Applied Anthropology Network
- American Association on Mental Retardation.

### SERVICE TO GOVERNMENTAL, EDUCATIONAL AND COMMUNITY AGENCIES

- Interviewer and Member of the Selections Committee. Health Sciences and Medical Education Program. University of California, Berkeley. CA, 1973-74.
- Consultant. Committee on Problems of Health and Community Development. Centro de Salud de Siloé. Cali, Colombia, 1975.
- Consultant. Dean's Committee to Redesign the Medical School Curriculum. Escuela de Medicina. Universidad del Valle, Cali, Colombia, 1975.
- Consultant to Tom Bates, California State Assembly. Environmental Pollution and Occupational Health, 1977.
- Consultant. Palo Alto Research Center. Xerox Corporation, 1977.
- Director of Research on Cultural Enrichment Programs for Methadone Maintenance Clients. Department of Health, Detroit, MI, 1979-80.
- Consultant. National Institute of Education. The Use of Ethnographic Techniques in the Study of Formal Institutions. Washington, D. C., 1979.
- Consultant. World Health Organization/Pan American Health Organization, 1980.
- Consultant. U.S. Department of Transportation & Highway Safety. Washington, D.C., 1981
- External evaluator of Doctoral Program in Medical Anthropology, School of Medicine, University of California, San Francisco, CA, 1989.
- External evaluator of Master's Degree Program in Medical Anthropology, School of Medicine, Universidad Nacional Autonoma de México, Mexico City, Mexico, 1989.
- Consultant. Dept. of Obstetrics and Gynecology, Olive View Medical Center, Sylmar, CA, 1993-.
- Founding Associate. Pacific Institute for Women's Health, Los Angeles, CA, 1993.
- Lead Anthropologist. "Ethnicity and Attitudes Towards Advance Care Directives." L. Blackhall, P. I., School of Medicine, University of Southern California, Los Angeles, CA.
- Member, Planning and Policy Committee. Pacific Institute for Women's Health, Los Angeles, CA. 1994-96.
- Consultant. "*Conceptualización social de la salud reproductiva y factores sociales que los determinan*" [Conceptualizing Reproductive Health and Social Factors Which Determine It], Norma Ojeda, P. I., Department of Gender Studies, Colegio de la Frontera, Tijuana, B. C., 1995-96.
- Consultant. "Institutional, Cultural and Psychosocial Factors Affecting Mexican-American Women's Follow-up Behaviors for Positive Pap Screening Tests," Linda M. Hunt, P. I., American Cancer Society, 1995-96, 1996-97.
- Consultant. "Patterns of Change in Reproductive Decision Making in Rural Mexico," Katherine Tolbert, Ph.D., P. I. The Population Council, Mexico City, Mexico, 1995-98.
- Member, Scientific Advisory Committee. California Birth Defects Monitoring Program, Department of Health Services, State of California, 1996-99.
- Member. International Forum for Social Sciences in Health 1996-.

- Consultant. California State Birth Defects Monitoring Program (CBDMP), 1996-.
- Consultant to the Transborder Consortium on Gender and Health on the U.S.-Mexican Border, Southwest Institute for Research on Women (SIROW), University of Arizona, Tucson, AZ, 1997-2000.
- Consultant and Member of Advisory Board. "Crossing Cultural Boundaries: An Ethnographic Study," NIMH. Cheryl Mattingly, P.I. Department of Occupational Therapy, USC, Los Angeles, CA. 1996 - 2001.
- Consultant in gender and reproductive health. La Universidad de las Regiones Autónomas de la Costa Caribe Nicaragüense (URACCAN), Puerto Cabezas, Nicaragua, 1998.
- Advisory Board. "Ethnic Folk Medicine in Los Angeles," National Endowment for the Humanities. Michael Owen Jones, P. I., Program in Folklore, UCLA, 2000-03.
- Advisory Board. "Boundary Crossings: An Ethnographic and Longitudinal Study," NIMH. Mary Lawler and Cheryl Mattingly, Co-P.I.s. Department of Occupational Therapy, USC, Los Angeles, CA. 2000-05.
- Consultant. "Reducing Cultural Barriers to the Provision of Genetic Service in South Texas," C. I. Kaye, M. C. Aguilar, and M. L. Urdaneta, Co-P.Is., University of Texas Health Science Center, San Antonio, 2000.
- Interviewer, Robert Wood Johnson Clinical Scholar Program, UCLA, 2001.
- Member, Multidisciplinary Sexual Health Curriculum Committee, Dept. of Urology, UCLA, 2001-2013.
- Member, Advisory Board, Foundation for Psycho-Cultural Research, Pacific Palisades, CA, 2000-present.
- Consultant to Russell Sage Foundation Program on Cultural Contact, 2001.
- Consultant, "Fixing Men: Negotiating Reproductive Health and Sexuality," Matthew Gutmann, P. I., NEH, 2001-02.
- Steering Committee, Special Grants Program on Migration and Health, California Policy Research Center, Office of the President of the University of California, 2001-
- Advisor, Sexuality Research Fellowship Program, Social Science Research Council, 2002-.
- Consultant, "Barriers to Treatment for Children Born with *Spina Bifida* in Guatemala City, Guatemala," Dr. Julio Lazaroff, Neurosurgery, ULCA, 2002, 2007.
- Consultant, "Assessment of the use of anthropological methods to study the adaptive behavior of the mentally retarded people at the Colonia Manuel Montes de Oca, Provincia de Buenos Aires, Argentina," Silvia Balzano, P. I., Argentine National Council for Research on Science and Technology (CONICET).
- Consultant to UCLA Pharmacogenetics and Pharmacogenomics Research Group, 2004-
- Consultant and Member of Advisory Board. "Boundary Crossing: Re-situating Cultural Competence" NIMH. Cheryl Mattingly, P.I. Department of Occupational Therapy, USC, Los Angeles, CA. 2005-2008.
- Program Committee, FPR-UCLA 3<sup>rd</sup> Interdisciplinary Conference: Seven Dimensions of Emotion, 2006.
- Consultant, NIH National Center on Minority Health and Health Disparities Program, 2006.
- Program Committee, FPR-UCLA 4<sup>th</sup> Interdisciplinary Conference: Cultural and Biological Contexts of Psychiatric Disorder, 2008-09.
- Faculty Mentor, Washington State University NSF ADVANCE Program, 2011-12.
- Founder and Director, Lemelson Anthropological Scholars Program, UCLA, 2011-13.
- Steering Committee, Bixby Center for Population and Reproductive Health, UCLA.
- Program Committee, FPR-UCLA 5<sup>th</sup> Interdisciplinary Conference: The Emerging Neuroscience of Sex and Gender, 2013-15.

- *Socia*, Profesores del Grupo Ampliado en el Posgrado en Socio-Medicina de la Universidad de Guadalajara 2017-
- Committee Member, Facultad de Filosofía, Universidad Autónoma de Querétaro, Santiago de Querétaro, México, 2020.
- External Examiner, Department of Anthropology, The School of Graduate Studies, University of Toronto, 2021.

## REVIEWER FOR FUNDING AGENCIES

- Review Panel for Behavioral and Neural Sciences (Social/Cultural Anthropology), National Science Foundation, 1987-89.
- Review Panel, U. S. Department of Education Talent Search Program, 1994.
- Occasional grant reviews for the National Science Foundation, the World Health Organization, the Wenner-Gren Foundation for Anthropological Research, March of Dimes, Social Sciences and Humanities Research Council of Canada, Russell Sage Foundation, Foundation for Psycho-Cultural Research, Israel Science Foundation.
- Review Panel, Ethical, Legal, and Social Issues, Center for Human Genome Research, NIH, 2002.
- *Ad hoc* Review Panel, NIH Challenge Grants for Health and Science Research, 2009.
- *Ad hoc* Review Panel, NIH Grants for Health and Science Research, 2010.
- Proposal Review Panel, The Center of Expertise in Women's Health and Empowerment, University of California, 2011.
- *Ad hoc* proposal reviewer, The Russell Sage Foundation, 2011.
- Member, NIH Study Section, Fellowships: Risk, Health, and Healthcare, 2012.
- External Evaluator, The Spinoza Prize, Netherlands Organization for Scientific Research, 2012.
- External Reviewer, South African National Research Foundation, 2015.
- External Reviewer for promotion and tenure, Northwestern University, 2015.
- External Reviewer, The Marsden Fund, Royal Society Te Apārangi, New Zealand, 2017.
- External Evaluator, South African National Research Foundation, 2017.

## SERVICE TO PROFESSIONAL AND SCHOLARLY SOCIETIES

### Editorial

- Editorial Board, *Women in International Development*, 1981-82.
- Editorial Board, *Medical Anthropology Quarterly*, 1992-94, 1999-02
- Editorial Board. *Encyclopedia of Medical Anthropology* (3 volumes), Melvin and Carol Ember, eds. Kluwer Academic/Plenum, 2000.
- Editorial Board, *Anthropology of Work Review*, 2002-
- Editor, Invited theme issue on "The Social Production of Health: Critical Contributions from Evolutionary, Biological, and Socio-cultural Anthropology," *Social Science and Medicine* 61(4):745-878, 2005.

### *Ad hoc* manuscript reviews, periodicals

*American Anthropologist, American Ethnologist, Anthropological Quarterly, Central Issues in Anthropology, Human Organization, Feminist Studies, Women in International Development, Social Science and Medicine, Ethos, Current Anthropology, Urban Anthropology, Medical Anthropology, Medical Anthropology Quarterly, Bulletin of Latin American Research, Gender and Society, Frontiers, Health Policy and Planning, Culture, Medicine, and Psychiatry, Journal of Ethnobiology, Food and*

*Foodways, Women and Health, American Behavioral Scientist, Daedalus, Community Genetics, Journal of Genetic Counseling, Atlantis: A Women's Studies Journal, Revu d'Etudes sur les femmes, Meridians: Feminism, Race, Transnationalism, American Journal of Medical Genetics, Hastings Center Report, Fertility and Sterility, New Genetics and Society, Transcultural Psychiatry, Body and Society, Latino Studies, Sexuality Research and Social Policy, Journal of Middle Eastern Women's Studies, Family Relations, Prenatal Diagnosis, Anthropology & Medicine, Culture, Health and Sexuality, Journal of JMEWS: Middle Eastern Women's Studies, BioSocieties, PLOS ONE, Einstein Journal of Biology and Medicine, Reproductive Health Matters, International Journal of Masculinity Studies, Reproductive Biomedicine and Society.*

**Ad hoc manuscript reviews, presses**

University of Texas Press, University of Pennsylvania Press, Princeton University Press, SUNY Press, Routledge, Oxford University Press, Cambridge University Press, University of Minnesota Press, Sage Publishers, Rutgers University Press, Haworth Press, *El Colegio de la Frontera del Norte*, Greenwood Publishing Group, University of California Press, University of New Mexico Press, Alta Mira Press, Indiana University Press, University of Michigan Press, Duke University Press, Rowman & Littlefield, Yale University Press, Columbia University Press, Wiley-Blackwell, Left Coast Press, HarperCollins, Berghahn, Palgrave Macmillan, University of Alabama Press, Stanford University Press, Polity Press, Vanderbilt University Press.

**Other Service (selected)**

- Committee to Investigate the Feasibility of Certifying Master's Degree Programs in Applied Anthropology. Society for Applied Anthropology, 1979.
- Committee on the Status of Women in Anthropology. American Anthropological Association, 1980-83.
- Nominations Committee, Society for Medical Anthropology, 1986.
- Rivers Student Prize Committee, Society for Medical Anthropology, 1986.
- Elected to Nominations and Elections Committee, Society for Applied Anthropology, 1987-89.
- Program Committee, Annual Meeting of the Society for Applied Anthropology, Tampa, FL, 1987.
- Program Chair, 1988 Annual Meeting of the Society for Medical Anthropology, Phoenix, AZ, 1987.
- Elected to Executive Board, Society for Medical Anthropology, 1987-90.
- Chair, Nominations and Elections Committee, Society for Applied Anthropology, 1988-89.
- Elected to Executive Board, Society for Latin American Anthropology, 1988-91.
- Review Panel for *Practicing Anthropology*, Society for Applied Anthropology, 1989.
- Program Chair, Luncheon and Wine and Cheese Roundtable Discussions, Annual Meeting of the Society of Medical Anthropology, Washington, D.C., 1989.
- Chair, Nominations and Elections Committee, Society for Latin American Anthropology, 1989.
- Program Chair, Roundtable Wine and Cheese and Luncheon Discussions, Annual Meeting of the Society of Medical Anthropology, New Orleans, LA, 1990.
- Program Chair, Roundtable Luncheon Discussions, Annual Meeting of the Society of Latin American Anthropology, New Orleans, LA, 1990.
- Appointed to Executive Board, Society for Medical Anthropology, 1990-91.
- Program Committee, Annual Meeting of the Society for Applied Anthropology, Charleston, SC, 1991.
- Program Chair, 1992 Annual Meeting of the Society for Latin American Anthropology, Chicago, IL, 1991.

- Program Committee, 1992 American Ethnological Society, Chicago, IL, 1991.
- Chair, Publications Committee, Society for Medical Anthropology, 1991-92.
- Eileen Basker Award Committee, Society for Medical Anthropology, 1993.
- Program Committee, Annual Meeting of the American Ethnological Society, Santa Monica, CA, 1994.
- Eileen Basker Award Committee, Society for Medical Anthropology, 1994.
- Elected to Executive Board, Society for Applied Anthropology, 1994-97.
- President Elect, Society for Medical Anthropology, 1994-95.
- Chair, Membership Committee, Society for Medical Anthropology, 1995-98.
- Liaison, Interorganizational Committee, Society for Applied Anthropology and Society for Medical Anthropology, 1995-98.
- Chair, Nominations and Elections Committee, Society for Medical Anthropology, 1994.
- President, Society for Medical Anthropology, 1995-97.
- Executive Board, American Anthropological Association, 1995-96.
- Chair, Administrative Advisory Committee, American Anthropological Association, Search Committee, Executive Director of American Anthropological Association, 1996.
- Program Committee, Plenary Session for 1<sup>st</sup> Independent Meeting of the Society for Medical Anthropology, San Francisco, CA, 2000.
- Executive Program Committee, Annual Meeting of the American Anthropological Association, San Francisco, CA, 2000.
- External Reviewer for promotion and tenure, Simon Fraser University, 2004.
- External Reviewer for promotion, Brown University, 2004
- External Reviewer for promotion and tenure, University of California, San Francisco, 2005.
- External Reviewer for promotion, Wayne State University, 2005.
- External Reviewer for promotion, National Taiwan University, 2006.
- External Reviewer for promotion and tenure, University of California, Santa Barbara, 2006.
- External Reviewer for promotion and tenure, University of Haifa, 2006.
- External Reviewer for promotion and tenure, Ohio State University, 2006.
- External Reviewer for promotion, Rice University, 2008.
- External Reviewer for promotion and tenure, University of California, Riverside, 2011.
- New Millennium Book Award Committee, Society for Medical Anthropology, 2008, 2009, 2011, 2013.
- MASA Dissertation Award Committee, Society for Medical Anthropology, 2009.
- Chair, Search Committee for Editor-in-Chief, *Medical Anthropology Quarterly*, 2009.
- External Reviewer for promotion and tenure, Rutgers University, 2009
- External Reviewer for promotion and tenure, Bryn Mawr College, 2009.
- Organizing Committee, “Gender, Art, and Social Movements in the Middle East and Global South,” UCLA, November 28<sup>th</sup>, 2011.
- New Millennium Book Award Committee, Society for Medical Anthropology, 2011.
- Organizing Committee, Conference on Culture, Mind, and Brain: Emerging Concepts, Methods, Applications. Foundation for Psychocultural Research, UCLA, 2012.
- External Reviewer for promotion and tenure, Simon Fraser University, 2012.
- External Reviewer, Kagawa Singer M, Dressler WW, George SM, Elwood WN. *The Cultural Framework for Health: An Integrative Approach for Research, Program Design and Evaluation*.
- External Reviewer for promotion and tenure, Notre Dame University, 2013.
- External Reviewer for promotion to Distinguished Professor, The Graduate Center, CUNY, 2013.
- External Reviewer for promotion, University of Michigan, 2013.
- External Reviewer for promotion, University of Chicago, 2014.
- NIH Office of Behavioral and Social Science Research, 2015.
- External Reviewer for promotion, Notre Dame University, 2017.

- External Reviewer, Netherlands Institute for Advanced Study in the Humanities and Social Sciences, 2015.
- External Reviewer for promotion and tenure, Gonzaga University, Spokane, WA, 2019
- External Reviewer for promotion and tenure, Rutgers University, 2019.
- External Reviewer for promotion and tenure, Northwestern University, 2019.
- External Reviewer for promotion and tenure, University of Texas, El Paso, 2020.
- Nominations Committee (*ad hoc*), Society for Medical Anthropology, 2020.
- External Reviewer for promotion and tenure, Oregon State University, Portland, 2020.
- External Reviewer for promotion and tenure, University of Texas, El Paso, 2020.

#### HONORS AND AWARDS

- Outstanding Graduate Student Teaching Award, Dept. of Psychiatry and Biobehavioral Sciences, UCLA, 2001.
- Outstanding Research Mentor Award, Dept. of Psychiatry and Biobehavioral Sciences, UCLA, 2003.
- Medical Anthropology Student Association MASA Mentoring Award, Society for Medical Anthropology, 2009.
- Society for Medical Anthropology Eileen Basker Memorial Award for Studies in Gender and Health for Browner and Sargent, eds. *Reproduction, Globalization and the State: New Theoretical and Ethnographic Perspectives*, Duke University Press, 2012.
- Council for Anthropology and Reproduction Award for Most Significant Edited Collection for Browner and Sargent, eds. *Reproduction, Globalization and the State: New Theoretical and Ethnographic Perspectives*, Duke University Press, 2012.
- Distinguished Member, American Anthropological Association, 2019.
- Loyalty Society, American Anthropological Association, 2020.

