

**IN THE UNITED STATES DISTRICT COURT  
FOR THE SOUTHERN DISTRICT OF FLORIDA, MIAMI DIVISION**

ANTHONY SWAIN; ALEN  
BLANCO; BAYARDO CRUZ;  
RONNIEL FLORES; WINFRED  
HILL; DEONDRE WILLIS; PETER  
BERNAL, individually and on behalf  
of all others similarly situated,

Plaintiffs,

v.

DANIEL JUNIOR, in his official  
capacity as Director of the Miami-  
Dade Corrections and Rehabilitation  
Department; MIAMI-DADE  
COUNTY, FLORIDA,

Defendants

Case No. 1:20-cv-21457

**Petition for Writ of Habeas Corpus and  
Complaint for Injunctive and  
Declaratory Relief**

Class Action

**IMMEDIATE RELIEF SOUGHT**

**Declaration of Dr. Armen Henderson**

**I. Background and Qualifications**

1. My name is Armen Henderson. I am an Assistant Professor of Medicine at University of Miami, Miller School of Medicine, a Hospitalist on the frontline of the COVID-19 pandemic both at the University of Miami Hospital and in the community with the Dade County Street Response Homeless Relief Team. Throughout my life, I have been an advocate for poor and working-class individuals and I have continued this mission as a physician organizer with Dream Defenders.
2. My C.V. includes a list of my education, honors, experience, and publications, and it is attached as Exhibit A.
3. I am donating my time reviewing materials and preparing this report. Any live testimony I provide will also be provided *pro bono*.
4. I have not testified as an expert at trial or by deposition.
5. This declaration incorporates the findings in sworn declaration submitted by Dr. Jaimie Meyer, Assistant Professor of Medicine at Yale School of Medicine and Assistant Clinical Professor of Nursing at Yale School of Nursing in New Haven, Connecticut, in

federal court in New York. Dr. Meyer is board certified in Internal Medicine, Infectious Diseases and Addiction Medicine.

6. I have reviewed Dr. Meyer's report, as well as the declaration of Dr. Pedro J. Greer. Based on my own training and background, I strongly agree with those analyses.

## **II. Jails and Prisons are uniquely vulnerable**

7. The Institute for Crime and Justice Policy identifies that there are over 2.1 million persons incarcerated in the USA<sup>1</sup>, and as I will discuss below, there is a very high risk of infectious diseases in jails and prisons.
8. Infectious diseases have a greater impact within the walls of jails and prisons than outside those walls, due to the number of people held there, their proximity to one another and the downplaying of the health concerns and needs of people held there.
9. Outbreaks of contagious diseases occur frequently in jails and prisons. Even before COVID19, infectious disease accounted for 17.5% of prison deaths.<sup>2</sup> The higher background prevalence of infection contributes significantly to the high risks of COVID19 spread and dissemination in prisons.
10. Prisons and jails are not isolated from communities. The multiplicity of people passing in and out of the facilities increase the likelihood that disease can be passed to those held within.
11. Jails and prisons are under-resourced within in terms of equipment, personnel, and medications, and thus rely on hospitals to provide emergency or more resource-intensive care.

## **III. COVID-19<sup>3</sup>**

12. The novel coronavirus, officially known as SARS-CoV-2, causes a disease known as COVID-19. The virus is thought to pass from person to person primarily through respiratory droplets (by speaking, coughing or sneezing) but also survives on inanimate surfaces. Van Doremalen et al. evaluated the stability of SARS-CoV-2 and discovered that the virus is stable and viable on plastic and stainless steel up to 3 days (72 hours) after application to these surfaces, and up to 24 hours on cardboard, 4 hours on copper and for at least 3 hours by aerosol.<sup>4</sup>

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<sup>1</sup> WPB World Prison Brief. Highest to Lowest Prison Population Total [https://www.prisonstudies.org/highest-to-lowest/prison-population-total?field\\_region\\_taxonomy\\_tid=All](https://www.prisonstudies.org/highest-to-lowest/prison-population-total?field_region_taxonomy_tid=All)

<sup>2</sup> Yang H, Thompson JR. Fighting covid-19 outbreaks in prisons. *BMJ*. 2020 Apr 2;369:m1362. doi: 10.1136/bmj.m1362.

<sup>3</sup> This whole section draws from Broks J. Global Epidemiology and Prevention of COVID19, COVID-10 Symposium, Conference on Retroviruses and Opportunistic Infections (CROI), virtual (March 10, 2020); *Coronavirus (COVID-19)*, Centers for Disease Control, <https://www.cdc.gov/coronavirus/2019-ncov/index.html>; Brent Gibson, *COVID-19 (Coronavirus): What You Need to Know in Corrections*, National Commission on Correctional Health Care (February 28, 2020), <https://www.nccchc.org/blog/covid-19-coronavirus-what-you-need-to-know-in-corrections>.