#### MAJOR GRANT SUPPORT

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|---------|--|
| 1980-83 | Sociocultural and Pharmacological Dimensions of Women's Reproductive Medicine (NSF BNS80-16431), Carole H. Browner, Principal Investigator, \$51,520 direct costs.   |
| 1988-94 | Decisions about the Use of Prenatal Diagnostic Testing by Mexican-American and Non-Hispanic White Women (NICHD ND11944), Carole H. Browner, Key Investigator, \$432,534 direct costs.  |
| 1994-96 | The Context and Meaning of Reproductive Decision Making among Inner City Hispanic/Latino Couples (Contraceptive Research and Development Program, CONRAD/CDC), Carole H. Browner, Co-Principal Investigator, \$200,386 direct costs. |
| 1995-96 | Building Across Borders: A Proposal to Establish a Transborder Consortium for Research and Action on the Mexican-United States Border. (MacArthur and Ford Foundations), Carole H. Browner, Co-Investigator. \$125,226 direct costs. |
| 1995-98 | Use of Amniocentesis by Mexicans and Mexican-Americans, (NIH 1 RO1 HD31618-01), Carole H. Browner, Principal Investigator, \$431,790 direct costs.   |

- 1995-98 Access to Care for Homeless Women of Reproductive Age, Carole H. Browner, Co-Principal Investigator (AHRP H508323-01), \$1,761,831 direct costs.
- 1999-2001 Partnering for Tobacco Control Research Among Deaf Youth (Tobacco-Related Diseases Research Program 8BT-1701), Carole H. Browner, Co-Principal Investigator, \$75,000 direct costs.
- 1999-2003 Genetic Counseling Strategies with Mexican-origin Women, (NIH 1 RO1 HG01384-04), Carole H. Browner, Principal Investigator, \$911,584 direct costs.
- 2001-2004 Community Consultation and Haplotype Mapping in Mexican Americans (NIH R03 HG02500-01-S01), Carole H. Browner, Co-Investigator, \$112,260 direct costs.
- 2003-2007 Use of Genetics in Neurologists' Clinical Practices (NIH 1 RO1 HG003228-01), Carole H. Browner, Principal Investigator, \$915,923 direct costs.
- 2013-2015 Establishing Infrastructure for Prevention of Familial Alzheimer Disease in Mexico (NIH Fogerty International Center R21 TW009787-01), Carole H. Browner, Co-Investigator, \$113,000 direct costs.

**OTHER GRANT SUPPORT**

- 1972-75 National Institute for General Medical Sciences Traineeship.
- 1974-76 Predoctoral Training Grant. International Center for Medical Research, Tulane University School of Medicine.
- 1977a Committee on Teaching Minigrant for Instructional Improvement. University of California, Berkeley.
- 1977b Committee on Teaching Minigrant for Instructional Improvement. University of California, Berkeley.
- 1978 Faculty Research Award, Wayne State University.
- 1980 American Philosophical Society Research Award.
- 1980-82 National Institute of Health Postdoctoral Training Fellowship to study population policy and demography (declined).
- 1980-82 Wenner-Gren Foundation for Anthropological Research.
- 1982 American Council of Learned Societies. Travel Grant.
- 1984-85 Committee on Research of the Academic Senate, UCLA. Research Award.
- 1985-86 UC-MEXUS. Research Award.
- 1987-88 UCLA Program on Mexico. Research Award.
- 1988-89 Committee on Research of the Academic Senate, UCLA. Research Award.
- 1988-89 Chicano Studies Research Center, UCLA. Research Award.
- 1994-95 UCLA Center for the Study of Women. Research Award.
- 1994-95 UC-MEXUS. Research Award.
- 1996-97 Committee on Research of the Academic Senate, UCLA. Research Award.
- 2006 Wenner-Gren Foundation for Anthropological Research.
- 2006 Rockefeller Foundation Bellagio Program.
- 2009 Committee on Research of the Academic Senate, UCLA, Research Award.
- 2011 UCLA Dental School Seed Grant.

## LECTURES AND PRESENTATIONS

### Selected Lectures

- Kresge College, University of California, Santa Cruz, California, 1975.
- Department of Anthropology, Cornell University, Ithaca, NY, 1976.
- Program in Medical Anthropology. University of California School of Medicine. San Francisco, CA, 1976.
- Department of Anthropology and Women's Studies Program, Indiana University, Bloomington, IN, 1977.
- Department of Anthropology, Memphis State University, Memphis, TN, 1977.
- Department of Anthropology, Southern Methodist University, Dallas, TX, 1979.
- Women's International Film Festival. Wayne State University, Detroit, MI, 1980.
- Center for Population Planning. School of Public Health. University of Michigan, Ann Arbor, MI, 1980.
- Department of Anthropology. Michigan State University, East Lansing, MI, 1981.
- *Servicios Coordinados de la Salud del Estado de Oaxaca* (Oaxacan Government Coordinated Health Services) District of Ixtlán, Oaxaca, Mexico, 1981.
- Department of Anthropology. University of Wisconsin, Kenosha, WI, 1983.
- Department of Anthropology. California State Polytechnic, University, Pomona, CA, 1984.
- Program in Continuing Medical Education, Lanterman State, Hospital, Pomona, CA, 1985.
- School of Social Ecology, University of California, Irvine, CA, 1985.
- Women, Health and Healing Summer Institute, University of California, San Francisco, CA, 1985.
- Women's Studies Program and Department of Anthropology, Southern Methodist University, Dallas, TX, 1987.
- Mount Saint Mary's College, Los Angeles, CA, 1987.
- Department of Anthropology, University of Leiden, Leiden, The Netherlands, 1987.
- Program in Social Relations, University of California, Irvine, 1988.
- Department of Anthropology and Women's Studies Program, University of California, Irvine, CA, 1991.
- Departament de Geografia, Història i Filosofia, Universitat de Barcelona, Camp de Tarragona, Spain, 1992.
- Centre d'Investigació Històrica de la Dona, Universitat de Barcelona, Spain, 1992.
- Departament d'Antropologia de la Facultat de Geografia i Història, Universitat de Barcelona, Spain, 1992.
- Antigone: Institute for Feminist Psychology, Barcelona, Spain, 1992.
- Prolèg Feminist Cultural Institute, Barcelona, Spain, 1992.
- Department of Anthropology, UC-Irvine, Irvine, CA, 1993.
- California Medical Association, UCI Student Chapter, Irvine, CA, 1993.
- Anthropology Club, Southern Methodist University, Dallas, TX, 1994.
- Symposium on Gender Issues in Science, Technology, and Medicine. Program in the Cultural Studies of Medicine and Science, UCLA, 1994.
- Workshop on Qualitative Research Methods, Department of Gender Studies, Colegio de la Frontera, Tijuana, B. C., 1995, 1996.
- Dept. of Anthropology and College of Nursing, University of Colorado, Denver, CO 1997.
- Leadership Seminar, Annual Meeting of the Society for Applied Anthropology, Seattle, WA, 1997.
- Faculty Development Workshop in Ethnomedical Sciences. Drew Medical School, Los Angeles, CA, 1998.

- *I Jornadas Internacionales de Antropología Médica*, Universidad de Guadalajara, Guadalajara, Mexico, 1998.
- Russell Sage Foundation, New York, NY, 1999.
- Metropolitan Medical Anthropology Association, Graduate Center, CUNY, 1999.
- Latino Mental Health Research Group, UCLA, 2000.
- Dept. of Anthropology, University of Iowa, Iowa City, IA, 2000.
- Program in Demography, Colegio de la Frontera de Baja California, Tijuana, B. C., 2000.
- Workshop in Research Methods, Instituto de Programas de Estudios sobre Epidemiología Psiquiátrica (PEPSI), National Counsel for Research on Science and Technology (CONICET), Buenos Aires, Argentina, 2003.
- Dept. of Educational Psychology and Counseling, California State University, Northridge, CA, 2004.
- Dept. of Socio-medical Sciences, School of Public Health, Columbia University, New York, NY, 2004.
- Dept. of Anthropology and Program in Demography, Brown University, Providence, RI, 2004.
- Depts. of Anthropology and Women's Studies, Mt. Holyoke College, S. Hadley, MA, 2004.
- Reproductive Politics Study Group, Hampshire College, Amherst, MA, 2004.
- Series on "Science, Society 'n You," Occidental College, Los Angeles, CA, 2006
- Interdisciplinary Relationship Sciences Program, UCLA, 2008.
- MSTs (Medical Anthropology & Science and Technology Studies) Emergent Intersections, Unexpected Syntheses, University of California, Irvine, 2010.
- Going the Anthropological Mile: What Dedicated Mentors Have to Say to Students of Anthropology. Invited Roundtable, Society for Medical Anthropology, Annual Meeting of the American Anthropological Association, New Orleans, LA, 2010.
- Dept. of Anthropology, Vanderbilt University, Nashville, TN, 2011.
- Mind, Medicine and Culture, Department of Anthropology, UCLA, 2012.
- Institute for Society and Genetics, UCLA, 2012.
- Unidad en Medicina Social y Servicios de Salud, Escuela de Medicina, Universidad de Guadalajara, Guadalajara, MX, 2014.
- Unidad en Medicina Social y Servicios de Salud, Escuela de Medicina, Universidad de Guadalajara, Guadalajara, MX, 2017.
- Unidad en Medicina Social y Servicios de Salud, Escuela de Medicina, Universidad de Guadalajara, Guadalajara, MX, 2021.

### **Presentations**

- 1974      Abortion as a Life Crisis. *Annual Meeting of the American Anthropological Association*. New Orleans, LA.
- 1976      The Failure of Reform: Community Development and the Limits of Technical Assistance. *Annual Meeting of the Southwestern Anthropology Association*. San Francisco, CA.
- 1976      Female Masochism Reconsidered: The Virgin Mary as Economic Woman, CHB and E. Lewin). Invited paper presented in symposium "Social Structure, Ideology, and Women's Choices." *Annual Meeting of the American Anthropological Association*. Washington, D.C.
- 1977      Folk Concepts of Pregnancy and Abortion in Cali, Colombia. *Joint Annual Meetings of the Society for Applied Anthropology, Southwestern Anthropology Association*. San Diego, CA.

- 1978 Perspectives and New Directions for Corporation Anthropology, (CHB and M. Chibnik). Presented in symposium "Innocents at Home: American Anthropologists Study American Institutions." *Annual Meeting of the American Anthropological Association*. Los Angeles.
- 1978 White Collar Anthropology: Field Research in Corporate America, (CHB and M. Chibnik). *Annual Meeting of the Society for Applied Anthropology*. Merida, Yucatan, Mexico.
- 1979 Couvade in the City: Evidence for Male Pregnancy in Cali, Colombia. *Annual Meeting of the American Anthropological Association*. Cincinnati, OH.
- 1979 Traditional and Modern Techniques for Diagnosis, Treatment and Control of Fertility in Cali, Colombia. Invited paper presented in symposium "Traditional Medicine as an Alternative in Latin America." *43rd International Congress of Americanists*. Vancouver, B.C.
- 1980 Riding the Corporate Roller Coaster: Management Strategies to Control Office Productivity. Invited paper presented at an interdisciplinary conference on "The Exercise of Power in Complex Organizations." *Wenner-Gren Foundation for Anthropological Research*. Burg Warstein, Austria.
- 1980 Machismo, Sympathetic Pregnancy and Changing Men's Roles in Urban Colombia. Invited paper presented to the *Annual Meeting of the Michigan Academy of Science, Arts and Letters*. Detroit, MI.
- 1980 Gender Role Ambiguity in the Mexican Fotonovela, (J. Hill and CHB). *Annual Meeting of the Popular Culture Association*. Detroit, MI.
- 1982 Medicinal Plant Use in a Highland Oaxaca Village, (G. Martin and CHB). *Fifth Annual Ethnobiology Conference*. San Diego, CA.
- 1982 The Personal as Political: Women's Role in the Incorporation of an Indigenous Community into Mexican National Society. Invited paper presented in symposium "Pressure and Counter Pressure: Interaction between State and Local Levels in Highland Mexico." *44th International Congress of Americanists*. Manchester, England.
- 1982 Women's Understandings about Reproductive Physiology and their Choice of Herbal Medicines in Cali, Colombia. *Women, Health, and International Development*. M. Aguwa, organizer. Michigan State University, E. Lansing.
- 1983 Herbal Emmenagogues Used by Women in Mexico and Colombia, (CHB and B. Ortiz de Montellano). Invited paper presented at the *Annual Meeting of the Michigan Academy of Science, Arts and Letters*. Ypsilanti, MI.
- 1983 The Sexual Politics of Reproduction in a Mexican Village. Invited paper presented in symposium "Reproduction and the Cultural Construction of Gender." *Annual Meeting of the American Anthropological Association*. Chicago, IL.
- 1983 Remedies for Reproductive Health and Their Implications for Humoral Medicine, (CHB and B. Ortiz de Montellano). Invited paper in symposium "Recent Anthropological Advances in Health and Ethnomedicine among Hispanics." *Annual Meeting of the American Anthro. Assn.* Chicago, IL.

- 1985 Women, Household, and Health. Invited paper presented at Social Science Research Council Conference on *The Political Economy of Health and Disease*, Toluca, Mexico
- 1985 Issues in the Study of Household Health. Invited paper presented in symposium on "The Political Economy of Health in Latin America." *XIII International Conference of the Latin American Studies Association*. Albuquerque, NM.
- 1985 Social and Cultural Aspects of the Childbearing Decision. Invited paper presented at conference on *Childbearing: Tradition and Decision*. The Oklahoma Council on the Humanities and the Planned Parenthood Federation of Tulsa.
- 1985 Enseñanzas que derivan del uso de yerbas medicinales en Oaxaca, in symposium "What Biomedicine can learn from Traditional Medicine." Mexico (CHB and B. Ortiz de Montellano). Invited paper presented at *45th International Congress of Americanists*. Bogotá, Colombia.
- 1985 Women's Secrets: Knowledge of Plants for Reproduction in Oaxaca, Mexico (CHB and S. Perdue). Invited paper presented in symposium "Cross-Cultural Perspectives on Women in Health Care." *Annual Meeting of the American Anthropological Association*. Washington, D.C.
- 1986 The Management of Reproduction in an Egalitarian Society. Invited paper presented in symposium, "Knowledge and Power in the Management of Reproduction." *Joint Meeting of the American Ethnological Society, the Southern Anthropological Society and the Society for Medical Anthropology*. Wrightsville Beach, NC.
- 1986 A New Methodology for Medical Anthropology (CHB, B. Ortiz de Montellano and A. J. Rubel). Invited discussion paper presented in invited symposium on "Latin American Medical Anthropology" sponsored by the Society for Medical Anthropology and the Society for Latin American Anthropology. *Annual Meeting of the American Anthropological Association*. Philadelphia, PA.
- 1987 Production, Reproduction and Women's Health: A Case Study from Oaxaca, Mexico. Invited paper presented in symposium "Health in Mexico." *Annual Meeting of the Society for Applied Anthropology*. Oaxaca, Mexico.
- 1987 Work and Women's Health: The Role of Job-Based Social Support. Paper presented at conference on Women at Work, UCLA, Los Angeles, CA.
- 1988 Prenatal Care for Latino Women. Invited paper presented at conference on Clinical and Cultural Dimensions in Health Care Delivery to Chicano/Latino Patients. International Chicano Studies Program. University of California, Irvine, CA.
- 1988 Hypoglycemia: Portrait of a Popular Diagnosis in Use (L. M. Hunt and CHB). Paper presented at *Annual Meeting of American Anthropological Association*. Phoenix, AZ.
- 1988 Knowledge, Power, and Reproduction: A Study of Economic and Social Change in Rural Mexico. Invited paper presented in symposium "Gender Hierarchy and Economic Change in Mexico." *Annual Meeting of the American Anthropological Association*. Phoenix, AZ.

- 1989 American Women and the Medicalization of Childbirth. Invited paper presented in special AES invited symposium "Author Meets Critics: Emily Martin and Cultural Construction of Scientific Knowledge." *Annual Meeting of the American Anthropological Association*. Washington, D.C.
- 1990 Medical Anthropological Perspectives on Prenatal Care for California Hispanics. Invited paper presented at *Annual Meeting of the California Medical Association*. Anaheim, CA.
- 1990 Women's Economic Roles in a Highland Chinantec Community. Invited paper presented at Meeting of the Society for Women Geographers, Los Angeles, CA.
- 1990 Crisis in Prenatal Care for Poor Latinas: A Medical Anthropological Perspective. Invited paper presented in symposium "Medical Anthropological Research in the Southwest." *Annual Meeting of the Southwest Anthropology Association*. Long Beach, CA.
- 1990 Women's Therapeutic Herbal Knowledge: Key to Development? Invitational Conference on Tropical Ethnomedicine. The Esalen Institute, Big Sur, CA.
- 1990 Intracultural Variation in Therapeutic Knowledge. Paper presented at *Annual Meeting of the American Anthropological Association*. New Orleans, LA.
- 1990 The Politics of Disclosure in Prenatal Diagnostic Testing (N. Press and CHB). Invited paper presented in invited symposium on "The Human Body and the Body Politic: Exploring the Role of Western Medicine in the Maintenance of Social Control." *Annual Meeting of the American Anthropological Association*. New Orleans, LA.
- 1991 The Normalization of Prenatal Screening: Women's Acquiescence to the Alpha Feto-Protein Blood Test, (CHB and N. Press). Invited paper presented at conference on "The Politics of Reproduction." *Wenner-Gren Foundation for Anthropological Research*, Teresópolis, Brazil.
- 1991 "Collective Fictions": Similarities in Reasons for Accepting MSAFP Screening Among Women of Diverse Ethnic and Social Class Backgrounds (N. Press and CHB). Invited paper presented at the *National Institutes of Health Working Group "Reproductive Genetic Testing: Impact on Women."* Bethesda, MD.
- 1992 "It's Just a Simple Blood Test": What Women's Acceptance of MSAFP-Testing Can Tell Us About the Human Genome Project (N. Press and CHB). Invited paper presented at the Hastings Center Genetics Project Meeting, Northridge.
- 1992 *La salud prenatal: un enfoque metodológico*. Invited presentation at *Reunión Internacional Sobre la Antropología de la Salud*. Tarragona, Spain.
- 1992 Policy Issues in Maternal Serum Alpha-Feto Protein Screening: The View from California (N. Press and CHB). Invited paper for Meeting on Assessing Genetic Risks, Institute of Medicine, National Academy of Sciences, Irvine, CA.
- 1992 Patient Culture, Provider Culture, Biomedical Culture: Patterns of Informed Consent for Prenatal Testing in a Multicultural Setting (N. Press and CHB). Invited paper presented at *Annual Meeting of the International Society of Nurses in Genetics*. San Francisco, CA.