<sup>4</sup> van Doremalen N, Bushmaker T, Morris DH, Holbrook MG, Gamble A, Williamson BN, Tamin A, Harcourt JL, Thornburg NJ, Gerber SI, Lloyd-Smith JO, de Wit E, Munster VJ. Aerosol and Surface Stability of SARS-CoV-2 as

13. People seem to be most able to transmit the virus to others when they are sickest but recent data from China has demonstrated that nearly 13% of transmission arises from asymptomatic or presymptomatic individuals,<sup>5</sup> and it is possible that transmission can continue for weeks after symptoms resolve.<sup>6,7</sup> In China, where COVID-19 was first detected, the average infected person passed the virus on to 2-3 other people; with transmission being most frequent among those within a distance of 3-6 feet. Recent work at MIT shows that coughs, common to patients with COVID19 include not only droplets but also create turbulent clouds of pathogen-bearing droplets that are propelled much farther than if they were emitted in isolation without a turbulent puff cloud trapping and carrying them forward and travel 23 to 27 feet (7-8 m). Based on these data, even the recommended separations of 3 to 6 feet (1-2 m) underestimate the distance, timescale, and persistence over which the pathogenic clouds of SARS-CoV2 travel.<sup>8</sup>
14. Not only is the virus very efficient at droplet transmission, this is a new virus and until its emergence all humans were immunologically naïve, thus everyone is at risk of infection. There are multiple current efforts towards the development of a safe and effective vaccine, however such a vaccine is extremely challenging based on the natural history of coronaviruses, which have antibody mediated enhancement.<sup>9</sup> It is thus, highly optimistic that there would be such a vaccine within the next two years and more likely it will take 2 to 5 years or longer before a vaccine is available for general public. New and old compounds are under investigation as antiviral medications<sup>10</sup> but, none has yet achieved FDA-approved. People in prison and jail will likely have even less access to these novel health strategies as they become available.
15. Most people (80%) who become infected with COVID-19 will develop either a mild upper respiratory infection (35%) or a moderate ‘walking’ pneumonia (55%), while

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Compared with SARS-CoV-1. *N Engl J Med*. 2020 Mar 17. doi: 10.1056/NEJMc2004973. [Epub ahead of print]

[https://www.nejm.org/doi/full/10.1056/NEJMc2004973?url\\_ver=Z39.88-](https://www.nejm.org/doi/full/10.1056/NEJMc2004973?url_ver=Z39.88-)

[2003&rfr\\_id=ori:rid:crossref.org&rfr\\_dat=cr\\_pub%3dpubmed](https://www.nejm.org/doi/full/10.1056/NEJMc2004973?url_ver=Z39.88-2003&rfr_id=ori:rid:crossref.org&rfr_dat=cr_pub%3dpubmed)

<sup>5</sup> Du Z, Xu X, Wu Y, Wang L, Cowling BJ, Ancel Meyers L. Serial interval of COVID-19 among publicly reported confirmed cases. *Emerg Infect Dis*. 2020 Jun [date cited]. <https://doi.org/10.3201/eid2606.200357>

<sup>6</sup> Lan L, Xu D, Ye G, Xia C, Wang S, Li Y, Xu H. Positive RT-PCR Test Results in Patients Recovered From COVID-19. *JAMA*. 2020 Feb 27. doi: 10.1001/jama.2020.2783. [Epub ahead of print]

<https://jamanetwork.com/journals/jama/fullarticle/2762452>

<sup>7</sup> AN J, Liao X, Xiao T, Qian S, et al. Clinical characteristics of the recovered COVID-19 patients with re-detectable positive RNA test. 30 March 2020 <https://doi.org/10.1101/2020.03.26.20044222>

<https://www.medrxiv.org/content/10.1101/2020.03.26.20044222v1.full.pdf>

<sup>8</sup> Bourouiba L. Turbulent Gas Clouds and Respiratory Pathogen Emissions Potential Implications for Reducing Transmission of COVID-19. *JAMA insights*. Published online March 26, 2020. doi:10.1001/jama.2020.4756

[https://jamanetwork.com/journals/jama/fullarticle/2763852?appId=scweb&fbclid=IwAR31jq\\_syyGWphf0mzdJNmddm\\_sdLLcIHM8WBlbey5CHbVj72dNzoZ-o2abu8](https://jamanetwork.com/journals/jama/fullarticle/2763852?appId=scweb&fbclid=IwAR31jq_syyGWphf0mzdJNmddm_sdLLcIHM8WBlbey5CHbVj72dNzoZ-o2abu8)

<sup>9</sup> Tetro JA. Is COVID-19 receiving ADE from other coronaviruses? *Microbes and Infection*. March 2020; 22(2):72-73 <https://www.sciencedirect.com/science/article/pii/S1286457920300344?via%3Dihub>

<sup>10</sup> Milken Institute. COVID-19 Treatment and Vaccine Tracker. [https://milkeninstitute.org/sites/default/files/2020-03/Covid19%20Tracker\\_WEB.pdf?fbclid=IwAR3-v7etWwPb8qMb-1AZpShZF68UaNpuKHuDFY7R4Ot0q5TOY9dvUWwSgV0](https://milkeninstitute.org/sites/default/files/2020-03/Covid19%20Tracker_WEB.pdf?fbclid=IwAR3-v7etWwPb8qMb-1AZpShZF68UaNpuKHuDFY7R4Ot0q5TOY9dvUWwSgV0)

20% present with either serious illness to critical illness<sup>11</sup>, and 1 to 3% die.<sup>12</sup> The risk of serious illness and death increases with age, and in those with underlying health conditions, especially cardiovascular disease, hypertension, chronic lung disease, and diabetes.<sup>13</sup> Among those individuals, the risk of poor outcomes, included the need for mechanical intervention is over 20%. Death in COVID-19 infection is usually results from ARDS, sepsis, and cardiomyopathy, and without medical intervention would kill approximately 3-4% of the population. The emergence of COVID-19 during influenza season contributed to many persons with dual infection with COVID19 and flu, and there are a significant number of persons with bacterial pneumonia and flu, particularly among those unvaccinated for influenza vaccine or pneumococcal vaccine. Dual infections with COVID19 are common, because SARS-CoV2 causes lymphopenia<sup>14</sup> and increases a person's susceptibility of other infections.

16. Treatment of those infected with COVID-19 depends on how they ill they are at presentation and how their disease progresses.<sup>15</sup> People with mild or moderate symptoms may not require hospitalization but should be treated in isolation from others in a home or hotel room but without contact with others unless a care-provider if needed, and such a care-provider should wear personal protective masks and gloves. People with moderate symptoms may at times require hospitalization for supportive care, including intravenous fluids and supplemental oxygen. People with severe symptoms or critical symptoms may require ventilation and intravenous meds. Public health officials anticipate that hospital settings will be overwhelmed and beyond capacity to provide this type of intensive care as COVID-19 becomes more widespread in communities.
17. Prevention is the best approach to this disease, and this is why cities and states around the country have put "shelter in place" orders into effect and strongly urged people to practice "social distancing."

#### **IV. Metro West Detention Center**

18. In preparing this report I have reviewed the declarations of the Plaintiffs in this case and the declarations of Dr. Greer and Dr. Meyer.

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<sup>11</sup> WHO-China Joint Mission Report. 16-14 Feb 2020. <https://www.who.int/docs/default-source/coronaviruse/who-china-joint-mission-on-covid-19-final-report.pdf>

<sup>12</sup> *Coronavirus Disease 2019 (COVID-19): Situation Summary*, Centers for Disease and Prevention (March 14, 2020), [https://www.cdc.gov/coronavirus/2019-ncov/cases-updates/summary.html?CDC\\_AA\\_refVal=https%3A%2F%2Fwww.cdc.gov%2Fcoronavirus%2F2019-ncov%2Fsummary.html](https://www.cdc.gov/coronavirus/2019-ncov/cases-updates/summary.html?CDC_AA_refVal=https%3A%2F%2Fwww.cdc.gov%2Fcoronavirus%2F2019-ncov%2Fsummary.html).

<sup>13</sup> *Clinical course and risk factors for mortality of adult inpatients with COVID-19 in Wuhan, China: a retrospective cohort study*, *The Lancet* (published online March 11, 2020), [https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(20\)30566-3/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(20)30566-3/fulltext).

<sup>14</sup> Bermejo-Martin JF, Almansa R, Menendez R Mendez R, Kelvin DJ, Torres A. 28 Feb 2020 *J Infect*. 2020 Mar 5. pii: S0163-4453(20)30110-9. doi: 10.1016/j.jinf.2020.02.029. [Epub ahead of print] [https://linkinghub.elsevier.com/retrieve/pii/S0163-4453\(20\)30110-9](https://linkinghub.elsevier.com/retrieve/pii/S0163-4453(20)30110-9)

<sup>15</sup> *Coronavirus Disease 2019 (COVID-19): Interim Clinical Guidance for Management of Patients with Confirmed Coronavirus Disease*, Centers for Disease Control and Prevention (March 7, 2020), <https://www.cdc.gov/coronavirus/2019-ncov/hcp/clinical-guidance-management-patients.html>.