- 1992 Population Screening for Genetic Diseases (N. Press and CHB). Invited paper presented at *Human Genetics and Genome Analysis Workshop*. Cold Spring Harbor Laboratory, Cold Spring Harbor, NY.
- 1993 Cultural Factors in Communicating Genetic Risk. Invited plenary address at *Joint Annual Meeting of the Great Lakes Regional Genetics Group, the Great Plains Regional Genetics Society and the Great Plains Genetics Service Network*. Minneapolis, MN.
- 1993 Cultural Issues in the Use of Genetic Information (N. Press and CHB). Paper presented at conference "Charting the Genome: Implications of Genetic Technology for Health Care Practitioners in the 1990s." Pacific Center for Health Policy and Ethics, Los Angeles, CA.
- 1993 Genetic Screening to Identify Affected Fetuses. Paper presented at conference "Charting the Genome: Implications of Genetic Technology for Health Care Practitioners in the 1990s." Pacific Center for Health Policy and Ethics, Los Angeles, CA.
- 1993 Informed Consent for Prenatal Testing (N. Press and CHB). Invited paper presented in the symposium "Women's and Consumers' Issues in Teratology and Genetics." *Annual Meeting of the Teratology Society*. Tucson, AZ.
- 1993 The Medicalization of Pregnancy and Women's Resistance to It. Invited paper presented at "The Intersections of Science, Gender and Ethnicity." Swarthmore College, Swarthmore, PA.
- 1993 The Production of Authoritative Knowledge in Prenatal Care (CHB and N. Press). Invited paper presented in invited symposium "Rationality in the Real World: Varieties of Medical Reasoning in Medical Anthropology." *Annual Meeting of the American Anthropological Association*. Washington, D. C.
- 1993 How Prenatal Diagnostic Testing for Disability of Transforming the Foundational Meanings of Reproduction in America (N. Press, CHB, and B. C. LeMaster). Invited paper presented in invited symposium on "Reproducing Reproduction." *Annual Meetings of the American Anthropological Association*. Washington, D. C.
- 1994 The Role of American Women in Medicalization and the Circumstances of their Resistance (CHB and E. K. Abel). Invited paper presented in invited symposium on "Women and Biopower: What Constitutes Resistance?" *Annual Meeting of the American Ethnological Society*. Santa Monica, CA.
- 1994 Research Contributions by Medical Anthropologists to Oaxacan Studies (A. J. Rubel and CHB). Invited paper presented at Workshop and Symposium on "Advances in Oaxacan Anthropology." Welte Institute for Anthropology, Oaxaca, Mexico.
- 1994 What Meanings Do Prenatal Technologies Hold for Pregnant American Women (N. A. Press and CHB). Invited paper presented in panel on the "Cultural Constructions of Abortion, Contraception, Prenatal, and Postnatal Care." *Annual Meeting of the Society for the Social Studies of Science, the History of Science Society and the Philosophy of Science Association*. New Orleans, LA.

- 1994 Cultural Models and Individual Choices: Why Some Pregnant Women Refuse the Offer of Medical Information (N. A. Press and CHB). Invited paper presented in symposium on "Models in Cultural Anthropology." *Annual Meeting of the American Anthropology Association*. Atlanta, GA.
- 1994 Gender Politics and Reproduction. Department of Anthropology Colloquium, UCLA, Los Angeles, CA.
- 1995 Prenatal Diagnosis: Women's Visions and Medical Images (CHB and N. A. Press). Paper presented in workshop sponsored by the UCLA Center for Cultural Studies of Science, Technology and Medicine. Los Angeles, CA.
- 1995 When Pregnant Women Follow Medical Advice and When They Don't. Symposium on "Putting Health in Its Place." Department of Geography, University of Southern California, Los Angeles, CA.
- 1995 Women's Selective Compliance with Biomedical Authority and the Uses of Subjugated Knowledge (E K. Abel and CHB). Feminist Research Seminar, Center for the Study of Women, UCLA.
- 1995 The Context and Meaning of Reproductive Decision-Making among Inner City Latino Couples (M. Harvey, L. Beckman, CHB, S. Balzano). Behavioral Research and Evaluation Program Targeting Communities of Color (BREPTCC) Conference, CDC, Atlanta, GA.
- 1995 Preserving Ethnic Identity in Collaborative Community Research (M. Harvey, L. Beckman, CHB, S. Balzano). *Annual Meeting of the Society for Applied Anthropology*. Albuquerque, NM.
- 1995 Reproductive Decision-Making in Latino Couples: Issues in Community-Based Research (M. Harvey, L. Beckman, CHB, S. Balzano). Psychosocial Workshop at *Annual Meeting of the Population Association of America*. San Francisco, CA.
- 1995 A Community-Based Study of Latino Couples' Decisions about Use of Condoms. (L. Beckman, M. Harvey, CHB, S. Balzano) Paper presented at *Annual Meeting of the American Psychological Association*. New York, NY.
- 1995 Heterosexual Relationships and Reproductive-Decision-Making Among Inner-City Latino Couples (M. Harvey, L. Beckman, CHB, S. Balzano). Presented at *Annual Meeting of American Public Health Association*. San Diego, CA.
- 1995 Mexican Couples' Experiences with Prenatal Diagnosis (CHB and H. M. Preloran). Invited paper presented at University of California Conference to Highlight Research and Policy Initiatives in Chicano/Latino Topics, University of California, Riverside, Riverside, CA.
- 1995 Feeding the Fetus: The Dietary Practices of Pregnant Women and the Politics of "Fetal Personhood," (S. Markens, CHB, N. Press). Invited paper presented in symposium on "Feminist Perspectives on Food and Body in Reproduction." *Annual Meeting of the American Anthropological Association*. Washington, D.C.

- 1995 Women's Roles, Gender Ideologies, and Health. Southwest Institute for Research on Women, University of Arizona, Tucson, AZ.
- 1996 The Effect of Domestic Politics on Reproductive Decisions. Invited paper presented at conference on Social Dimensions of Mexican Health. University of California Institute for Mexico and the United States, Riverside, CA.
- 1996 "Eating for Two": The Construction of Maternal-Fetal Conflict as Seen Through the Dietary Practices of Pregnant American Women (S. Markens, CHB, N. Press). *Annual Meeting of the Pacific Sociological Association*. Seattle, WA.
- 1996 Mexican Immigrant Couples' and Amniocentesis (CHB and H. M. Preloran). Invited paper presented in workshop on Dorothy Meets the Wizard: Discourses of Technology and Childbirth. Program in Cultural Studies in Science, Technology, and Medicine and the Center for the Study of Women, UCLA, 1996.
- 1996 "Sneaking in the Junk": Eating Strategies of Pregnant Women in the U.S. (S. Markens, CHB, N. Press). *Annual Meeting of the American Sociological Association*. New York, NY.
- 1996 "Vivir con la espina?" Tolerancia de la incertidumbre asociada a diagnósticos prenatales (H. M. Preloran and CHB). Invited paper presented in workshop "Tomas de decision." El Museo Nacional Hernández, La Universidad de Buenos Aires, Buenos Aires, Argentina.
- 1996 *Decisiones sobre aceptar o rechazar pruebas prenatales* (H. M. Preloran and CHB). Invited paper presented in workshop "Definición-Evaluación de Situaciones: estudios de proyectos comunitarios referidos a la salud y la educación. Universidad de Buenos Aires, Argentina.
- 1996 The Effects of Conjugal Politics on Women's Reproductive Reproductive Decisions. Public Symposium on Women's Health in International Perspective. University of Wisconsin-Madison, Madison, WI.
- 1996 A Look Backward at the History and Founding of the Society for Medical Anthropology. President's Address. *Annual Meeting of the Society for Medical Anthropology*. San Francisco, CA.
- 1996 *Para sacarse la espina: Mexican Immigrant Women and Amniocentesis* (CHB and H.M. Preloran). Invited paper for symposium on "Deforming Bodies Forming Subjects." *Annual Meeting of the American Anthropological Association*, San Francisco, CA.
- 1996 Household Politics and Reproductive Decisions. Invited paper presented in symposium "New Directions in Latin American Medical Anthropology." *Annual Meeting of the American Anthropological Association*, San Francisco. CA.
- 1997 Decisions about Fetal Diagnosis: A Cross-Cultural Perspective. Grand Rounds, Department of Psychiatry and Biobehavioral Sciences, UCLA.

- 1997 Micro-Communications, Macro-Implications: Conjugal Politics and Reproduction in Latino Communities. Program in Development Communication, Annenberg Center for Communication, University of Southern California and the Pacific Institute for Women's Health, L.A., CA.
- 1997 Women, Men, and Reproduction in Latino Communities. Public Symposium on Ecological Perspectives on Women's Health. University of Colorado, Denver, CO.
- 1997 The Anthropology of Health in Oaxaca (A. J. Rubel and CHB). *49<sup>th</sup> International Congress of Americanists*, Quito, Ecuador.
- 1997 The Impact of Male Partners' Presence on Mexican Immigrant Women's Decisions about Fetal Diagnosis (CHB and H. M. Preloran). *49<sup>th</sup> International Congress of Americanists*, Quito, Ecuador.
- 1997 On the Medicalization of Medical Anthropology. President's Address. *Annual Meeting of the Society for Medical Anthropology*, Washington, D.C.
- 1997 Modeling Latinas' Reproductive Behavior. Program in Medical Anthropology. University of California, San Francisco, San Francisco, CA.
- 1997 *El uso de la narrativa en los Ciencias Sociales* (H.M. Preloran and CHB). Invited paper presented in workshop on Arte y Humanidades. Patronat Municipal de Seveis Comunitaris, Cultura, Educació, Juventut I Serveis Socials, Ajuntament de Gavà, Barcelona, Spain
- 1998 International Migration and the Changing Social Ecology of Reproduction, Reproductive Health and Sexuality: Perspectives from a Chinantec Community in Oaxaca, Mexico (K.A. Morris, K. Tolbert, A.T. Cortes, CHB). *Annual Meeting of the Population Association of America*. Chicago, IL.
- 1998 Risky Business: Accounting for Pregnant Women Who Decline a Routine Prenatal Testing (S. Markens, CHB, N. Press), *Annual Meeting of the American Sociological Association*, San Francisco, CA.
- 1998 *Texto y contexto en el analisis de las narrativas* (H.M. Preloran and CHB). Invited paper presented in symposium on *Historias de vida, narrativas, y el rol asignado al etrevistador*. Centro Argentino de Etnología Americana (CAEA), Consejo Nacional de Investigaciones Cientificas y Técnicas. Buenos Aires.
- 1998 Latinas, Amniocentesis, and the Discourse of Choice (CHB and H. M. Preloran). Invited paper presented in Executive Program Committee Invited session "Questing for Perfection: The New Eugenics?" *Annual Meeting of the American Anthropological Association*, Philadelphia, PA.
- 1999 Analyzing Latinas' Narrative Accounts of their Acquiescence to Amniocentesis. Invited paper presented in 10<sup>th</sup> Annual Occupational Science Symposium on The Embodied Self, organized by Cheryl Mattingly and Mary Lawler, Dept. of Occupational Sciences, University of Southern California, Los Angeles, CA.

- 1999 "It Was Pretty Much My Decision...But Of Course He Also Has a Say": Latino Men and Amniocentesis Decisions (S. Markens, CHB, H. M. Preloran). Paper presented at *Annual Meeting of the Society for the Social Studies of Science*, San Diego, CA.
- 1999 Fatalism or Hope? Interpreting Latinas' Decisions to Refuse Amniocentesis (CHB and H. M. Preloran). Invited paper presented in symposium Performing "Race" and Ethnicity in the Crisis of the Medical Moment, organized by Linda M. Hunt and Cheryl Mattingly. *Annual Meeting of the American Anthropological Association*, Chicago, IL.
- 1999 Abortion Attitudes and Embodied vs. Authoritative Knowledge in Latinas' Decisions about Amniocentesis (S. Markens, CHB, H. M. Preloran). Paper presented at *Annual Meeting of the American Anthropological Association*, Chicago, IL.
- 2000 "It's Our Baby, But It's Her Body": Latino Couples, Gender Rationales, and Amniocentesis Decisions (S. Markens, CHB, H.M. Preloran), Paper presented at the *Annual Meeting of the American Sociological Association*, Washington, D. C.
- 2000 Religion, Education, Economics and Domestic Politics in Mexican-Origin Couples' Amniocentesis Decision (H. M. Preloran and CHB). Genetics Unit, Morris Comprehensive Cancer Center, University of Southern California, Los Angeles, CA.
- 2000 *Análisis de historias de vida en situaciones médicas* (H. Mabel Preloran and CHB). Obradoiro: Baixo o Signo do Real: O Humano & Biográfico, Universidad Internacional Menéndez Pelayo. Pontevedra, Spain.
- 2001 Latinas' Amniocentesis Decisions in Cultural Perspective. A Decade of ELSI Research, Natcher Conference Center, Bethesda, MD.
- 2001 "I'm Not the One They're Sticking the Needle Into: Latino Couples and Amniocentesis (S. Markens and CHB). A Decade of ELSI Research, Natcher Conference Center, Bethesda, MD.
- 2001 "I'm Not A Doctor But I Know How I Feel": The Interaction of Embodied and Authoritative Knowledge In Amniocentesis Decisions (S. Markens, CHB, M. Preloran), *Annual Meeting of the American Sociological Association*, Anaheim, CA.
- 2001 Some Consequences of Miscommunication between Prenatal Genetic Service Providers and Latina Clients (CHB and H. M. Preloran). *Annual Meeting of the American Anthropological Association*, Washington, D. C.
- 2002 Sex in the City: Homeless Women's Needs for and Use of Reproductive Health Care (CHB, E. Lejano, L. Gelberg). *The Anthropology of Los Angeles*, Los Angeles, CA.
- 2002 Communicating Genetic Risk and Other Unwelcome Information (CHB and H. M. Preloran). Prepared for symposium Culture as Context in Clinical Communication, L. M. Hunt and C. H. Browner, organizers. *Annual Meeting of the American Anthropological Association*, New Orleans, LA.

- 2002 The Consequences of Competing Client and Clinician Agendas in Prenatal Care. Communication Processes in Social Groups (H. M. Preloran, CHB, and S. Balzano). Social Science Workshop, Consejo Nacional de Investigaciones Cientificas y Técnicas (CONICET), Buenos Aires, Argentina.
- 2002 The Risks of Knowing and Not Knowing for Managing Ambivalence in a Situation of Medical Uncertainty. Communication Processes in Social Groups (S. Balzano, H. M. Preloran, and CHB). Social Science Workshop, Consejo Nacional de Investigaciones Cientificas y Técnicas (CONICET), Buenos Aires, Argentina.
- 2002 The Social Impact of the Proliferation of Medical Technologies (CHB and H. M. Preloran). Instituto de Programas de Estudios sobre Epidemiologia Psiquiatrica (PEPSI). Buenos Aires, Argentina.
- 2003 *Decisiones medicas a traves de la emocion y la razon. 51<sup>st</sup> International Congress of Americanists*, Santiago, Chile.
- 2004 Gender Politics and the Distribution of Knowledge about Plants for Reproductive Health in Jamaica (C. F. Sargent and CHB). *International Society of Ethnobiology Ninth International Congress and Society for Economic Botany 45<sup>th</sup> Annual Meeting*, Canterbury, England.
- 2004 *Comunicación medico-paciente: El papel de los intermediarios* (H. M. Preloran and CHB). Panel de Comunicaciones: Seminario de Comunicación Oral. Sub-Secretaria de Educación, Provincia de Córdoba, Argentina, 2004.
- 2004 *Filtro: Comunicación de segunda mano*. Panel de Comunicaciones: Seminario de Jornadas de Nararativas y Oralidad. (CHB y H. M. Preloran). Programas de Investigaciones sobre Epidemiologia Psiquiatrica, Consejo Nacional de Investigaciones Cientificas y Tecnicas (CONICET), Buenos Aires, Argentina.
- 2004 Does "Gender Equality" in Reproductive Policies and Programs Unintentionally Reinforce Male Authority? Prepared for symposium Sexuality, Equality, and Reproductive Health: The Case of Mexico, K. E. Bliss and M. C. Gutmann, organizers. *Meeting of the Latin American Studies Association*, Las Vegas, NV.
- 2004 Impact of Translators' Approach on Latinas' Use of Amniocentesis (CHB, H. M. Preloran, and E. Lieber). *The Challenge Ahead: Implications of Genomics for Health Behavior and Health Education*, School of Public Health, University of Michigan, Ann Arbor, MI.
- 2005 Unexpected and Unwanted Consequences of "Gender Equity" in Reproductive Health Programs and Policies. *Reproductive Disruptions: Childlessness, Adoption, and Other Reproductive Complexities*, Institute for Research on Women and Gender, University of Michigan, Ann Arbor, MI.
- 2005 Ethical Implications of Reproductive Genetic Technologies. *Science and Technology in New York City*. CUNY Honors College Seminar, New York, NY.

- 2005 Risk Communication: Cultural Issues. *National Society of Genetic Counselors Short Course*. Los Angeles, CA.
- 2005 Bossed in Translation: The Impact of Translator's Approach on Latinas' Amniocentesis Decisions. Beyond the Patient-Doctor Dyad, M. C. Hay and C. H. Browner, organizers. *Annual Meeting of the American Anthropological Association*, San Francisco, CA.
- 2006 Does Gender "Equity" in Genetic Screening Unintentionally Reinforce Male Authority? Reproductive Disruptions: Gender, Technology, and Ethics in the New Millennium. SMA Plenary Session, M. Inhorn, organizer. Joint Meetings of the *Societies for Applied and Medical Anthropology*, Vancouver, B. C.
- 2006 Opportunities and Future Directions for Medical Anthropologists. Meet the SMA Presidents Panel. *Society for Medical Anthropology and Medical Anthropology Students Association*, Vancouver, B. C.
- 2006 *Clínica Neurológica: comunicación médico-paciente y su efecto en el uso de la tecnología genética* (H. Mabel Preloran y CHB). Organización de los Servicios Médicos y su influencia en la salud de los usuarios, Coordinador: Dr. Marcelo Britos. Departamento de Salud Mental, Ciencias Sociales y Humanidades de la Facultad de Medicina de la Universidad Nacional de Tucuman, Argentina.
- 2006 *Recolección de datos: instrumentos para su documentación y análisis* (H. Mabel Preloran y CHB). Metodología para la realización de estudios de usuarios de servicios médicos" Coodinadora: Dra. Marta Martinez, Departamento de Programática de la Facultad de Medicina de la Universidad Nacional de Tucuman, Argentina.
- 2006 When Cultures Collide – or At Best, Work at Cross Purposes: Lessons from California on Implementation of State-Mandated Fetal Diagnosis. Reproduction, Globalization, and the State, C. H. Browner and C. F. Sargent, organizers. Rockefeller Foundation Bellagio Study and Conference Center, Lake Como, Italy.
- 2006 Timing and the Meaning of a Genetic Diagnosis. The Experience of Patients with Neurodegenerative Symptoms, (Pascale Hess & CHB). Paper presented in panel on Temporality, Suffering and Experience, Jill Mitchell and Jason Throop, organizers, *Annual Meeting of the American Anthropological Association*, San Jose, CA.
- 2007 Storm Clouds Ahead: The Impact of a Genetic Diagnosis on Siblings Suffering Neurodegenerative Disease. (CHB & H. Mabel Preloran). Paper presented in panel on Families in Pain: Illness, Suffering, and (Inter)subjectivity, Mara Buchbinder and Ignasci Clementi, organizers, *Biennial Meeting of the Society for Psychological Anthropology*, Manhattan Beach, CA.
- 2007 Information Exchange between Patients and Doctors (H. Mabel Preloran & CHB). Panel on Medical Anthropology Past, Present, and Future. Universidad Nacional de la Pampa. Santa Rosa, Argentina.