19. In my professional judgment, the Metro West Detention Center does not have the resources to avoid a COVID-19 outbreak. There is a heightened risk of an outbreak for those held at the jail, the corrections staff and the whole Miami community both because the conditions fail to prevent further transmission of the disease and because of the potential burden this places on the public health system broadly.
20. Failure to properly sanitize common areas and high-touch surfaces coupled with failure to provide sufficient amounts of soap (for multiple washings per day), and failure to provide hand-drying materials like paper towels that can be thrown away (otherwise people are forced to reuse dirty towels or wipe down their hands on their uniforms, not CDC-recommended), as well as failure to provide basic hygienic products like tissues, place the inmates and corrections staff at high risk for COVID-19.
21. Failure to provide sufficient masks to staff or those held puts the staff at risk of infection from the people detained, and the people detained are placed at risk from presymptomatic and asymptomatic staff. Given the changing information about the transmission of COVID-19 and the possibility of it being airborne, especially in enclosed spaces, it is now advised that those in direct contact wear N95 masks. If this is not provided, the entire population and staff are at risk of being infected.
22. The jail is unable to provide an environment where social distancing is possible due to the proximity of the bunk beds both side by side and on top of each other, even while detained persons have alleged that there are multiple people coughing and present in the same cell.
23. The delays in access to care are concerning. Based on the plaintiff's description that at Metro West they are asked to fill out a medical slip and then wait days before they see someone, even when they are exhibiting symptoms that suggest COVID-19 infection. This can prove to be deadly to those needing medical care as the virus causes rapid decline in function, especially in those with pre existing conditions.
24. People held in detention have an increased risk of death due to infection due to an inability to attend to any chronic conditions they may have. Many of these individuals may also end up needing critical care and having to be transferred to Jackson Memorial Hospital, already overcrowded with critically ill patients.
25. Inadequate screening and testing procedures in facilities increase the widespread COVID-19 transmission both in the jail and outside in the community placing the public's health at great risk.
26. The neglect of individuals with acute pain and serious health needs under ordinary circumstances is also strongly indicative that the facilities will be ill-equipped to identify, monitor, and treat a COVID-19 epidemic.

## **V. Conclusion and Recommendations**

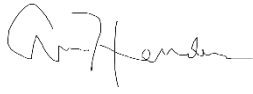
27. In my professional judgment, those held in detention at Metro West Detention Center are at a heightened risk of contracting COVID-19, and are also at a higher risk of severe harm if they do contracted the disease.
28. A reduction in the size of the population in jails and prisons is a key step to reducing the level of risk both for who both are housed and work within those facilities and for the community at large. On 30 March, the Daily Eagle reported that, roughly 3.6 percent of the city jail population has tested positive for COVID-19, noting that at least 167 inmates and 114 jail staffers were positive for COVID19.<sup>16</sup> Given the epidemiological estimates we have seen in the community, these numbers have likely grown exponentially.
29. From a public health perspective, it is my strong opinion that individuals who can **safely and appropriately** remain in the community not be placed in the Metro West Detention Center at this time. I am also strongly of the opinion that individuals who are already in those facilities should be evaluated for release, and that a careful evaluation of procedural and housing guidance is created for those who remain in the facilities during the “stay at home” mandate, and possibly until the epidemic is contained.
30. Release is even more important for those individuals with preexisting conditions (e.g., heart disease, chronic lung disease such as asthma or bronchitis, chronic liver disease, suppressed immune systems due to conditions such as HIV, cancer, and diabetes) or who are over the age of 60.<sup>17</sup> Their continued detention puts their health at greater risk and they run a meaningfully higher risk of death.
31. It is my professional opinion that these steps are both necessary and urgent. The horizon of risk for COVID-19 in these facilities is a matter of days, not weeks.
32. Public health does not stop at the jail or prison’s walls. The health of those held in jails and prisons should be a concern to the whole community – if we do not protect their health, we are putting the whole community’s health at risk.

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<sup>16</sup> Brand D. At least 167 NYC inmates, 114 jail staffers now have COVID-19 March 30, 2020. The Daily Eagle. <https://queenseagle.com/all/2020/3/30/at-least-167-nyc-inmates-114-jail-staffers-now-have-covid-19>

<sup>17</sup> *Report of the WHO-China Joint Mission of Coronavirus Disease 2019 (COVID-19)* (Feb. 16-24 2020), available at <https://www.who.int/docs/default-source/coronaviruse/who-china-joint-mission-on-covid-19-final-report.pdf>.

I declare under penalty of perjury that the foregoing is true and correct to the best of my ability.

A handwritten signature in cursive script, appearing to read "A. Henderson".