- 2007 What Does the Concept of “Genetic Responsibility” Add to Understanding Carework? The Case of Individuals with Neurodegenerative Disorders (J. Musto & CHB). Paper presented in panel on Ethic of Care. *The Fifth Carework Conference, “Is a Caring Society Possible? Mobilizing for Change,”* CUNY Graduate Center, New York, New York.
- 2008 Dark Prophecies: Neurodegenerative Patients’ Search for a Genetic Diagnosis. Paper presented at conference, Translating “ELSI:” The Ethical, Legal, and Social Implications of Genomics. Case Western Reserve University, Cleveland, OH.
- 2008 Interrogating the Dynamics between Power, Knowledge and Pregnant Bodies in Amniocentesis Decision-Making (S. Markens, CHB, H. Mabel Preloran). Paper presented at *Annual Meeting of the American Sociological Association*, Boston, MA.
- 2009 The Meaning of Diagnostic Testing for Neurologists and Their Patients. Paper presented in symposium on Creating and Crossing Medical Fields of Practice, Bill McKellin and Sylvie Fortin, organizers, *Joint Annual Meetings of the Canadian Association of Social and Cultural Anthropology and the American Ethnological Association*, Vancouver, B.C.
- 2009 Family Communication of BRCA Genetic Testing Among Latina Women: A Qualitative Study (N. Santiago Neal, C. Ricker, C. Palmer, T. Geva & CHB). Poster presented at *National Society of Genetic Counselors 28<sup>th</sup> Annual Education Conference*, Atlanta, GA.
- 2009 Keynote Speaker, Inauguration of “On the Same Map,” Sponsored by the UCLA School of Public Health, UCLA Chapter of FACE AIDS, UCLA Global Summit Reading Program, and UCLA American Medical Student Association Global Health Action Committee, UCLA, Los Angeles.
- 2009 *Salud: lo ultimo en perder es la esperanza*. (H. Preloran & CHB) Paper presented at La Fundación del Cine, Programa del Ciencias Sociales, Manuel Antín, coordinator, Buenos Aires.
- 2010 The Promise and Reality of Genetic Testing in Clinical Neurology. Paper presented at UCLA Center for Society and Genetics Colloquium. Los Angeles, CA.
- 2010 Keynote Speaker, Inauguration of “Gender, Sexuality, and Health International Program,” Washington University, St. Louis, MO.
- 2011 Genetic Testing for Fatal Neurological Diseases: A Dead End? Paper presented at UCLA Biological Anthropology Society. Los Angeles, CA.
- 2011 A Legacy of Michael Kearney: Global and Transnational Approaches to the Anthropology of Reproduction and Reproductive Rights. Inaugural Keynote Kearney Lecture in Responsible Anthropology. *Annual Meeting of the Society for Latin American and Caribbean Anthropology and the Society for Applied Anthropology*, Seattle, WA.
- 2011 The Interplay of Hope and Expectation for Genetic Testing in Clinical Neurology. Cedars-Sinai Ethics Noon Conference, Los Angeles, CA, 2011.
- 2112 But Is It Disclosure? Rethinking Retellings Tellings of Genetic Diagnoses (D. Flaherty and CHB). Workshop on Disclosing Subjects: Bodies, Selves, Intimacies, Politics. Thomas Coram Research Unit, University of London.

- 2012 The Promise and Reality of Genetic Testing in Clinical Neurology. *Beyond the Headlines*, UCLA Extension Series in Humanities and Sciences.
- 2012 How Family Dynamics Can Shape Disclosure Patterns and Processes In Patients Newly Diagnosed with Huntington's Disease, Paper presented at *Annual Meeting of the Annual Meeting of the American Anthropological Association*, San Francisco, CA.
- 2013 Utilization of Genetic Testing Prior to Subspecialist Referral for Cerebellar Ataxia (B. Fogel, B. Vickrey and CHB). Poster presentation at Annual Meeting of the American Neurological Association's Annual Meeting New Orleans, LA.
- 2015 The Politics of Reproduction: Evolutionary Perspectives, Contemporary Realities. *A Critical Moment: Sex/Gender Research at the Intersections of Culture, Brain, & Behavior*. 6<sup>th</sup> UCLA/FPR Conference. Los Angeles, CA.
- 2017 *Metos metodológicas del siglo XXI en investigaciones antropológica medica*. Unidad en Medicina Social y Servicios de Salud, Escuela de Medicine, Universidad de Guadalajara, Guadalajara, MX.

**SYMPOSIA ORGANIZED AND/OR CHAIRED; DISCUSSANT**

1. Co-organizer of symposium on Women in Culture and Society. *Annual Meeting of the Southwestern Anthropological Association*. San Francisco, CA, 1973.
2. Organizer of symposium on Research and Directions in Medical Anthropology. *Annual Meeting of the Kroeber Anthropological Society*. Berkeley, CA, 1974.
3. Co-organizer of symposium on Social Structure, Ideology and Women's Choices. *Annual Meeting of the American Anthropological Association*. Washington, D.C., 1976.
4. Organizer of symposium on Innocents at Home: American Anthropologists Study American Institutions. *Annual Meeting of the American Anthropological Association*. Los Angeles, CA, 1978.
5. Co-organizer and Chair of special COSWA symposium on Women Anthropologists in the Public and Private Sectors: Non-academic Career Advancement. *Annual Meeting of the American Anthropological Association*. Los Angeles, CA, 1981.
6. Organizer and Coordinator of Round Table Discussion on Women's Reproductive Health. *Annual Meeting of the American Anthropological Association*. Los Angeles, CA, 1981.
7. Co-organizer of two-part special invited symposium on Pressure and Counter Pressure: Interaction Between State and Local Levels in Highland Mexico. *44th International Congress of Americanisms*. Manchester, England, 1982.
8. Organizer of Round table Discussion on Power and Medical Monopolies. *Annual Meeting of the American Anthropological Association*. Washington, D.C., 1982.

9. Organizer of Round table Discussion on The Interface Between Traditional and Modern Medicine in Latin America. *Annual Meeting of the Latin American Studies Association*. Mexico City, Mexico, 1983.
10. Co-organizer of symposium on Reproduction and the Cultural Construction of Gender. *Annual Meeting of the American Anthropological Association*. Chicago, IL, 1983.
11. Organizer and Coordinator of Round table Discussion on the Determinants of Household Health in Developing Countries. *Annual Meeting of the American Anthropological Association*. Washington, D.C., 1985
11. Discussant. Constructing Reproduction: Female Bodies and a Feminist Critique of Science. Symposium presented at the *Annual Meeting of the American Anthropological Association*. Washington, D.C., 1985.
12. Coordinator of Round table Discussion on Gender and Interaction. Second Southern California Forum on Cognition, Interaction, and Communication. Irvine, CA, 1985.
14. Co-organizer and Chair of invited symposium on Knowledge and Power in the Management of Reproduction. *Joint Meetings of the American Ethnological Society, Southern Anthropological Society and the Society for Medical Anthropology*. Wrightsville Beach, NC, 1986.
15. Co-organizer and Chair of panel discussion on Women and Immigration. Conference of Women: Culture, Conflict and Consensus. Center for the Study of Women, UCLA, 1987.
16. Discussant. Health, Education and Social Welfare in South America. Conference on South American Culture and Development. Latin American Studies Center, UCLA, 1987.
17. Discussant. Huntington Library Women's Studies Seminar on "Attitudes Toward the Female Body in Medieval Religion." San Marino, CA, 1988.
18. Chair and Discussant. Can California be Competitive in Caring? Institute for Industrial Relations, UCLA, 1988.
19. Organizer and Chair. Anthropology and Mental Retardation. Invited Symposium presented at *Annual Meeting of the Society for Applied Anthropology*, Tampa, FL, 1988.
20. Discussant. Gender Hierarchy and Economic Change in Mexico. *Annual Meeting of the American Anthropological Association*. Phoenix, AZ, 1988.
21. Coordinator of Roundtable Discussion on Women, Work, and Health in Latin America. *Annual Meeting of the American Anthropological Association*. Washington, D.C., 1989.
22. Discussant. Body Image and Social Meaning: The Interplay of Symbol and Action, *Annual Meeting of the American Anthropological Association*, Washington, D.C. 1989.
23. Moderator and Discussant. Primary Health Care for Women: International Examples. Women's Health Care and Empowerment in the Third World. University of California, San Francisco, 1990.

24. Discussant. Conference of Women and Health in the Middle East. The von Grunebaum Center for Near Eastern Studies, UCLA, 1990.
25. Chair. Panel on Adaptation of Aging People with Mental Retardation in the Community. UCLA Mental Retardation Research Center Annual Retreat. Lake Arrowhead, CA, 1990.
26. Discussant. The Medicalization of Natural Processes and Conditions. *Annual Meeting of the American Anthropological Association*. New Orleans, LA, 1990.
27. Chair. Ethnomedicine and Meaning in the Study of Illness. *Annual Meeting of the American Anthropological Association*. New Orleans, LA, 1990.
28. Co-organizer and Co-chair of The Human Body and the Body Politic: Exploring the Role of Western Medicine in the Maintenance of Social Control. Invited symposium sponsored by the Society for Medical Anthropology. *Annual Meeting of the American Anthropological Association*. New Orleans, LA, 1990.
29. Discussant. The Control of Reproduction. International Conference on the Construction of Gender and Sexuality in East and Southeast Asia. Center for Pacific Rim Studies, UCLA, 1990.
30. Chair. Household Strategies and National Policies in Latin America and South Asia. *Annual Meeting of the Society for Applied Anthropology*. Charleston, SC, 1991.
31. Discussant. Agrarian Transformations and Health. *Annual Meeting of the Society for Applied Anthropology*, Charleston, SC, 1991.
32. Discussant. Birth in Twelve Cultures: Papers in Honor of Brigitte Jordan. Invited symposium sponsored by the Society for Medical Anthropology. *Annual Meeting of the American Anthropological Association*. San Francisco, CA, 1992.
33. Chair. Mothers and Children. Graduate Student Research Conference on Women and Gender. Center for the Study of Women. UCLA, 1993.
34. Organizer and Chair. Women and Biopower: What Constitutes Resistance? *Annual Meeting of the American Ethnological Society*. Santa Monica, CA, 1994.
35. Chair. Panel on Cultural Constructions of Abortion, Contraception, Prenatal and Postnatal Care. *Society for the Social Studies of Science*. New Orleans, LA, 1994.
36. Discussant. "On the Terror of Aging in a Low-Budget Horror Film," Feminist Research Seminar, Center for the Study of Women, UCLA, 1994.
37. Chair. Panel on Reproductive Technologies. Forum on Gender Issues in Science, Technology, and Medicine. UCLA, 1994.
38. Chair and Discussant. Panel on Reproductive Issues in Conference "Thinking Gender" UCLA/USC Fifth Annual Graduate Student Research Conference. Center for the Study of Women, UCLA, 1995.

39. Discussant. "Of Pregnancy, Illicit Drugs, and Punishment: Lawmakers, Prosecutors and the Politics of a Social Problem." Feminist Research Seminar, Center for the Study of Women, UCLA, 1995.
40. Chair and Discussant. Panel on Nationalism and the Politics of Reproduction. UCLA/USC Sixth Annual Graduate Student Research Conference. Center for the Study of Women, UCLA, 1996.
41. Commentator. New Leadership Training Workshop. Annual Meeting of the Society for Applied Anthropology, Baltimore, MD, 1996.
42. Co-organizer. Dorothy Meets the Wizard: Discourses of Technology and Childbirth. Sponsored by Program in Cultural Studies in Science, Technology, and Medicine and the Center for the Study of Women, UCLA, 1996.
43. Discussant. Human Capital and Economic Development in Latin America: A UCLA Doctoral Student Research Conference. UCLA Center for Latin American Studies, Ventura, CA, 1997.
44. Chair and Discussant. Panel Women's on Health and Health Care. UCLA/USC Eighth Annual Graduate Student Research Conference. Center for the Study of Women. UCLA, 1998.
45. Co-organizer and Discussant. The Gendered Politics of Reproduction. Symposium invited by the Society for Feminist Anthropology, *Annual Meeting of the American Anthropological Association*, Philadelphia, PA, 1998.
46. Co-organizer and Chair. Struggling for Health in the Face of Disease and Danger: Analytic and Policy Perspectives. Invited Presidential Symposium. *Annual Meeting of the American Anthropological Association*, San Francisco, CA, 2000.
47. Facilitator, Dissertation Improvement Workshop. Spencer Foundation, Los Angeles, CA, 2001.
48. Facilitator, Workshop on Mind, Brain, and Culture Interactions, Foundation for Psychocultural Research, Ojai, CA, 2001.
49. Co-organizer and Co-Chair. Culture as Context in Clinical Communication, Annual Meeting of the American Anthropological Association, New Orleans, LA, 2002.
50. Moderator, Interdisciplinary Panel on Trauma and Early Relational Experiences, Social Contexts, and Developmental Trajectories, Third Annual Symposium on Brain, Mind, and Culture, La Jolla, California, 2003.
51. Discussant, Rethinking Pragmatism: Medicalization, Reproduction, and Social Constraint. *Annual Meeting of the American Anthropological Association*, Chicago, IL, 2003.
52. Discussant, Panel on Gender Issues in Ethnobotanical and Ethnobiological Research and Related Development Practice. *International Society of Ethnobiology Ninth International Congress and Society for Economic Botany 45<sup>th</sup> Annual Meeting*, Canterbury, England, 2004.

53. Co-organizer and Co-chair. Beyond the Patient-Doctor Dyad: Health and Communication in Clinical Settings. *Annual Meeting of the American Anthropological Association*, Washington, D.C., 2005.
54. Organizer and Co-chair. Reproduction, Globalization, and the State. Rockefeller Foundation Bellagio Study and Conference Center, Lake Como, Italy, 2006.
55. Discussant, Foundation for Psychocultural Research-UCLA 3<sup>rd</sup> Interdisciplinary Conference: Seven Dimensions of Emotion, UCLA, Los Angeles, CA. 2007.
56. Discussant, Responsible Reproduction: Technologies of Risk in Maternal and Child Health, *Annual Meeting of the American Anthropological Association*, San Francisco, CA, 2008.
57. Keynote Speaker, "On the Same Map." Sponsored by the UCLA School of Public Health, UCLA Chapter of FACE AIDS, UCLA Global Summit Reading Program, and UCLA American Medical Student Association Global Health Action Committee, UCLA, Los Angeles, 2009.
58. Co-organizer, Invited Panel: Founders' Perspectives on the Origins of the SMA. *Meeting of the Society for Medical Anthropology*, Yale University, New Haven, CT, 2009.
59. Welcome Address. *Meeting of the Society for Medical Anthropology*, Yale University, New Haven, CT, 2009.
60. Discussant, Symposium on Gender, Health, and the Politics of Reproduction. *Annual Meetings of the American Anthropological Association*, Philadelphia, PA, 2009.
61. Chair, Panel on Cultural and Biological Contexts of Autism. 4<sup>th</sup> Interdisciplinary The Cultural and Biological Contexts of Psychiatric Disorder: Implications for Diagnosis and Treatment. UCLA. Foundation for Psychocultural Research-UCLA Los Angeles, CA, 2010.
62. Commentary on "Cultural and Biological Contexts of Bipolar Disorder, Schizophrenia, and Anxiety-Related Conditions. The Cultural and Biological Contexts of Psychiatric Disorder: Implications for Diagnosis and Treatment. UCLA. Foundation for Psychocultural Research-UCLA Los Angeles, CA, 2010.
63. Chair and Moderator, Panel on State Terrorism and Resistance: *Esclabones*, a new volume of stories, poetry, and short stories from the Former Political Prisoners of Córdoba, Argentina. Latin American Institute, UCLA, Los Angeles, CA, 2010.
64. Invited Roundtable: Stealing a Moment: Individual Follow-Up with Award Winning Mentors, Society for Medical Anthropology, *Annual Meeting of the American Anthropological Association*, New Orleans, LA, 2010.
65. Introduction, Gender, Art and Social Movements in the Middle East and Global South: Conference in Honor of Professor Sondra Hale's Retirement. UCLA Center for Near Eastern Studies, 2011.
66. Chair, Panel on Disclosure and Health Psychology: A Critical Interrogation. Workshop on Disclosing Subjects: Bodies, Selves, Intimacies, Politics, University of London, 2012.

67. Co-organizer and Chair, Disclosure: On Secrets and Tellings, *Annual Meeting of the American Anthropological Association*, San Francisco, 2012.
68. Remembering John G. Kennedy: A Tribute to His Life and Work. *Annual Meeting of the American Anthropological Association*, San Francisco, CA, 2012.
69. Discussant, Resistance, Resilience and Reproductive Governance in Latin America. Centering Reproductive Politics in Imaginative Transformation. *Annual Meeting of the American Anthropological Association*, San Jose, CA, 2018.
70. Discussant, Seeing Men Where They Already Are: Ethnographies of Men and Pregnancy/Childbirth. *Joint Meeting of the American Anthropological Association and the Canadian Anthropology Society*. Vancouver, B.C. 2019.

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1. Browner, C. H. 1975. Abortion as a Life Crisis. *Kroeber Anthropological Society Papers* 47:86-115.
2. Browner, C. H. and Chibnik, M. 1979. Anthropological Research for a Computer Manufacturing Company. *Central Issues in Anthropology* 1(2):63-76.
3. Browner, C. H. 1979. Abortion Decision Making: Some Findings from Colombia. *Studies in Family Planning* 10(3):96-106.  
  
Translated and reprinted in *Estudios de Población* IV (1-6):16-29, 1979.
4. Browner, C. H. 1980. The Management of Early Pregnancy: Colombian Folk Concepts of Fertility Control. *Social Science and Medicine* 14B:25-32.
5. Browner, C. H. and Lewin E. 1982. Female Altruism Reconsidered: The Virgin Mary as Economic Woman. *American Ethnologist* 9(1):61-75.
6. Hill, J. and Browner, C. H. 1982. Gender Ambiguity and Class Stereotyping in the Mexican Fotonovela. *Studies in Latin American Popular Culture* 1(1):43-64.
7. Browner, C. H. 1983. Male Pregnancy Symptoms in Urban Colombia. *American Ethnologist* 10(3):494-510. Profiled in A. McElroy and P. Townsend, eds. *Medical Anthropology in Ecological Perspective*, pp. 270-275. N. Scituate, MA: Duxbury Press, 1989.  
  
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8. Browner, C. H. 1983. The Outpatient Department as Social System: Structure, Ideology & Behavior. *Kroeber Anthropological Society Papers* 61 & 62:52-68.
9. Browner, C. H. 1985. Criteria for Selecting Herbal Remedies. *Ethnology* 24(1):13-32.
10. Ortiz de Montellano, B. R. and C. H. Browner 1985. Chemical Bases for Medicinal Plant Use in Oaxaca, Mexico. *Journal of Ethnopharmacology* 13:57-88.
11. Browner, C. H. 1985. Plants Used for Reproductive Health in Oaxaca, Mexico. *Economic Botany* 39(4):482-504.
12. Browner, C. H. 1986. Gender Roles and Social Change: A Mexican Case Study. *Ethnology* 25(2):89-106.

13. Browner, C. H. 1986. The Politics of Reproduction in a Mexican Village. *Signs: Journal of Women in Culture and Society* 11(4):710-24.

**Reprinted all editions** of C. Brettell and C. Sargent, eds. *Gender in Cross-Cultural Perspective*, pp. 385-96. Englewood Cliffs, NJ: Prentice-Hall, 2001.

**Reprinted** B. Miller, ed. *Sociocultural Anthropology: Critical and Primary Sources*, Vol 2-11. pp. 181-192. New York: Routledge, 2020.

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15. Browner, C. H. 1987. Job Stress and Health: The Role of Social Support at Work. *Research in Nursing and Health* 10(2):93-100.
16. Browner, C. H. and Perdue, S. T. 1988. Women's Secrets: Bases for Reproductive and Social Autonomy in a Mexican Community. *American Ethnologist* 15(1):84-97.
17. Browner, C. H., Ortiz de Montellano, B. R., Rubel, A. J. 1988. A Methodology for Cross-Cultural Ethnomedical Research. *Current Anthropology* 29(5):681-701.
18. Browner, C. H. 1989. Women, Household and Health in Latin America. *Social Science and Medicine* 28(5):461-73.
19. Hunt, L. M., Jordan, B., Irwin, S., Browner, C. H. 1989. Compliance and the Patient's Perspective: Controlling Symptoms in Everyday Life. *Culture, Medicine and Psychiatry* 13(3):315-34.
20. Browner, C. H. 1989. *La producción, la reproducción, y la salud de la mujer: Un estudio de un caso de Oaxaca, Mexico*. *Anales de Antropología* 26:319-329.
21. Hunt, L. M., Browner, C. H., Jordan, B. 1990. Hypoglycemia: Portrait of an Illness Construct in Everyday Use. *Medical Anthropology Quarterly*, new series 4(2):191-210.
22. Browner, C. H. and Kubarski, K. 1991. The Paradoxical Control of American Clerks. *Organization Studies* 12(2):233-50.
23. Browner, C. H. 1991. Gender Politics in the Distribution of Therapeutic Herbal Knowledge. *Medical Anthropology Quarterly*, new series, 5(2):99-132.
24. Browner, C. H. 1991. Women and Economic Change in Rural Mexico. *Peasant Studies* 19(1):5-20.
25. Press, N. and Browner, C. H. 1992. Policy Issues in Maternal Serum Alpha Feto-Protein Screening: The View from California. In *Proceedings of the Committee on Assessing Genetic Risks: Issues and Implications for Health*. Institute of Medicine, National Academy of Sciences, Washington, D. C.: National Academy Press.

26. Browner, C. H. 1993. New Feminist Scholarship on Reproduction and Women's Health. *Signs: Journal of Women in Culture and Society* 18(3):698-703.
27. Press, N. and Browner, C. H. 1993. "Collective Fictions": Similarities in Reasons for Accepting MSAFP Screening Among Women of Diverse Ethnic and Social Class Backgrounds. *Fetal Diagnosis and Therapy* 8 (suppl 1):97-106.
28. Browner, C. H. 1994. Margaret Clark's Enduring Contribution to Latino Studies in Medical Anthropology. *Medical Anthropology Quarterly*, 8(4):468-475.
29. Press, N. and Browner, C.H. 1995. Risk, Autonomy, and Responsibility: Informed Consent for Prenatal Testing. Special Supplement. *Hastings Center Report* 25(3):S9-12.
30. Browner, C. H. and Press, N. 1996. The Production of Authoritative Knowledge in American Prenatal Care. *Medical Anthropology Quarterly* 10(2):141-156.  
  
**Reprinted** in R. Davis-Floyd and C. Sargent, eds. *Childbirth and Authoritative Knowledge: Cross-Cultural Perspectives*, pp. 113-131. Berkeley: University of California Press, 1997.
31. Browner, C. H., Preloran, H. M., and Press, N. 1996. The Effects of Ethnicity, Education, and an Informational Video on Pregnant Women's Knowledge and Decisions about a Prenatal Diagnostic Screening Test. *Patient Education and Counseling* 27(2):135-142.
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33. Press, N. and Browner, C. H. 1997. Why Women Say Yes to Prenatal Testing. *Social Science and Medicine* 45(7):979-989.
34. Preloran, H. M. and Browner, C. H. 1997. *Rol de la tradición en la prácticas del embarazo: efectos de la información genética entre Mexicanas residentes en los Estados Unidos*. *Revista de Investigaciones Folklóricas* 12: 67-75.
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37. Browner, C.H. 1999. On the Medicalization of Medical Anthropology. *Medical Anthropology Quarterly* 13(2): 135-40.
38. Browner, C.H. and Preloran, H.M. 1999. Male Partners' Role in Latinas' Amniocentesis Decisions. *Journal of Genetic Counseling* 8(2): 85-108.

39. Markens, S., Browner, C. H., and Press, N. 1999. "Because of the Risks": How U. S. Pregnant Women Account for Refusing Prenatal Screening. *Social Science and Medicine* 49(3):359-69.
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41. Preloran, H. M., Browner, C. H., and Balzano, S. 1998/99. *Texto y contexto en el análisis de la narrativa: Renegociación de roles en situaciones médicas con peligro de vida. Scripta Ethnológica*, 20:23-36. Buenos Aires: Centro Argentino de Ethnologia Americana).
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44. Browner, C. H. and Preloran, H. M. 2000. Interpreting Low-Income Latinas' Amniocentesis Refusals. *Hispanic Journal of Behavioral Sciences* 22(3):346-68.
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69. Withers, M., Browner, C.H. and Aghaloo, T. 2013. Promoting Volunteerism in Global Health: Lessons from a Medical Mission in Northern Mexico, *Journal of Community Health* 38 (2): 374-384.
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B. RESEARCH PAPERS - NON-PEER REVIEWED

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**C. BOOKS and BOOK CHAPTERS**

**BOOKS**

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6. Browner, C. H. 1985. "Traditional Techniques for Diagnosis, Treatment and Control of Pregnancy in Cali, Colombia." In, L. Newman, ed. *Women's Medicine: Cross-Cultural Studies of Indigenous Fertility Regulation*, pp. 100-23. New Brunswick, NJ: Rutgers University Press.
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8. Browner, C. H. and Ortiz de Montellano, B. R. 1988. "*Enseñanzas que derivan del uso de yerbas medicinales en Oaxaca, México.*" In, E. Reichel Dolmatoff, ed. *Patrones Cognitivos: Rituales y Fiestas de las Americas*. pp. 358-67. Bogota: Editorial Presencia, Ltda.
9. Browner, C. H. 1989. "The Management of Reproduction in an Egalitarian Society." In, C. McClain, ed. *Women as Healers: Cross-Cultural Perspectives*, pp. 58-71. New Brunswick, NJ: Rutgers University Press.
10. Lundgren, R. and Browner, C. H. 1990. "Caring for the Institutionalized Mentally Retarded: Work Culture and Work-Based Social Support." In, E. K. Abel and M. K. Nelson, eds. *Circles of Care: Work and Identity in Women's Lives*, pp. 150-72. Albany: SUNY Press.
11. Browner, C. H. and Sargent, C. F. 1990. "Anthropology and Human Reproduction." In, T. Johnson and C. F. Sargent, eds. *Medical Anthropology: A Handbook of Theory & Research*, pp. 215-29. Westport, CT: Greenwood Press.
12. Browner, C. H., Ortiz de Montellano, B. R., Rubel, A. J. 1992. "*El analisis comparativo de los sistemas médicos.*" In, P. Sesia, ed. *Medicina tradicional, herbolaria y salud comunitaria en Oaxaca, México*, pp. 223-263. Oaxaca, Mexico: CIESAS y Gobierno del Estado de Oaxaca.
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14. Browner, C. H. and Press, N. 1995. "The Normalization of Prenatal Diagnostic Screening." In, F. Ginsburg and R. Rapp, eds. *Conceiving the New World Order: The Global Politics of Reproduction*, pp. 307-322. Berkeley: University of California Press.
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16. Browner, C. H. and Leslie, J. 1995. "Women, Work, and Household Health in the Context of Development." In, C. Sargent and C. Brettell, eds. *Gender and Health*, pp. 260-277. Englewood Cliffs, NJ: Prentice Hall.

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18. Press, N., Browner, C. H., Tran, D., Morton, C., and LeMaster, B. 1998. "Provisional Normalcy and 'Perfect Babies': Pregnant Women's Attitudes Toward Disability in the Context of Prenatal Testing." In, S. Franklin and H. Ragoné, eds. *Reproducing Reproduction*, pp. 46-65. Philadelphia: University of Pennsylvania Press.
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21. Rubel, A. J. and Browner, C. H. 2001. Chinantec. In, *Oxford Encyclopedia of Mesoamerican Cultures: The Civilizations of Mexico and Central America, Vol. 1*, pp 201-02. New York: Oxford University Press.
22. Rubel, A. J. and Browner, C. H. 2001. Curing and Healing. In, *Oxford Encyclopedia of Mesoamerican Cultures: The Civilizations of Mexico and Central America, Vol. 1*, pp 300-04. New York: Oxford University Press.
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**D. LETTERS TO THE EDITOR**

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2. Morgan, L. M. and Browner, C. H. 1995. Letter to the Editor on editorial by G. Gillett, "Why Worry About Embryos?" *Social Science and Medicine* 40(7): 1015.
3. Rubel, A. J. and Browner, C.H. 1998. More than a Single Approach. (Letter to the Editor). *Anthropology Newsletter* 39(3): 6.
4. Browner, C.H. 2009. A Payoff Out of Poverty? *The New York Times Magazine* January 4, p. 6.

**E. REVIEWS and REVIEW ARTICLES**

1. Browner, C. H. 1974. Review of *The Abortion Controversy* by B. Sarvis and H. Rodman. *Social Science and Medicine* 8:162.
2. Browner, C. H. 1982. Review of *Latin American Urbanization* by D. Butterworth and J. Chance. *American Anthropologist* 84:681-82.
3. Browner, C. H. 1982. The Social Formation of Childbirth: A Review of Recent Research. *Medical Anthropology Newsletter* 14:1, 6-13.
4. Browner, C. H. 1990. Review of *From Menarche to Menopause: Reproductive Lives of Peasant Women in Two Cultures* by Y. Beyene. *American Ethnologist* 17(3):569-70.
5. Browner, C. H. 1990. Review of *Contested Lives: The Abortion Debate in an American Community* by F. D. Ginsburg. *American Anthropologist* 92(3):767-68. Reprinted in UCLA Center for the Study of Women Newsletter, Winter, 1991.
6. Browner, C. H. 1990. Review of *Healers of the Andes* by J. Bastien. *The Latin American Anthropology Review* 2(1):21-22.
7. Browner, C. H. 1994. Review of *The Health of Women: A Global Perspective* edited by Marge Koblinsky, Judith Timyan and Jill Gay. *Medical Anthropology Quarterly* 8(1):125-27.
8. Browner, C. H. 1994. Review of *Feminism and Disability* by Barbara Hillyer. *Women and Health* 22(2):71-73.
9. Browner, C. H. 1994. Review of *The Health of Women: A Global Perspective* edited by Marge Koblinsky, Judith Timyan and Jill Gay. *Women and Health* 22(2):74-77 (revised version of #15).

10. Browner, C. H. 1995. Review of *Women in Pain: Gender and Morbidity in Mexico* by Kaya Finkler. *American Anthropologist* 97(2):387-88.
11. Browner C. H. and Shapira, J. 2001. Review of *Testing Women, Testing the Fetus: The Social Construction of Amniocentesis in America* by Rayna Rapp. *Social Science and Medicine*. (53)1:148-49.
12. Browner, C. H. 2010. Review of *Biosocialities, Genetics, and the Social Sciences: Making Biologies and Identities* edited by Sahra Gibbon and Carlos Novas, *Transcultural Psychiatry* 47(1):193-96.
13. Browner, C. H. 2010 Review of *Matters of Choice: Puerto Rican Women's Struggle for Reproductive Freedom* by Iris López. *Medical Anthropology Quarterly* 24(1): 127-129.
14. Browner, C. H. 2013 Review of *God's Laboratory: Assisted Reproduction in the Andes* by Elizabeth F. S. Roberts. *American Ethnologist* 40(2): 414-15.
15. Browner, C. H. 2019. Moving Beyond Neoliberal Models of Health Care. Review essay *Health Care Under the Knife Waitzkin: Moving Beyond Capitalism for Our Health*. H. and the Working Group on Health Beyond Capitalism. *Medical Anthropology* 38(5): 455-458.
16. Browner, C. H. 2019. Review of *The Logics of Gender Justice: State Action on Women's Rights Around the World* by Mala Htun and S. Laurel Weldon. *Politics & Gender* 15(2): 11-14 doi:10.1017/S1743923X19000175, e10.
17. Browner, C. H. 2019. Review of *The Anthropology of the Fetus: Biology, Culture, and Society*. Sallie Han, Tracy K. Betsinger & Amy B. Scott, eds. *Journal of the Royal Anthropology Institute (JRAI)* (N.S.) 25 (4): 830-831.
18. Browner. C. H. 2020. Review of *Caring for the People of the Clouds: Aging and Dementia in Oaxaca* by Jonathan Yahalom. *The Journal of Latin American and Caribbean Anthropology* <https://doi.org/10.1111/jlca.12467>, 20 March.

**F. EDITED VOLUMES**

1. Browner, C. H. 1983. Women Practicing Anthropology: Perspectives Across the Discipline. Special Section *Practicing Anthropology* 6(1):4-10.
2. Browner, C. H. and King, D. L. 1989. Cross-Cultural Perspectives on Women and Immigration. *Women's Studies* 17(1):49-69.  
  
Reprinted in E. K. Abel and M. L. Pearson, eds. *Across Cultures: The Spectrum of Women's Lives*, pp. 49-69. New York: Gordon and Breach, 1989.
3. Browner, C. H. and Levin, B. W., eds. 2005. The Social Production of Health: Critical Contributions from Evolutionary, Biological, and Cultural Anthropology. Papers in Memory of Arthur J. Rubel. Invited theme issue for *Social Science and Medicine* 61(4):745-878.

**G. INTRODUCTIONS AND FOREWORDS**

1. Browner, C. H. 1983. Introduction. Women Practicing Anthropology: Perspectives Across the Discipline. Special Section. *Practicing Anthropology* 6:4 and 7.
2. Browner, C. H. and King, D. L. 1989. Introduction to "Cross-Cultural Perspectives on Women and Immigration." *Women's Studies* 17(1):49-51.

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3. Browner, C. H. 2004. Foreword to *Healing by Hand: Manual Medicine and Bonesetting in Global Perspective*. K. Oths and S. Z. Hinojosa, eds. Walnut Creek, CA: Altamira Press.
4. Browner, C. H. 2012. Foreword to *Risk, Reproduction, and Narratives of Experience*, pp. ix-xiii. L. Fordyce and A. Maraesa, eds. Nashville: Vanderbilt University Press.

**H. COMMENTARIES**

1. Browner, C. H. 1980. Invited Commentary on Nag, M. How Modernization Can Also Increase Fertility. *Current Anthropology* 21(5):581.
2. Hunt, L. M. and Browner, C. H. 1984. Invited Commentary on Bolton, R. The Hypoglycemia-Aggression Hypothesis: Debate Versus Research. *Current Anthropology* 25(1):32-33.
3. Browner, C. H., Ortiz de Montellano, B. R., Rubel, A. J. 1989. Reply to Fabrega, H. On Research Methodology for Ethnomedicine. *Current Anthropology* 30(3):347-48.
4. Browner, C. H. 1989. Invited Commentary on B. Jordan's Cosmopolitical Obstetrics: Some Insights from the Training of Traditional Midwives. *Social Science and Medicine* 28(9):937-38.
5. Browner, C. H. 1997. Commentary: Looking Backward at the Creation of the Society for Medical Anthropology. *Anthropology Newsletter* 38(6): 62-3.
6. Browner, C.H. 1998. Commentary on Varieties of Reasoning in Medical Anthropology. *Medical Anthropology Quarterly* 12(3):356-58.
7. Browner, C. H. and Sargent, C. F. 1999. The Gendered Politics of Reproduction: Session Report. *Council on Anthropology and Reproduction Newsletter* 6(2): 6-7.
8. Browner, C. H. and Sargent, C. F. 1999. Browner, Sargent Summarize *Politics of Reproduction*. *Anthropology Newsletter* 40(3): 43-44.
9. Browner, C. H. and Rosenthal, R. M. 2004. Death notice: Duane Metzger. *Anthropology News* 45(6): 42-43.
10. Browner, C. H. 2005. Invited commentary on "Conscientious Autonomy: Displacing Decisions in Health Care," by Rebecca Kulka, *Hastings Center Report* 35(5):4-5.

11. Sargent, C. F. and Browner, C. H. 2005. Globalization Raises New Questions about the Politics of Reproduction. *Anthropology News* 46(3): 5-7.
12. Browner, C.H. and Low, S.M. 2015. In Memoriam: Remembering Lucile Newman. *Anthropology News* January 7.

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**EDUCATION**

B.Sc. 1986 Zoology (Honors), University of Rajasthan, Jaipur, India  
 M.Sc. 1988 Zoology (Specialization: Molecular Biology), University of Pune, India  
 Ph.D. 1995 Zoology (Area: Molecular Biology), University of Pune, India

**ACADEMIC POSITION**

07/2016 – Present Professor, Department of Ob-Gyn, Center for Reproductive Sciences, UCSF  
 10/2014 – 2020 The Osher Center of Integrative Medicine, UCSF.  
 02/2015 – 06/2016 Associate Professor, Department of Ob-Gyn, CRS, UCSF  
 12/2010 – 01/2015 Associate Professor, Department of Surgery, UCSF.  
 8/2004 – 12/2010: Assistant Professor, Department of Surgery, UCSF.  
 8/2003 – 8/2004: Assistant Research Physiologist, Department of Surgery & Physiology, University of California, San Francisco.  
 2000 - 2003: Post Graduate Researcher, Departments of Medicine & Physiology, University of California, San Francisco.  
 1996 - 1999: Postdoctoral Fellow, Departments of Medicine, University of California, San Francisco.  
 1995 - 1996: Postdoctoral Fellow, Department of Pathology, New York Medical College, Valhalla, NY.  
 1990 – 1995 Graduate student (PhD), Department of Zoology, University of Pune, Poona, India.  
 1988 - 1990: Junior Research Fellow, Department of Virology, All India Institute of Medical Sciences (AIIMS), New Delhi, India.