\_\_\_\_\_  
Name

4/6/2020

Date

**EXHIBIT A**  
**Curriculum Vitae**

**ARMEN HENDERSON, MD-MBA**

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Current Address  
5575 SW 6<sup>th</sup> Street  
Coral Gables, FL 33134  
[Adh113@med.miami.edu](mailto:Adh113@med.miami.edu)  
610.715.9989

**EDUCATION**

**University of Miami/Jackson Memorial Hospital, FL**  
Degree: Residency    Concentration: Internal Medicine  
Graduation: May 2017

**Meharry Medical College, TN**  
Degree: M.D.  
Graduation: May 2014

**Owen Graduate School of Management, TN**  
Degree: MBA    Concentration: Healthcare/Management  
Graduation: May 2014

**Mansfield University of Pennsylvania, PA**  
Degree: Bachelor of Science    Concentration: Biology/Chemistry  
Graduation: May 2008

**PROFESSIONAL EXPERIENCE**

**Founder, DADE COUNTY STREET RESPONSE** 2018- present

- Teaching civilians how to approach gunshot wound victims using conflict mitigation, Stop the Bleed and CPR
- Leading a disaster relief team that responds to vulnerable communities during emergencies including hurricanes and pandemics.
- Educating physicians and patients on the effects of environmental destruction on health among vulnerable populations.
- Coordinating efforts to bring a trauma recovery center to liberty city that provides access to free mental health services, in conjunction with local medical institutions.

**Assistant Professor of Medicine, UNIV OF MIAMI, MILLER SCHOOL OF MEDICINE** 2017- present

- Providing top notch, patient centered, evidence based care to patients at University of Miami hospital
- Teaching medical students, residents and observers at UM and JM hospitals
- Serving on the admissions committee for the Miller School of Medicine and Jackson Memorial hospital internal medicine programs.



**Health Policy Intern**, AMERICAN COLLEGE OF PHYSICIANS

Summer 2016

- Provided assistance with researching and analyzing current issues in health and medical education policy, assisting with on-going advocacy initiatives, and the development of advocacy materials
- Attended Congressional hearings, coalition meetings, and accompany government affairs staff on lobby visits to members of congress and their staff
- Advised the organization to focus on social determinants of health by drafting future legislation in its favor

**Board Member**, TEEN UPWARD BOUND

January 2016- Present

- Reviewed and analyzed current practices and guidelines that govern the organization to make sure they were up to standard with funding opportunities
- Participated and organized fundraising initiatives
- Reviewed grants and approved new rules along with conflict resolution among stakeholders within the organization

**Council Member**, ALLEGHENY FRANCISCAN MINISTRY CGI

April 2015-Present

- Focused in the community of Overtown, the council decides where and how to spend \$7M to bring jobs, youth opportunities and community voice to local government
- Advised to give \$600K to a local coalition of 20 organizations that focus on education and social work for youth in Miami- Dade
- Strategy, organizing, finance, team building with community emphasis

**Administrative Intern**, THE METHODIST HOSPITAL SYSTEM

Summer 2013

- Reviewed and analyzed current pre-operative department processes and services offered to determine impact on patient satisfaction scores and proposed necessary changes to improve both patient flow and patient satisfaction
- Evaluated current OR Efficiency to identify obstacles and determined best practices that must be in place to achieve an on-time start percentage of 90% as measured by patient in room time

**Project Pyramid Business Consultant**, THE SHALOM FOUNDATION

2012-2014

- Interviewed members of the medical, administrative/operations and management teams to understand scope, current processes, organizational challenges, finances and budget
- Analyzed and mapped workflow from perspectives of management, medical and administrative teams
- Evaluated technical and operational feasibility needed to implement an electronic medical record system
- Proposed and strategized EMR types and financing options for each in a team presentation

**Quality Improvement Officer**, VANDERBILT UNIVERSITY MEDICAL CENTER

2012-2013

- Process mapped catheter lab from procedural intervention to inpatient care
- Developed a protocol to establish a set pathway for returning patients to the appropriate unit following catheterization procedures to decrease the lapse in healthcare delivery
- Finalized integral pathways steps and presented findings to cardiac team for possible implementation

**National Academic Affairs Chair**, STUDENT NATIONAL MEDICAL ASSOCIATION

2010-2012

- Collaborated with companies including Kaplan, USMLE World and USMLE First Aid to offer discounts, free test prep courses and scholarships to 8000+ members. Led multiple online interactive webinars for members on how to pass board exams and excel in hospital rotations
- Led meetings with national, regional and local representatives about committee programming and progress
- Implemented workshops such as “Success on Boards and Wards”, “Business of Medicine” and “Where Medicine Can Take You” at the Annual Medical Education Conference of 1500+ medical student attendees