**ACADEMIC HONORS AND AWARDS**

1986 Certificate of Merit (IX Position), BSc Honors, University of Rajasthan, Jaipur  
 1988-1993 Graduate Research Fellowship (awarded to top 2% students), CSIR, India  
 1992 UNESCO/TWAS Human Genome Fellowship, Department of Biochemistry, Sir EM Southern’s lab, University of Oxford, Oxford, UK  
 1994 – 1995 Senior Research Fellowship, Department of Biotechnology, India  
 1994 Senior Research Fellowship, Indian Council for Medical Research (ICMR), India (declined due to conflict with DBT award).  
 2003 Quest Diagnostic Young Investigator Award, Endocrine Society

2004	Young Investigator Travel Award, GIRI Conference, Canada
2005	Editorial Board, Journal of Molecular and Genetic Medicine, Library Publishing Media, Oxford, UK.
2006-09	Member, Minority Affairs Committee, The Endocrine Society.
2006	Bavaria California Technology Award (BaCaTe).
2007	Hellman Award.
2009-12	Member, Minority Affairs Committee (MAC), The Endocrine Society.
2010	New Investigator Award, American Physiological Society (Gastrointestinal & Liver Physiology section), Experimental Biology.
2010	FASEB MARC Mentor Travel Award, June 19-22, Endo 2010, San Diego.
2011	NIH/NIAAA Peer Review Committee, ad-hoc member (ZAA1 GG).
2011	T1 Translational Catalyst Award from CTSI, UCSF.
2012	Inducted Fellow of the American Gastroenterological Association (AGAF).
2012	NIH/NIDDK Member Study Section (CIMG), Temporary member.
2012	Organized Health Disparities in Endocrinology Summit, The Endocrine Society. Member, Research Affairs Core Committee (RACC), The Endocrine Society.
2012-2019	Member, Breakthroughs in Bioscience Subcommittee, FASEB
2013-2016	Nominated for the “2014 Ernest Oppenheimer Laureate Award”.
2013	Member, CSR IAM Study section ZRG1 IFCN-Z (02)
2013	Nominated for the “2015 Weitzman Award”, The Endocrine Society.
2014	Member, NIH/CSR DKUS Special Emphasis Panel
2014	Organized and Moderated, “Inaugural Translational Research Workshop” at ICE/ENDO 2014.
2014	
2015	Chaired and Organized, “Translational Research Workshop” at ICE/ENDO
2015	Member, NIH/ CSR Study section ZRG1 IFCN-Z (02)
2015	Member, NIH/CSR Study Section ZRG1 IFCN- B-04M (October)
2016	NIH/CSR Study Section 05 ZRG1 IFCN-Z (02) M (February), Member
2016	NIH/CSR Study Section 05 ZRG1 BBBP-X (45) P (April), Member
2016	NIH CIMG Study Section (October), Temporary Member
2017	NIH Digestive Sciences Small Business Activities [SBIR/STTR] SEP [DKUS]
2017	NIH SEP 2017/05 ZRG1 BCMB-A (51) R
2017-21	NIH CIMG Study Section, Member
2018	NIH ZRG1 EMNR Study Section, Member
2019	NIH SEP ZRG1 DKUS-D (90) S
2020	NIH SEP ZRG1 DKUS-A (90)
2017-21	AJP (GI & Liver) Editorial Board
2018-22	Cells, Editorial Board
2020-2023	Endocrinology, Editorial Board
2021-2024	Chair, Scientific Statement Committee, The Endocrine Society
2021-2022	FEBS OpenBio, Editorial Advisory Board

#### PROFESSIONAL SOCIETY MEMBERSHIPS

- American Society for Cell Biology
- The Endocrine Society
- American Physiological Society
- American Gastroenterological Association

- American Pancreatic Association
- European Pancreatic Club

#### PROFESSIONAL DEVELOPMENT ACTIVITIES

- Mid-career women in Medicine, AAMC, Austin, TX, December 2016.

#### RESEARCH PUBLICATIONS

1. P. Shankar, N. Manjunath, R. Lakshmi, **Bhargava Aditi**, P. Seth and Shriniwas. (1990). Identification of *Mycobacterium tuberculosis* by polymerase chain reaction. *The Lancet*. **335**: 432.
2. Manjunath N, Shankar P, Rajan L, **Bhargava A**, Saluja S and Shriniwas. (1991). Evaluation of a polymerase chain reaction for the diagnosis of tuberculosis. *Tubercle*. **72**:21-27
3. **Bhargava A**, Deobagkar DN, and Deobagkar DD. (1991). Identification and Characterization of Oncogene *yes* homologous genomic clones from *Drosophila melanogaster*. *J. Genetics*. **70**: 181-88.
4. **Bhargava A**, Kumar A, Yuan N, Gewitz MH and Mathew R. (1999). Monocrotalin induces Interleukin-6 mRNA expression in Rat Lungs. *Heart Disease*: **1**: 126-132.
5. **Bhargava**<sup>†</sup> **A**, Chen<sup>†</sup> S-Y, Mastroberardino L, Meijer OC, Wang J, Buse P, Firestone G, Verrey, F, and Pearce D. (1999) Epithelial sodium channel regulated by aldosterone-induced protein sgk. *Proc. Natl. Acad. Sci.*, **96**: 2514-2519. (†: equal contribution by two authors). PMC26816
6. Pearce D, Verry F, Chen S-Y, Mastroberardino L, Meijer OC, Wang J, and **Bhargava A**. (2000) Role of SGK in mineralocorticoid-regulated sodium transport. *Kidney International*, **57**(4): 1283-1289.
7. **Bhargava A**, Meijer OC, Dallman MF, and Pearce D. (2000) Plasma Membrane Calcium Pump Isoform 1 Gene Expression is Repressed by Corticosterone and Stress in Rat Hippocampus. *J. Neuroscience*. **20**(9):3129-3138.
8. Wang J, Barbry P, Maiyar A, Rozansky DJ, **Bhargava A**, Leong M, Firestone GL, and Pearce D (2001). SGK integrates insulin and mineralocorticoid regulation of epithelial sodium transport. *Am. J. Physiology (Renal)*, **280** (2): F303-F313.
9. **Bhargava A**, Fullerton MJ, Myles K, Purdy TM, Funder JW, Pearce D and Cole TJ (2001). The serum- and glucocorticoid-induced kinase is a physiological aldosterone target in rat kidney and colon. *Endocrinology*, **142**(4): 1587-94.
10. Rozansky DJ, Wang J, Doan N, Purdy TM, **Bhargava A**, Dawson K and Pearce D (2002). Hypotonic induction of SGK1 and Na<sup>+</sup> transport in A6 cells. *Am J Physiol Renal Physiol*. **283**(1):F105-13).
11. Bell ME, **Bhargava A**, Soriano L, Laugero K, Akana SF, Dallman MF (2002). Sucrose and corticosterone interact with cold to modulate behaviour, energy balance, autonomic outflow and neuroendocrine responses during chronic stress. *J Neuroendocrinology*, **14**(4): 330-42.
12. **Bhargava A**, Mathias RM, McCormick JA, Dallman MF and Pearce D. (2002). Glucocorticoids prolong Ca(2<sup>+</sup>) transients in hippocampal-derived H19-7 neurons by repressing the plasma membrane Ca(2<sup>+</sup>)-ATPase-1. *Mol Endocrinol*, **16**(7): 1629-37. PMID: 12089356
13. Pearce D, **Bhargava A** and Cole T. (2003). Aldosterone: Its Receptor, Target genes and Actions. *Vitamins and Hormone*, **66**:29-76.
14. Houshyar H, Gomez F, Manalo S, **Bhargava A** and Dallman MF. (2003). Intermittent morphine administration induces dependence and is a chronic stressor in rats. *Neuropsychopharmacology*, **28**(11):1960-72.
15. Adams M, Meijer OC, Wang J, **Bhargava A**, Pearce D. (2003). Homodimerization of the Glucocorticoid Receptor is not Essential for Response Element Binding: Activation of the Phenylethanolamine N-Methyltransferase Gene by Dimerization-Defective Mutants. *Mol Endocrinol*. **17**: 2583-92.
16. Pecoraro N, Reyes F, Gomez F, **Bhargava A**, Dallman MF. (2004). Chronic stress promotes palatable feeding, which reduces signs of stress: Feedforward and feedback effects of chronic stress. *Endocrinology*. **145** (8): 3754-62.

17. **Bhargava A** and Pearce D. (2004). Mechanisms of mineralocorticoid action:determinants of receptor specificity and actions of regulated gene products. *Trends Endocrinol Metab.* 15 (4): 147-53.
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71. **Bhargava A**, Fan S, Lujan C, Fiehn O, Neylan TC, Inslicht SS. Chemical set enrichment analysis: novel insights into sex-specific alterations in primary metabolites in posttraumatic stress and disturbed sleep. *Clinical and Translational Medicine*. 2021. In Production. DOI: 10.1002/ctm2.511

#### BOOK CHAPTERS

1. Heat Shock Proteins (HSP) in stress-related inflammatory diseases. Burcu Hasdemir, Dina Shakran, Sreenivasan Paruthiyil, **Aditi Bhargava (2019)**. Book Title: Heat Shock Proteins in Signaling Pathways. Series Title: Heat Shock Proteins. Series Volume: 17, edition 1. Series ISSN: 1877-1246. Publisher: Springer International Publishing AG. Editor(s) name(s): Prof. Dr. Alexzander A. A. Asea and Dr. Punit Kaur.
2. Probing the Interactome of Corticotropin-Releasing Factor Receptor Heteromers using Mass Spectrometry. Burcu Hasdemir, Juan Oses-Prieto, Alma Burlingame, and **Aditi Bhargava**. (2019) *Methods Mol Biol*. 2019;1947:269-285. doi: 10.1007/978-1-4939-9121-1\_15. PMID: 30969422. Book Title: G-Protein-Coupled Receptor Signaling: Methods and Protocols. Part IV, Chapter 15, Exploring GPCR Signaling Properties. Series Title: MiMB. Publisher: Springer Science+Business Media, LLC, New York. Editor(s) name(s): Mario Tiberi, PhD.
3. Heat Shock Proteins in Human Reproductive System in Health and Disease. (2021) **Aditi Bhargava**, Joshua F. Robinson, Unurzul Jigmeddagva and Sahar Houshdaran. Book Title: "Heat Shock Proteins in Inflammatory Diseases". Series Title: Heat Shock Proteins. Series Volume: 22. Publisher: Springer International Publishing AG. Editor(s) name(s): Prof. Dr. Alexzander A. A. Asea and Dr. Punit Kaur.

#### MEDIA COVERAGE AND BLOGS

- 1) <https://www.cnn.com/2021/05/14/health/sex-biological-variable-research-science-drugs-scn/index.html>
- 2) <https://www.healio.com/news/endocrinology/20210311/endocrine-society-consider-sex-differences-in-biomedical-research>
- 3) <https://aditibhargava-sfo.medium.com/>

#### INVITED PRESENTATIONS

- West Virginia University, Department of Biochemistry, School of Medicine, September 8, 2020
- University of Concordia, Montreal, Canada, October 2019
- European Pancreatic Club (EPC) Meeting, Bergen, Norway, June 2019
- Fondazione Ettore Majorana e Centro di Cultura Scientifica, Workshop on Sex differences, dimorphisms, divergences: impact on brain and behavior in health and disease, Trapani, Italy, May 2019
- University of Cincinnati, Mouse Metabolic Phenotyping Center Seminar Series, Ohio, September 2018

- Dipartimento Materno-Infantile (DAIMI), Azienda Ospedaliera Universitaria Careggi (AOUC), Firenze (Florence), Italy, July 2018
- Visiting Professor, Division of Gastroenterology, Mayo Clinic, Rochester, MN, April 2018
- Department of Molecular and Cell Biology, Boston University, MA, March 2018
- Department of Gastroenterology, All India Institute of Medical Sciences (AIIMS), New Delhi, India, March 2018
- Cedar Sinai Medical Center, Los Angeles, CA, February 2018
- University of Chicago, Department of Medicine, IL, 2017
- University of Miami, Miller School of Medicine, Miami, FL, 2017
- European Pancreatic Club, Liverpool, UK, 2016
- Career Development Workshop, Endocrine Society, Boston, 2016
- Future Leaders Advancing Research in Endocrinology (FLARE) Workshop, Los Angeles, 2016
- Comparative Biomedical Sciences, Royal Veterinary College, London, UK, 2016
- European Pancreatic Club (EPC) Meeting, Liverpool, UK, 2016
- The Integrative Neuroscience Research Center at Marquette University, Milwaukee, 2014
- Future Leaders Advancing Research in Endocrinology (FLARE) Workshop, Atlanta, 2015
- Penn State College of Medicine, Department of Behavioral Neuroscience, Hershey, PA, 2013
- Division of Gastroenterology, Department of Medicine, University of Texas Medical Branch, June 2012
- ENDO 2012 Minority Student and Trainee Day, Invited speaker.
- Departments of Bioinformatics and Zoology, University of Pune, India, 2012
- Center for Cellular and Molecular Biology, Hyderabad, India, 2012
- Asian Institute of Gastroenterology, Hyderabad, India, 2012
- Department of Physiology, University of Tennessee, Memphis, March 2011
- ENDO 2011 Minority Student and Trainee Day, Invited speaker.
- Marquette University, Biomedical Sciences, 2010
- University of Concordia, Montreal, Canada, April 2007
- American Pain Society, May 2007, invited speaker for symposium entitled “All you want to know about RNAi”
- University of Pune, Poona, India, July 2007
- University Erlangen-Nürnberg, Germany, October 2006
- AstraZeneca lecture, University of California, Los Angeles, August 2004
- The Endocrine Society, June 2003 (session co-chair)

#### **REGIONAL AND OTHER INVITED PRESENTATIONS**

- San Mateo Public Library, San Mateo, CA, October 28, 2020.
- Women’s Cancer Resource Center, Berkeley, CA, February 19, 2020.
- Center for Reproductive Sciences, UCSF, 2018.
- Biomedical Science Graduate Student’s retreat UCSF-BMS, Granlibakken, 2017.
- Endocrine Grand Rounds, UCSF, 2016
- Biomedical Science (BMS) Graduate Student’s Blitz, UCSF, 2016

- The Center for Reproductive Sciences, UCSF, 2015
- Mental Illness Research, Education, and Clinical Center, San Francisco VA, 2015
- The Diabetes Center, UCSF, 2014
- The Osher Center, UCSF, 2014
- Biomedical Sciences (BMS) Faculty Seminar Series, 2014.
- The Endocrine Society Meeting, San Francisco, 2013
- Division of Gastroenterology and Nutrition, UCSF, 2013
- American Gastroenterological Association (oral) DDW, San Diego, 2012
- Surgery Grand Rounds, Department of Surgery, UCSF 2012
- American Gastroenterological Association (oral) DDW, San Diego, 2008
- Surgery Grand Rounds, Department of Surgery, UCSF, 2007
- The Endocrine Society Meeting (oral presentation), San Diego, 2005
- American Gastroenterological Association (oral) DDW, Chicago, 2005
- Medicine Grand Rounds, School of Medicine, UCSF, 2004
- The Endocrine Society Meeting (oral), Philadelphia, 2003
- Society for Neuroscience (oral), San Diego, 2001
- The Experimental Biology Meeting (FASEB), Washington DC, 1996
- Indian Congress of Medical Microbiologist, India, 1989.

#### ABSTRACTS AND POSTERS

- Abstracts and Posters Presentation at National and International Meetings not included in the CV.
- Several awards, including President's award, travel awards, and featured poster awarded to my trainees at the DDW/AGA meetings, Endocrine Society meeting, and the FASEB meetings over the last several years.

#### AWARDS TO TRAINEES

- Burcu Hasdemir, PhD, Postdoc Slam Finalist, UCSF 2016
- Burcu Hasdemir, PhD, RAP Postdoctoral Fellow Grant, UCSF, 2016
- Burcu Hasdemir, PhD, ASBMB Postdoctoral Fellow Travel Award, 2016
- Shilpi Mahajan, PhD, ASBMB Postdoctoral Fellow Travel Award, 2014
- Shilpi Mahajan, PhD, Presidential Poster Award Finalist, ICE/Endo, 2014
- Robert Bell, MD, First Place Winner (Best Abstract), Surgery Resident Research Symposium, UCSF, 2013.
- Paris Barkan, BS, Undergraduate Summer Research Award from Endocrine Society, 2013
- Eric Kubat, MD, Runner Up, Surgery Resident Research Symposium, UCSF, 2012.
- Eric Kubat, MD, Excellence in Research Award (category of Alimentary Tract), American College of Surgeons Annual Meeting, 2011
- Eric Kubat, MD, Kenneth P. Warren/Pancreas Club Award for an Outstanding Resident Research Presentation, AGA, 2011
- Alexander Ereso, MD, Presidential Poster Award Winner, Endocrine Society, 2008

#### RESEARCH FUNDING

#### CURRENT FUNDING

**W81XWH-19-PRMRP-DA (Inslicht)**

**05/01/20 - 04/30/22**

PRMRP Women's Health

*Elucidating the potential relationship between post-traumatic stress disorder and women's heart disease*

The primary goals of this project are to identify sex-specific, PTSD-related lipid alterations that are linked with CVD risk using a metabolomics approach.

Role. Co-Investigator

### RECENTLY COMPLETED (LAST 3 YEARS)

**5R01DK097518-03 (Bhargava MPI)**

05/01/14 - 04/30/18

NIH/NIDDK

*Neuroplasticity of the gut-brain axis in functional dyspepsia*

The major goal of this multi PI proposal is to test the hypothesis that signals originating in the gut influence neuronal plasticity.

**W81XWH-15-PRMRP-DA (Inslicht)**

9/30/16-3/31/18

PRMRP

*Metabolomics: A window for understanding long-term physical consequences of disturbed sleep and hypothalamic-pituitary-adrenal function in posttraumatic stress*

The primary goal of this project is to evaluate biochemical pathways underlying complex clinical presentation of posttraumatic stress (PTS) and comorbid conditions. We will do this by evaluating the metabolomics of previously collected blood samples in a cohort of patients with PTS and matched trauma-exposed controls.

**RB 20140520 (Bhargava)**

11/17/14 - 8/28/17

AbbVie Inc.

*Local Delivery of Biologics in IBD*

The major goal of this proposal is to test local delivery of potentially therapeutic biologics in animal models of IBD.

**2R56DK080787-06A1 (Bhargava)**

9/1/15 - 8/31/17

NIH/NIDDK

*Regulation and Function of Urocortins and their Receptor*

The major goals of this project are to evaluate the role of urocortins and their receptor in irritable bowel syndrome and associated changes in gut permeability.

**NIH/NCATS UL1 TR001872 (Bhargava)**

12/16/16-5/31/17

NIH-NCATS

*Delivery Challenges in Developing New Treatments for Inflammatory Bowel Disease (IBD)*

The major goal of this study is to determine stability of CQ-encapsulated drugs and small molecules as well as to determine presence of CTB receptors in human gut.

**1R01DK080787 (Bhargava)**

04/01/09 - 03/31/17

NIH/NIDDK

*Regulation and Function of Urocortins and their Receptor*

The major goals of this project are to define the role of the CRF system in the genesis of inflammatory bowel disease.

### PREVIOUS FUNDING

*Agency:* National Institutes of Health/CTSI

*Role:* Principal Investigator (Bhargava)

*Title:* Delivery Challenges in Developing New Treatments for IBD

*Grant type:* Pilot and Catalyst Award

*Funding period:* Feb 2014-June 2015

*Agency:* National Institutes of Health/NINDS

*Role:* Co-PI (PI: Jasmin L, MD)

*Title:* Satellite Glial Cells

*Grant type:* R01

*Funding period:* 2009-2014

*Agency:* National Institutes of Health/NINDS

*Role:* Co-PI (PI: Jasmin L, MD)

*Title:* Glutamatergic transmission within the sensory ganglion

*Grant type:* R21  
*Funding period:* 2013-2015

*Agency:* National Institutes of Health/NIDDK  
*Role:* Principal Investigator  
*Title:* Regulation and Function of Urocortins and their Receptors in Pancreatitis  
*Grant type:* R01 re-entry supplement for Eileen Grady DK080787-02S1  
*Funding period:* 2010-2012

*Agency:* UCSF T1 Translational Catalyst Award  
*Role:* Principal Investigator  
*Title:* Targeted delivery of RNA molecules for neuronal pathophysiologies  
*Grant type:* Pilot Award  
*Funding period:* 2011-2012

*Agency:* National Institutes of Health/NINDS  
*Role:* Co-PI (PI: Jasmin L, MD)  
*Title:* Gene Therapy for Nerve Injury  
*Grant type:* R01  
*Funding period:* 2006-2011

*Agency:* National Institutes of Health/NINDS  
*Role:* Co-PI (PI: Ohara PT, PhD)  
*Title:* Neuronal/Glial Interactions in Neuropathic Pain  
*Grant type:* R21  
*Funding period:* 2007-2010

*Source:* UCSF Bridge Funds  
*Role:* Principal Investigator  
*Funding period:* 2009

*Source:* Hellman Family Foundation  
*Role:* Principal Investigator  
*Title:* Stress and Altered Intestinal Permeability: Role of Corticotropin Releasing Factor  
*Funding period:* 2007-2009

*Source:* REAC/UCSF  
*Role:* Principal Investigator  
*Title:* Role of Urocortins in Colonic Inflammation  
*Funding period:* 2006-2007

*Source:* Bavarian California Technology (BaCaTe)  
*Role:* Principal Investigator along with Korbamacher C, MD/PhD (Germany)  
*Title:* Regulatory role of  $\alpha$ -Actinin-1 for the epithelial sodium channel (ENaC)  
*Funding period:* 2006

*Source:* Merck Inc.  
*Role:* Principal Investigator  
*Funding period:* 2004-2006

*Agency:* National Institutes of Health/NIMH  
*Role:* Principal Investigator

*Title:* Site-specific Gene Silencing by RNA Interference

*Grant type:* R21

*Funding period:* 2003-2006

#### PRIVATE DONATIONS AND GIFTS

Ms. Dorothy Seacrest  
Molecular Neurobiology Funds  
The Painless Foundation  
The Zarrow Family Foundation

#### PATENT(s) FILED

- Targeted delivery Platform for RNAi 506

#### INTERACTIONS WITH INDUSTRY

- Merck, Inc.
- RW Johnson
- Abbott

#### PEER REVIEW

#### MEETING ABSTRACTS

- The Broad Foundation (*Ad hoc* reviewer)
- FASEB
- The Endocrine Society
- American Gastroenterological Association (DDW)
- The Australian-American Foundation (2018, 2019)

#### MANUSCRIPTS

- *Ad hoc* reviewer for American Journal of Physiology, British Journal of Pharmacology, Biology of Sex Differences, Cells, Cell Physiology, Current Drug Targets, Endocrinology, European Journal of Pain, FEBSJ, Frontiers in Neuroscience, Gastroenterology, Genomics, JASN, Journal of Clinical Investigation (JCI), Journal of Molecular Medicine, Journal of Neurochemistry, Journal of Neuroscience, Mediators of Inflammation, Molecular Endocrinology, MDPI journals, Peptides, PLoS One, Scientific Reports,.

#### CONFERENCE & SYMPOSIA ORGANIZATION

- Co-organizer and Instructor for a Department of Biotechnology (DBT), India-sponsored short course on “*In situ* hybridization techniques in *Drosophila* and invertebrates”, 1994, University of Pune, Pune, India.
- Co-proposed a symposium topic for the 2007 annual meeting for the American Pain Society entitled “All you want to know about RNAi”. The organizers accepted this symposium topic.
- Member, Organizing Committee for the Health Disparities in Endocrinology, 2013 sponsored by the Endocrine Society.
- Organizer, Chair and Moderator, “Translational Research Workshop” at ICE/ENDO 2014 & 2015.

#### TEACHING AND EDUCATION

## FORMAL TEACHING

**Molecular Biology:** Theory and lab to MSc Biotechnology Students, University of Pune, India.

**Physiology 121:** Cardiovascular (the human electrocardiogram) and Respiration (spirometry, lung volumes and capacities) lab.

**Physiology 122:** Gastrointestinal Physiology I-IV.

**Core Inquiry Curriculum (CIC to Medical Students):** 2017-2020

2017-2018

- Ground School Block
- Airways, Blood, and Circulation
- Health and the Individual
- The REGulationN Block - Renal, Endocrine, GI, and Nutrition

2018-2019

- The Health & Society Block
- The Pathogens & Host Defense Block – PHD
- The REGulationN Block - Renal, Endocrine, GI, and Nutrition

2019-2020

- Airways, Blood, and Circulation
- Life Stages- Complications of Pregnancy

**Biomedical Sciences (Graduate Program)**

- **Conflict of Interest (Grad214):** Responsible Conduct of Research Course (2015, 2017, 2018, 2019).
- **BMS 260 Cell Biology** (2014, 2015, 2016, 2018)

## RESIDENT EDUCATION

As the director of laboratory research at the Osher Center for Integrative Medicine, UCSF, I am charged with providing wet-lab training to pre- and post-doctoral fellows, an opportunity that did not exist before.

As a member of the Research Committee, Department of Surgery, I was involved in issues pertaining to surgery residents. Activities include ensuring that residents make optimum progress with their research training and that their funding needs are being met by guiding them to funding sources, advise residents if they have any questions or issues. I am also involved in reading and selecting abstracts that can be presented at annual meetings. Additionally, I have trained surgical residents research in the Department of Surgery since my I was first recruited in 2003. A number of residents have devoted 2 years of full time research training without clinical responsibilities in my laboratory. All residents have presented their research work at National and International meetings, and published in high-impact peer reviewed journals (average of 2 manuscripts/resident).

- Resident Alex Ereso's poster was judged as a poster of distinction at the 2008 Endocrine meeting in San Francisco, and he was awarded a cash prize for this distinction. **Role:** Mentor
- Resident Eric Kubat was awarded the Kenneth P. Warren/ Pancreas Club Award for an Outstanding Resident Research Presentation at the American Gastroenterology Association meeting in May 2011. **Role:** Mentor
- Eric Kubat received the Excellence in Research Award by the American College of Surgeons for the category of Alimentary Tract at the 2011 Surgical Forum held in October in San Francisco. **Role:** Mentor
- Eric Kubat awarded the "Runner Up" award at the 2012 Resident's Research Day Symposium organized by the Department of Surgery, UCSF. **Role:** Mentor
- Resident Robert Bell awarded the "2013 Best Presentation" award at the 2013 Resident's Research Day Symposium organized by the Department of Surgery, UCSF. **Role:** Collaborator and co-mentor

- Postdoctoral Fellow Shilpi Mahajan was awarded the ASBMB 2014 Travel Award to present her work at the Annual EB/FASEB Meeting. **Role:** Mentor
- Postdoctoral Fellow Burcu Hasdemir's poster was short listed in the "Presidential Poster" Section at the Annual Endocrine Society's Meeting in 2015. **Role:** Mentor
- Postdoctoral Fellow Burcu Hasdemir's poster was the finalist for the 1<sup>st</sup> UCSF "Postdoc Slam" held in 2016. **Role:** Mentor
- Postdoctoral Fellow Shinichiro Hagiwara's poster was selected as a "Poster of Distinction" at the Annual AGA/DDW Meeting in 2017. **Role:** Mentor
- Postdoctoral Fellow Shinichiro Hagiwara's poster was selected as a "Poster of Distinction" at the Annual AGA/DDW Meeting in 2018. **Role:** Mentor

### BIOMEDICAL SCIENCES GRADUATE (BMS) PROGRAM

As a faculty member of the BMS program at UCSF, graduate students can do their rotation in my laboratory. I am also involved in coaching with journal club presentations. Our lab participates in annual BMS retreat where students, postdoctoral fellows and faculty get to interact and learn about activities of all other students.

### HIGH SCHOOL AND UNDERGRADUATE STUDENTS

- Mentored high school students that are part of the Science & Health Education Partnership (SEP) at UCSF.
- FASEB/Minority Access Program Students
- Obtained FASEB/ENDO Summer Fellowship (2013) for Paris Barkan, a Medical Student.

### FORMER AND CURRENT TRAINEES

The following table provides the names of former and current trainees and includes their current positions when known.

Name	Years in Laboratory	Current Position (if known)
<i>Medical Students</i>		
Victoria Lyo	2010	Surgery Resident, UCSF
Paris Barkan	2013	4 <sup>th</sup> year student, Jefferson Medical College, PA
<i>UCSF Residents</i>		
Alan Pao, MD	2002-2003	Associate Professor, Department of Medicine, Stanford, CA
Elizabeth Wick, MD	2003-2005	Associate Professor, Department of Surgery, UCSF
Matthew Clifton, MD	2004-2006	Associate Professor, Emory University
Jen Chang, MD	2005-2007	Anesthesia Fellow, Cincinnati Hospital, OH
Alexander Ereso, MD	2007-2008	Plastic Surgeon, El Camino and Sequoia Hospitals
Elizabeth Cureton, MD	2007-2009	Breast Surgeon, Kaiser Permanente, San Francisco
Eric Kubat, MD	2010-2012	Surgeon, Mills Peninsula Hospital, Burlingame,
Robert Bell, MD	2013	Surgery Resident, East Bay Program, UCSF
<i>Postdoctoral Fellows</i>		
Kevin Dawson, MD	2000-2002	Chief Information Officer, Howard University Hospital, Washington DC
Srividya Sundaresan, PhD	2008	Scientific writer, Stanford University
Mary Adedoyin, PhD	2010-2011	Researcher, UCSD

Timothy Kaan, PhD	2010-2011	Medical Science Liaison, Janssen Pharma, Toronto, Canada
Shilpi Mahajan, PhD	2010-2014	
Kerui Gong, MD, PhD	2013-2016	Scientist, Genentech, CA.
Esha Kaushal, PhD	2016-2017	
Shinichiro Hagiwara, MD	2016- 2018	Assistant Professor, Department of Pediatric Gastroenterology, Nutrition and Endocrinology, Osaka Medical Center and Research Institute for Maternal and Child Health,
Burcu Hasdemir, PhD	2014- 2018	Scientist, Twist Biosciences
<b>Current Trainees</b>		
<b>Other Trainees (FASEB-MAP- minority access program and FLARE)</b>		
Stanley Andrisse, PhD	2014-2016	Assistant Professor, Howard University
Antentor O. Hinton, Jr.	2014-2015	Postdoctoral Fellow, University of Iowa
<b>Mentor for Faculty</b>		
SuJean Choi, PhD	2001-2006	Professor, Marquette University
Gregory Victorino, MD	2007-2009	Chair & Professor of Surgery, UCSF-East Bay
Alan Pao, MD	2009-2011	Associate Professor, Stanford
Eileen F Grady, PhD	2010- 2012	Retired, Associate Professor, UCSF
Blake Gurfein, PhD	2013- 2015	Chief Scientific Officer, Tivic Health
Sumei Liu, PhD	2017 (4-month sabbatical)	Professor, University of Wisconsin-La Crosse, WI
Junior & mid-career faculty	2017-current	
<b>Summer Students/ International Graduate Students</b>		
Sirisha Idumalla, MS	2003	
Humera Fakhruddin, MS	2004	Teacher, Peel District School, Canada.
Masako Le	2009	Medical Student, Poland
Giovanni Villa	2010	Researcher in Pharmaceutical company, Italy.
Giulia Magni	2013	Postdoctoral fellow, Department of Pharmacological and Biomolecular Sciences, University of Milan, Italy.
Kanokporn Sathitsamphan	2015	Undergraduate Student, UC Berkeley Extn.
<b>High school and Undergraduate Students</b>		
Julia Hoy-Brooks	2005-2008	Dentist, APLA Health & Wellness
Shivali Mathur	2010	Software Engineer, Life360
Tammy Ying	2012	
Helen Chen	2012	Science & Health Education Partnership (SEP) at UCSF; Junior, Thurgood Marshall Academic High School, San Francisco
Keshav Kundassery	2016	Senior, Mission San Jose High School, Fremont, CA. (Sophomore at Vanderbilt University).
Dina Shakran	2017-2018	Applying to Medical School
Alyssa Cho	2018	Sophomore, Wellesley College
Lahari Vuppaladhiam	2019-2021	Freshman, Washington University, St. Louis
Cameron Eshan	2019	Senior, University High school, San Francisco
Meghana Akkati	2019	Junior, Irvington High School, Fremont
Adithi Gandhi	2021	Senior, Northwestern University, Illinois

## UNIVERSITY AND PUBLIC SERVICE

### SYSTEM-WIDE

UCSF representative on Committee on Planning and Budget, 2018-2019

### INSTITUTIONAL/SCIENTIFIC SOCIETIES

- **Vice Chair, Institutional Animal Care and Use Committee (IACUC), UCSF, (2020-22, Member since 2012):** Members of this committee are responsible for the entire animal welfare and research program at UCSF. Members meet every two weeks and Vice Chair also runs the policy meeting in addition.
- **Vice Chair (2018-2019), Academic Planning and Budget Committee, UCSF, 2017-2019.** Members of APB are charged with interfacing with senior administration to assess campus-wide planning and budgetary decisions impacting the academic mission of UCSF. Members confer with and advise the Senate, the Chancellor and administrative officers. Members meet once a month.
- **Co-Chair, IACUC: Animal Numbers Justification Task Force:** December 2017-Present. The main goal is to improve and streamline numbers justification in animal protocols.
- **Member, UCSF Dean's Difference Matters Initiative, Action Group 1 (2016-2018).** This action group is charged with developing an informed and committed leadership, educated to oversee a culture of inclusion and to achieve greater diversity.
- **Chair, Scientific Statement Subcommittee (2021-2023).** The committee was established to position the Endocrine Society as a thought leader on critical public health and emerging scientific issues and to raise awareness of the central role of endocrinology in science and medicine. The members develop and recommend potential statement topics for the Council to review.
- **Member, Breakthroughs in Biosciences Subcommittee (2013-19),** Federation of American Societies for Experimental Biology (FASEB). This committee is charged with choosing timely topics that demonstrate the critical link between basic research in the biomedical sciences and the improvement in the quality of medical care available to our citizens. <http://www.faseb.org/Policy-and-Government-Affairs/Publications/Breakthroughs-and-Horizons-in-Bioscience/Breakthroughs-and-Horizons-Subcommittee.aspx#sthash.QEGa7tDp.dpbs>
- **Member, Health Disparities Inter-Committee Work Group and Health Disparities Summit Planning Committee,** The Endo Society. A summit was planned and held in March 2013 on "Reducing Health Disparities and Improving Care".
- **Member, Research Affairs Core Committee (RACC), The Endocrine Society, 2012-2016.** Members of this committee are charged with promoting, supporting and participating in the Society's advocacy efforts for increasing funding in biomedical research and other issues important to basic and clinical scientists. In addition, the members are charged with recommending strategic partnerships to the Council that will increase the Society's profile in the broader scientific community.
- **Ad-hoc Member, Institutional Animal Care and Use Committee (IACUC), UCSF, 2007-2008.** This ad-hoc committee was responsible for coming up with strategies to improve and expedite the annual and bi-annual review process for animal protocols, and improve online application process in RIO by providing more drop-down options for standardized protocols.
- **Member, Minority Affairs Committee, The Endocrine Society, 2006-2012.** This committee is involved in developing strategies to increase presence of minorities in the area of Endocrine research. Along with FASEB, this committee administers summer training at various Universities for minority students (FASEB-MARC Program). I am involved in organizing student's day programs at the annual meetings and poster judging. I also review their summer applications for FASEB/MARC and NIGMS-funded MAP programs.
- **Member, Resident Research Committee, Department of Surgery, UCSF, 2003 – 2014.**

**GABRIEL VOROBIOF, MB BCh.**  
**CURRICULUM VITAE**  
Last updated: April 2021

**PERSONAL HISTORY:**

650 Charles E. Young Dr. South,  
A2-237 CHS  
Los Angeles, CA 90095

**EDUCATION:**

1997	MBBCh, (Bachelor of Medicine and Bachelor of Surgery) University of the Witwatersrand, Johannesburg, South Africa
01/98-12/98	Intern in Medicine and Surgery, Baragwanath Hospital, University of the Witwatersrand
01/99-12/99	Senior House Officer in Medicine & Pediatrics, Groote Schuur Hospital, University of Cape Town
2001-2002	Intern in Internal Medicine, Mount Sinai School of Medicine, Maimonides Medical Center, Brooklyn, NY
2002-2004	Resident in Internal Medicine, Columbia University College of Physicians & Surgeons, St. Luke's Roosevelt Hospital Center, New York, NY
2004-2007	Fellow in Cardiovascular Medicine, University of Rochester Medical Center, University of Rochester School of Medicine, Rochester, NY
2007-2008	Clinical Fellow in Advanced Multi-modality Cardiovascular Imaging, Brigham and Women's Hospital, Harvard Medical School, Boston, MA

**LICENSURE**

2004-2007	New York State Registered Physician
2007-2008	Massachusetts Registered Physician
2008-2009	Connecticut Registered Physician
2009-present	California Registered Physician

## BOARD CERTIFICATION

2004	Board Certified in Internal Medicine (ABIM)
2007	Board Certified in Cardiovascular Medicine (ABIM)
2007	Vascular Ultrasound COCATS level II, certified
2007	Echocardiography - COCATS Level III
2008	Board Certified in Echocardiography (NBE)
2008	Board Certified Nuclear Cardiology (CBNC)
2008	Cardiac MRI - COCATS Level III
2008	Myocardial Perfusion Imaging SPECT & PET - COCATS Level III
2008	Coronary CTA - COCATS Level III
2008	Vascular CTA & MRA - COCATS Level
2009-present	Advanced Cardiac Life Support (ACLS)
2020	Recertification Board Certified in Cardiovascular Medicine (ABIM)
2020	Recertification Board Certified Nuclear Cardiology (CBNC)