## RESEARCH AWARDS

- 1<sup>st</sup> Place, American College of Physicians (ACP) National Poster Winner 2011
- 1<sup>st</sup> Place, American College of Physicians (ACP) Regional Poster Winner 2012
- 1<sup>st</sup> Place, 55<sup>th</sup> Annual C. W. Johnson Research Recipient 2010
- 4<sup>th</sup> Place, Student National Medical Association Research Competition 2010

## RESEARCH EXPERIENCE

**NIH Research Intern**, UNIVERSITY OF PENNSYLVANIA-PHILADELPHIA, PA 2008-2010

- Aided in ovine open heart cardiopulmonary bypass procedures
- Aided in perfusion techniques and blood sampling
- Aided in ovine post surgical health upkeep and necropsies
- Performed western blotting, tissue and blood isolations, and RT PCR
- Attended weekly resident and PhD faculty research lectures

**Intern**, AFRICAN AMERICANS IN MEDICINE (AIM)-PHILADELPHIA, PA Summer 2007

- Shadowed 12 doctors on their daily rounds for a week at a time
- Sat in on heart valve replacement surgeries, reconstructive surgeries, colonoscopies, etc.
- Researched general disparities in healthcare

**Intern**, FOX CHASE CANCER CENTER-PHILADELPHIA, PA Summer 2006

- Performed western blot and cell culture, made solutions, kept track of chemical inventory.
- Performed mitochondrial preparations and protein extractions
- Presented findings for Group/Collaborator Discussions

**Intern**, UNIVERSITY OF PENNSYLVANIA -PHILADELPHIA, PA Summer 2005

- Performed RNA extractions and reverse transcription assays
- Mastered cell culture, Western Blotting and Real Time PCR
- Animal work, primarily bleeding and breeding mice
- Presented work at National Leadership Alliance Conference
- Shadowed two doctors on their daily rotations

**Lab Assistant**, US DEPARTMENT OF AGRICULTURE, ERRC- WYNDMOOR, PA Summer 2004

- Extracted proteins by performing the following techniques: gel electrophoresis, centrifugation and homogenization
- Analyzed data using a photo analysis program and sent results to the FDA

## POSTER/ORAL PRESENTATIONS

- The CLEO Institute- Empowering Capable Climate Communicators Symposium, Presenter Disaster Preparedness, a South Florida Model Post Hurricane Irma
- Committee of Interns and Residents, National Conference- presentation on racism in medicine
- American Medical Students Association- Poster presentation *Molecular Cardiac Surgery with Recirculating delivery in the Treatment of Heart Failure*
- **Armen Henderson** Danielle M. Thesier, JaBaris D. Swain, Michael G. Katz, Charles Yarnall, Anthony Fagnoli, Marina Sumaroka, Alice Isidro, Mihail Petrov, Lili Wang, David Holt, Rose Nolen-Walston, Walter J. Koch, Joseph Rabinowitz, Hansell H. Stedman& Charles R. Bridges, 2011
- American Society of Gene Therapy-Oral presentation *Molecular Cardiac Surgery: A Translatable, Highly Efficient, Global scAAV-6-Mediated Gene Delivery Technique to the Ovine Myocardium*
- Jennifer White MD, Danielle Thesier BS, **Armen Henderson BS**, JaBaris Swain MD, Michael Katz MD PhD, Charles Yarnall BS, Alice Isidro MS, Haiying Chen MD, David Holt BVSc, Jacquie Farag BS, Mihail Petrov MD, Stephen Soltys BS, Hansell Stedman MD, Joseph Rabinowitz PhD, Charles R. Bridges MD ScD, 2009.
- British Society of Gene Therapy-Oral presentation. *Adeno-associated Viral Vector-Mediated Gene Transfer to the Heart Using Molecular Cardiac Surgery: a Novel Translatable Closed Recirculation System for Myocardial Gene Delivery.*
- Jennifer White MD, JaBaris Swain, MD, Danielle Thesier BS, **Armen Henderson BS**, Michael Katz MD PhD, Charles Yarnall BS, Alice Isidro MS, Haiying Chen MD, David Holt BVSc, Jacquie Farag BS, Mihail Petrov MD, Stephen Soltys BS, Hansell Stedman MD, Joseph Rabinowitz PhD, Charles R. Bridges MD ScD, 2009.
- University of Pennsylvania Cardiovascular Institute-Poster presentation. *Molecular Cardiac Surgery with Closed Recirculation: A Translatable, Efficient, Global Vector-Mediated Gene Delivery Technique, 2009.*
- Jennifer White MD, JaBaris Swain, MD, Danielle Thesier BS, **Armen Henderson BS**, Michael Katz MD PhD, Charles Yarnall BS, Alice Isidro MS, Haiying Chen MD, David Holt BVSc, Jacquie Farag BS, Mihail Petrov MD, Stephen Soltys BS, Hansell Stedman MD, Joseph Rabinowitz PhD, Charles R. Bridges MD ScD, 2009.

## PUBLICATIONS (PEER REVIEWED AND OP-ED)

- <https://www.beckershospitalreview.com/quality/viewpoint-as-a-black-physician-i-understand-why-patients-distrust-medicine.html>
- [Inquirer Op Ed](#)
- <https://www.sun-sentinel.com/opinion/commentary/fl-viewpoint-health-20151218-story.html>

- <https://www.miamiherald.com/opinion/letters-to-the-editor/article51405915.html>
- Katz M, Swain J, Thesier D, White, J, **Henderson A**, Stedman HH, Bridges CR Methods for Vector Mediated Cardiac Gene Delivery: Potential for Clinical Translation (Invited Review). *Gene Therapy and Molecular Biology*, 2010 (accepted for publication).
- M, Thesier D, White, J, **Henderson A**, Stedman HH, Bridges CR. Cardiac Gene Delivery Methods in Large Animals. In: Duan, Dongsheng, (ed.) *Methods in Molecular Medicine: Muscle Gene Therapy – Methods and Protocols*. Totowa, NJ: Humana Press (in press, 2010).
- Katz MG, Swain JD, White JD, **Henderson A**, Thesier DM, Fagnoli A, Sumaroka M Tomasulo C, Isidro A, Yarnall C, Stedman H, Rabinowitz J, Bridges CR. Molecular Cardiac Surgery with Recirculating Delivery (MCARD™) for Gene and Cell Therapy: Surgical Technique and Quantitative Assessment of Cardiac Isolation Efficiency. (submitted *European J Card Thor Surg*, 2010).
- Swain J, Katz M, Thesier D, White, J, **Henderson A**, Stedman HH, Bridges CR. Cardiac Gene Delivery Methods in Large Animals. In: Duan, Dongsheng, (ed.) *Methods in Molecular Medicine: Muscle Gene Therapy – Methods and Protocols*. Totowa, NJ: Humana Press (in press, 2010).
- Jennifer D. White, Danielle M. Thesier, JaBaris D. Swain, Michael G. Katz, Catherine Tomasulo, **Armen Henderson**, Charles Yarnall, Anthony Fagnoli, Marina Sumaroka, Alice Isidro, Mihail Petrov, Lili Wang, David Holt, Rose Nolen-Walston, Walter J. Koch, Joseph Rabinowitz, Hansell H. Stedman& Charles R. Bridges: *Myocardial Gene Delivery using Molecular Cardiac Surgery with Recombinant Adeno-associated Virus Vectors In vivo*. Gene Therapy Accepted 2011.

#### AWARDS AND ACHIEVEMENTS

- **100 Great Ideas Incubator Recipient** 2019
- **People Matter Community Service Award** 2019
- **Black Male Empowerment (BMe) Grant and fellowship Recipient** 2018
- **Legacy Magazine’s Top Black Doctors in FL** Jan 2017
- **American College of Physicians Research Scholar** March 2012
- **Essex Sylvester Craven, M.D. Endowed Scholarship** October 2011
- **Charles W. Johnson 55<sup>th</sup> Annual Research Award** March 2011
- **The Links Inc. Scholar** September 2003- May 2008
- **Pennsylvania State National Dean’s List** September 2003-2008
- **Bristol Myers Squibb Scholar** June 2006- August 2006
- **Trio Scholar** September 2006- May 2008
- **Board of Governor’s Scholar** September 2003- May 2008
- **National Institute of Health Grant for Minorities** September 2008-2009
- **NCAA Presidential Scholar-Athlete Award** October 2006- 2008
- **Who’s Who In American Colleges and Universities** March 2008

#### UNDERGRADUATE DIVERSIFIED ACTIVITIES

- **Student Government, Representative** September 2005- 2008
- **Men For Progress, Representative** September 2006- 2008
- **Mansfield University Men’s Basketball** August 2006-2008
- **Mountaineer Leadership Program** September 2007- 2008

- **Biology Club** September 2006- 2008
- **Participated in National Leadership Alliance Conference, Boston** July 2005
- **Participated in AMP Research Symposium, Newark** August 2005
- **Shadowed doctor at University of Penn** July 2005
- **Calculus Tutor, Mansfield University** December 2003
- **Mansfield Literary Society** February 2008

## **GRADUATE DIVERSIFIED ACTIVITIES**

- **Economic Hardship Reporting Project Contributor** **2019**
- **Herbert Werthriem Conference** August 2016
- **Panelist, Beyond Flexner Conference** September 2016
- **Presenter, National CIR/SEIU Conference** 2016
- **AAU Basketball Coach** May 2014
- **Owen Ambassador** June 2013
- **Herman Memorial Ironman, TX** May 2013
- **Project Pyramid** March 2013