## PROFESSIONAL EXPERIENCE

2016-present	Health Sciences Associate Clinical Professor of Medicine, (Cardiology), David Geffen School of Medicine at UCLA
2012-present	Director, Non-Invasive Cardiology Laboratories, Ronald Reagan UCLA Medical Center, UCLA Health
2012-2016	Health Sciences Assistant Clinical Professor of Medicine (Cardiology), David Geffen School of Medicine at UCLA
2009-2012	Director, Non-Invasive Cardiology and Cardiac Imaging, Memorial Heart & Vascular Institute
2009-2012	Health Sciences Assistant Clinical Professor of Medicine (Cardiology), University of California Irvine, Irvine, CA
2009-2012	Staff Cardiologist, Departments of Cardiology & Radiology, Long Beach Memorial Medical Center, Long Beach, CA
2008-2009	Assistant Professor of Medicine (Cardiology) & Diagnostic Radiology, Yale University School of Medicine, New Haven, CT
07/07-06/08	Cardiology Adjunct Faculty, Brockton Hospital, Brockton, MA
07/04-06/07	Hospitalist in Internal Medicine, Geneva General Hospital, Geneva, NY

07/04-06/07 Instructor, University of Rochester Medical Center, University of Rochester School of Medicine, Rochester, NY

07/02-06/04 Instructor, Columbia University College of Physicians & Surgeons, New York, NY

## **PROFESSIONAL ACTIVITIES**

### **Major Committee Assignments:**

#### LOCAL

2009-2012 Member, Advisory Board, Memorial Heart & Vascular Institute

2009-2012 Clinical Research Committee, Memorial Heart & Vascular Institute

2011-2012 Chairman, Executive Committee, Memorial Heart & Vascular Institute

2012-present Board of Directors, Los Angeles Society of Echocardiography

#### REGIONAL

2004-2007 International Medical Graduate Committee, Medical Society of the State of New York

#### NATIONAL

2005-2007 Founding Member, ACC Fellows in Training Committee, American College of Cardiology

2005-2007 AHA Fellows' Society of Greater New York, American Heart Association

### **Professional Societies:**

2001-2004 American College of Physicians, Member

2001-2007 American Medical Association, Member

2004-2007 American Heart Association, Member

2004-2007 American College of Cardiology, Member

2007-present Society of Cardiovascular Magnetic Resonance, Member

2008-present Society of Cardiovascular Computed Tomography, Member

2008-present American Society of Echocardiography, Licensed Member

2012-present Los Angeles Society of Echocardiography

### **Community Service Related to Professional Work:**

1999-2000 Senior House Officer - Community Service, Groote Schuur Hospital, University of Cape Town, South Africa

**Community Service:**

10/1/13 – 2018      Advisory Board Member, Ilan Ramon Day School, Agoura CA  
2014 – Present      Chabad Mench Club President

**Activities in Scholarly And Professional Societies:**

2013 – Present      American College of Cardiology: Cardiovascular Imaging in 2020  
Committee

**Editorial Boards:**

2007-present      Reviewer, Clinical Cardiology  
2007-present      Reviewer, International Journal of Cardiology  
2007-present      Reviewer, International Journal of Cardiovascular Imaging  
2007-present      Reviewer, Echocardiography  
2008-present      Reviewer, American Journal of Cardiology  
2010-present      Section Editor, iReviews, Journal of the American College of  
Cardiology (JACC) Imaging

**Other Professional Activities:**

2013 – 2018      Co-Founder and Chief Medical Officer, PadInMotion.

**Consulting:**

2009 – Present      Lantheus Medical Imaging - consultant  
2011 – 2018      Maximus Federal Services - medical insurance reviews

**HONORS & SPECIAL AWARDS**

2004      Henry I. Russek Award, New York Cardiovascular Symposium,  
American College of Cardiology  
2005      Second place, H.J.C. Swan Memorial Prize for Medical Writing,  
Cardiology Journal, Basel, Switzerland  
2006      Winner, Sable Foundation Grant for Cardiovascular Research, U. Of  
Rochester School of Medicine and Dentistry  
2006      Scripps Clinic Interventional Cardiology Fellowship Award,  
Scripps Clinic, Sand Diego, CA  
2006      Finalist, Northwestern University Young Cardiovascular Forum,  
Northwestern U. Medical School  
2006      Finalist, Duke Clinical Research Institute Abstract Contest, Duke  
University

2006-2007	Chief Fellow in Cardiovascular Medicine, U. Of Rochester School of Medicine and Dentistry
2007	ACCF Bristol-Myers Squibb Research Award, American College of Cardiology Foundation
2007	Star Award of Excellence, U. Of Rochester School Of Medicine And Dentistry
2012-2013	UCLA Faculty Award – Recognition of Outstanding Accomplishments in Fellow Teaching

## RESEARCH GRANTS AND FELLOWSHIPS RECEIVED

1. Sable Foundation Award, “Tissue Factor, Aspirin and Clopidogrel Resistance in Acute Stent Thrombosis”, \$25,000, 2006-2007, PI: Vorobiof, G.
2. Gilead Sciences, Inc. “Impact of Ranolazine on Myocardial Ischemia Detected by High-Field 3T Cardiovascular Magnetic Resonance (CMR) Imaging and P-31 Spectroscopy.” \$209,350. 2011-2012. PI: Vorobiof, G.

### (Non-Funded) Activities:

2004-2007	Co-Principal Investigator. Comparative follow-up study for patients with Cordis Symmetry Aortic Connector Device in Coronary Artery Bypass Grafting Surgery
2005-2007	Investigator. Inhibiting BARK function in vivo to ameliorate cardiac dysfunction
2006-2007	Investigator, University of Rochester. DORADO Trial (Fixed Doses of Darusentan as Compared to Placebo in Resistant Hypertension)
2006-2007	Co-Principal Investigator. Strain Rate Imaging Predicts Subclinical Cardiac Dysfunction in Patients Receiving CHOP Chemotherapy
2007-2010	Co-Principal Investigator. Comparison of Plaque Morphology in ST elevation Myocardial Infarction and Stable Coronary Disease by Virtual Histology Intravascular Ultrasound (VH-IVUS)
2009-2011	Principal Investigator, DETERMINE Trial (DEfibrillators To REduce Risk by Magnetic ResoNance Imaging Evaluation)
2009-2012	Principal Investigator, COMPASS Trial (Coronary Obstruction Detection by Personalized Gene Expression)

2009-2014	Principal Investigator, PROMISE Trial (Prospective Multicenter Imaging Study for Evaluation of Chest Pain)
2011-2012	Three-Dimensional Echocardiographic Comparison of Mitral Valve Ring Geometry Before and After Annuloplasty: Predictors of Durability and Stability
2011-2012	Low-Dose Radiation Pulmonary CT Angiography Model Using Prospective ECG or Peripheral Pulse Triggering
2011-2012	Comprehensive Right Heart and Pulmonary Artery Imaging Using a Modified Dual Injection Computed Tomography Pulmonary Angiography Technique
2011-2012	A Novel Model for Cardiac Segmentation in Cardiac Imaging: The 12LV + 3RV Mercator Plot to Quantify Regional Myocardial Ischemia and Infarction
2011-2013	Early Evaluation of Clinical and Hemodynamic Performance of the Trifecta Aortic Valve Tissue Prosthesis
2014-2018	Site Principal Investigator for national ISCHEMIA Trial, funded by National Heart, Lung & Blood Institute (NHLBI), NIH.

## LECTURES AND PRESENTATIONS

1. Acute Myocarditis by Cardiac MRI; Brigham & Women's  
Boston, MA 5/21/08
2. Physiology of the Endothelium; Bridgeport Hospital  
Bridgeport, CT 10/23/08
3. Imaging of Non-Ischemic Cardiomyopathy; St. Mary's Hospital  
Waterbury, CT 10/31/08
4. How to Integrate Cardiac MRI into Practice; St. Mary's Hospital  
Waterbury, CT 11/4/08
5. Using Cardiac MRI for Electrophysiology I; Yale University  
New Haven, CT 12/10/08
6. Multimodality Cardiac Imaging; Yale University  
New Haven, CT 1/16/09
7. Cardiac MRI in Myocardial Rejection; Yale University  
New Haven, CT 1/23/09
8. Using Cardiac MRI for Electrophysiology II; Yale University  
New Haven, CT 2/5/09
9. Delayed Myocardial Enhancement; Yale University  
New Haven, CT 2/9/09
10. When Should I be Using Cardiac CT?; St. Mary's Hospital  
Waterbury, CT 2/11/09

11. Cardiac CT & MRI Cases; Yale University  
New Haven, CT 2/12/09
12. Cardiac CT and MRI Clinical Cases; Yale University  
New Haven, CT 3/5/09
13. Intro to Cardiac Imaging for Med Students; Yale University  
New Haven, CT 3/9/09
14. 3 Dimensional Echocardiography; Norwalk Hospital  
Norwalk, CT 3/11/09
15. Radiology Cardiac Case Conference; Yale University  
New Haven, CT 4/6/09
16. Using T2W Imaging post Cardiac Transplant; Yale University  
New Haven, CT 4/17/09
17. Cardiac Masses; Yale University  
New Haven, CT 4/27/09
18. Cardiac CTA in Clinical Diagnosis of CAD; Yale University  
New Haven, CT 5/26/09
19. Recent Cardiac CT & MRI Cases; Yale University  
New Haven, CT 6/1/09
20. Introduction to CMR Protocols; Yale University  
New Haven, CT 6/16/09
21. Non-Ischemic Cardiomyopathies by CMR; Yale University  
New Haven, CT 6/23/09
22. Stress Cardiac MRI Perfusion ; Yale University  
New Haven, CT 6/23/09
23. Coronary CTA for the Interventionalist; Yale University  
New Haven, CT 6/24/09
24. Basics of Cardiac CTA; Yale University  
New Haven, CT 7/10/09
25. Cardiac CT & MRI for the Radiologist I; Bridgeport Hospital  
Bridgeport, CT 8/5/09
26. Introduction to Cardiac MRI for Fellows; Yale University  
New Haven, CT 8/13/09
27. Cardiac CT & MRI for the Radiologist II; Bridgeport Hospital  
Bridgeport, CT 8/21/09
28. Cardiac CT for UCI Fellows; UC Irvine  
Irvine, CA 9/22/09
29. Multimodality Cardiovascular Imaging; Long Beach Memorial  
Long Beach, CA 10/28/09
30. Cardiac CT: Current Role & Future Potential; UC Irvine  
Irvine, CA 2/16/10
31. Cardiac CT in the Emergency Room; Long Beach Memorial  
Long Beach, CA 3/10/10
32. Cardiac CT Artifacts; Long Beach Memorial  
Long Beach, CA 5/19/10
33. Cardiac CT for Valvular Disease; Long Beach Memorial  
Long Beach, CA 6/9/10

34. Multimodality Cardiac Imaging; Morningside Hospital  
Johannesburg, SA 6/30/10
35. Cardiac Imaging in the USA; Johannesburg General  
Johannesburg, SA 7/1/10
36. Cardiac MRI Fellows Bootcamp; UC Irvine  
Irvine, CA 8/10/10
37. Contrast Echocardiography; Long Beach Memorial  
Long Beach, CA 12/16/10
38. Preventive Cardiology; Temple Aliyah  
West Hills, CA 2/1/11
39. Using Contrast Echocardiography; UC Irvine  
Irvine, CA 3/29/11
40. Using CMR for Valvular Disease; Cedars Sinai  
Beverly Hills, CA 5/16/11
41. Echocardiography vs CT/MRI for Valves; American Society of Echo  
Montreal, QC 6/11/11
42. Advanced Imaging in Valvular Disease; San Pablo Institute  
Lima, Peru 8/17/11
43. Applying Echo Guidelines in Valvular Dis; San Pablo Institute  
Lima, Peru 8/18/11
44. Using Echo Contrast in Clinical Practice; Kaiser Riverside  
Riverside, CA 8/30/11
45. Transesophageal Echocardiography; UC Irvine  
Irvine, CA 10/9/11
46. Contrast Stress Echocardiography; Orange Coast Memorial  
Fountain Valley, CA 10/12/11
47. Imaging for Ischemic Heart Disease; UCLA Monthly CCU  
Los Angeles, CA 2012-2015
48. Interesting Clinical Cases; LA Society of Echo  
VA Hospital 6/13/12
49. Introduction to Stress ECG; Dept. Nuclear Medicine  
Los Angeles, CA 7/5/12
50. Using Cardiac MRI for Valve Assessment; Community Dinner Program  
Beverly Hills, CA 8/7/12
51. Advances in Transcatheter Aortic Valve Rx; Dept. Medicine Grand Rounds  
Los Angeles, CA 8/14/12
52. Introduction to TEE; Cardiothoracic Surgery  
Los Angeles, CA 8/15/12
53. New SPECT Hardware including D-SPECT; Dept. Nuclear Medicine  
Los Angeles, CA 9/21/12
54. Nuclear Cardiology Journal Club; Monthly  
Los Angeles, CA 2012-2016
55. Assorted Cardiovascular Imaging topics; Monthly imaging conference  
Los Angeles, CA 2012-2016
56. Methods for Assessing LVEF Poor Quality; Quarterly Echo Lab Meeting  
Los Angeles, CA 4/6/13

57. Introduction to Echo Contrast ; Cardiology Fellows Conference  
Los Angeles, CA 4/15/13
58. Cardiovascular CT for Fellows; UCLA  
Los Angeles, CA 8/5/13
59. Cardiac MRI For Fellows; UCLA  
Los Angeles, CA 9/9/13
60. Aortic Stenosis Paradoxus; Cardiology Grand Rounds  
Los Angeles, CA 9/13/13
61. Strategies for Nuclear Cardiologists; Astellas Advisory Board  
San Francisco, CA 10/11/13
62. Low Gradient Severe Aortic Stenosis; LA Society of Echo  
Los Angeles, CA 10/17/13
63. Nuclear Cardiology Journal Club; Dept. Nuclear Medicine  
Los Angeles, CA 12/5/13
64. TAVR: A New Era for AS; Community Memorial Hospital  
Ventura, CA 12/6/13
65. Echocardiology IAC Lab Meeting Monthly  
Los Angeles, CA 2013-2016
66. Detection of Ischemia 31P MR Spectroscopy; Community Dinner Meeting  
Beverly Hills, CA 2/11/14
67. Cardiac Amyloidosis; Cardiology Case Conference  
Los Angeles, CA 3/2/14
68. Dr. Anthony Koppula ; Fellows Graduation  
Los Angeles, CA 6/4/14
69. Moderate to Severe Myocardial Ischemia; Cardiology Fellows Conference  
Los Angeles, CA 6/25/14
70. ISCHEMIA Trial Introduction; Santa Monica Conference  
Santa Monica, CA 7/31/14
71. Introduction to Mitral Valve Disease; Cardiology Fellows Conference  
Los Angeles, CA 8/28/14
72. Acute Coronary Syndromes by CT/MRI; National Peruvian Cardiology  
Lima, Peru 9/18/14
73. Lead aVR in Clinical Cardiology; National Peruvian Cardiology  
Lima, Peru 9/18/14
74. Viability Testing: An Update ; National Peruvian Cardiology  
Lima, Peru 9/19/14
75. Intermediate Coronary Assessment of Lesions; National Peruvian Cardiology  
Lima, Peru 9/19/14
76. Aortic Stenosis Paradoxus; National Peruvian Cardiology  
Lima, Peru 9/20/14
77. Chest Pain in Acute Aortic Syndromes; Aortic Center Symposium  
Los Angeles, CA 11/7/14
78. Cardiac Tamponade; Internal Medicine Case Conference  
Los Angeles 11/13/14
79. Introduction to Transesophageal Echo; Cardiology Fellows Conference  
Los Angeles, CA 1/8/15

80. An Update on Mitral Regurgitation; LA Society of Echo  
Los Angeles, CA 1/20/15
81. Detection & Management of Ischemia; Cardiology Grand Rounds  
Los Angeles, CA 4/24/15
82. 3D Echocardiography: Uses & Directions; Cardiology Fellows Conference  
Los Angeles, CA 4/29/15
83. Dr. Houman Khakpour; Cardiology Fellows Graduation  
Los Angeles, CA 6/8/15
84. Myocardial Deformation & Strain; Cardiology Fellows Conference  
Los Angeles, CA 6/26/15
85. Introduction to Cardiac MRI; Cardiology Fellows Conference  
Los Angeles, CA 7/29/15
86. Dr. John Dinkler; Cardiology Fellows Graduation  
Los Angeles, CA 6/16/16
87. Introduction to Cardiac MRI; Cardiology Fellows Conference  
Los Angeles, CA - 7/28/16
88. Introduction to Nuclear Cardiology; Cardiology Fellows Conference  
Los Angeles, CA - 8/11/16
89. Aortic stenosis paradoxus; LASE Lecture  
Los Angeles, CA - 8/17/16
90. Nuclear cardiology journal discussion; Nuclear Cardiology Journal Club  
Los Angeles, CA 1/5/17
91. Introduction to Nuclear Cardiology; Cardiology Fellows Conference  
Los Angeles, CA 8/10/17
92. Introduction to Cardiac CT; Cardiology Fellows Conference  
Los Angeles, CA 8/17/17
93. Introduction to Cardiac MR; Cardiology Fellows Conference;  
Los Angeles, CA 8/24/17
94. Introduction to Cardiac MR; Cardiology Fellows Conference;  
Los Angeles, CA 7/31/18
95. Introduction to Cardiac CT; Cardiology Fellows Conference  
Los Angeles, CA 8/24/18
96. Introduction to Cardiac CT; Cardiology Fellows Conference  
Los Angeles, CA 8/11/19
97. Introduction to Cardiac MR; Cardiology Fellows Conference;  
Los Angeles, CA 8/18/19
98. Prosthetic Valve Assessment by Echo; Cardiology Fellows Conference;  
Los Angeles, CA 1/16/20
99. Introduction to Cardiac CT; Cardiology Fellows Conference  
Los Angeles, CA 8/25/20
100. Introduction to Cardiac MR; Cardiology Fellows Conference;  
Los Angeles, CA 9/1/20
101. Prosthetic Valve Assessment by Echo; Cardiology Fellows Conference;  
Los Angeles, CA 2/8/20
102. Interactive Echo Reading; Cardiology Fellows Conference  
Los Angeles, CA 3/19/21

103. Interactive Echo Reading; Cardiology Fellows Conference  
Los Angeles, CA 4/23/21
104. Introduction to Cardiac CT; Cardiology Fellows Conference  
Los Angeles, CA 8/4/21
105. Introduction to Cardiac MR; Cardiology Fellows Conference;  
Los Angeles, CA 8/11/21

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B. RESEARCH PAPERS - PEER REVIEWED (IN PRESS)

None

C. RESEARCH PAPERS - PEER REVIEWED (SUBMITTED)

None

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D. RESEARCH PAPERS - NON-PEER REVIEWED

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None

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None

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None

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