**Vanderbilt Global Health Case Competition** February 2013

- **Owen Black Students Association** August 2012
- **Vanderbilt Healthcare Club** August 2012
- **Bike New York** May 2011
- **Music City Triathlon, TN** July 2011
- **American Medical Students Association Conference Research** May 2011
- **Nashville Rescue Mission Skate-a-thon** March 2011
- **Be the Match, Bone Marrow Drive** November 2010
- **Medical Missions Trip, Haiti** May 2010
- **Habitat for Humanity** August 2010- Present
- **Relay for Life** March 2010
- **Nashville Cares, Flood rebuild** April 2010
- **Participated in Student National Medical Association Conference, Chicago** April 2010
- **Shade Tree Student Medical Clinic** 2010-2011
- **AIDS Walk** September 2010-2011

## **LEADERSHIP POSITIONS**

- **Founder, Dade County Street Response**
- **Field Organizer, Dream Defenders** May 2014- Present
- **Founder, Mentors Like You** May 2008-2014
- **Academic Affairs National Committee Chair, SNMA** February 2011-2013
- **President, Student National Medical Association (Meharry Chapter)** March 2010- 2011
- **Team Captain, Mansfield NCAA Division II Men's Basketball** August 2007- 2008

# EXHIBIT 10

DECLARATION OF JACQUELINE EBERT

*I, Jacqueline Ebert, certify under penalty of perjury that the following statement is true and correct pursuant to 28 U.S.C. §1746.*

1. My name is Jacqueline Ebert. I am an attorney licensed to practice before the courts of the State of Florida.
2. On March 31, 2020, I participated in a visit to the Metro West Detention Center and interviewed four people incarcerated in the jail. I had to bring my own gloves and mask to protect myself during the visit, and another attorney who was conducting interviews brought a clean sock for me to cover the telephone with, because we did not know when the last time it was sanitized. A different attorney provided me with a wet wipe to additionally wipe off the phone.
3. I spent approximately four hours interviewing individuals held at the jail. During the course of these interviews I observed officers and Metro West Detention Center staff. The majority of staff members were not wearing gloves or face masks. I did not observe them practicing social distancing.
4. During the course of my interviews I spoke with four different individuals. All four individuals used the same phone to speak with me. During the course of my interviews, neither the phone nor the area in which interviewees were sitting was ever cleaned with sanitation products.
5. Every person I spoke with mentioned that there was no testing of COVID-19 being done, no masks available for those who are incarcerated, and no hand sanitizer available.
6. Several of the individuals I interviewed stated that there were entire cells on quarantine. They said they knew this because there was a "Quarantine" sign posted on the cell door. No one knew exactly how many people were being held in the quarantined cells, but one individual estimated there were well over 50 people in the unit.
7. One of the individuals I interviewed stated he has had a cough for a couple of weeks and that several other men in his cell have coughs as well. He stated there are over 50 people in his unit. He stated that their temperatures are not being taken nor have they received tests for COVID-19.
8. The individuals I spoke with said that new people entering the jail are not being tested for COVID-19.

9. Each individual I spoke with stated a different protocol or procedure for cleaning the cells. When I asked one individual who is a head trustee and in charge of overseeing the cleaning of his cell if they had access to bleach, he told me no. He stated that they used a cleaning chemical that had been watered down to clean the unit. He told me they are given gloves to clean but lately they have been asked to save and reuse gloves because of shortages.
10. The individuals I spoke with mentioned that life was continuing in a way that prevented social distancing in the cell. They mentioned that people were still playing basketball during recreation time, that people were still sitting together to eat meals, and people play cards and checkers together.
11. Several of the individuals I spoke with specifically mentioned that the air filters in the jail had not been changed for some time and that this was concerning to them.
12. Every individual I spoke with expressed fear about the spread of COVID-19 in the jail and stated that those in their cells who are elderly or have underlying health conditions are extremely concerned about an outbreak in the jail.
13. Every individual I spoke with stated that they are not six feet apart from other people while they sleep. At the time of my interviews, the interviewees were sleeping head to head with those in the neighboring beds.
14. During the course of my interviews all the individuals I spoke with stated that many guards did not wear masks and gloves while in the cells.
15. All the of the people I spoke with advised that they were not getting clear information about what was happening with the coronavirus and what they could do to protect themselves while in jail. Some of the individuals noted that the most information they were getting was from the news.
16. The people I spoke with stated that phones were not disinfected between each use.
17. I interviewed an elderly man who had multiple respiratory issues. He expressed extreme concern about COVID-19 given his age and underlying health conditions. He currently has an inhaler but has been trying to get an appointment with the doctor since he entered the jail to get access to a breathing machine, which he needs. He has made three requests to see the doctor, who he is required to see in order to have access to the machine, but he has only been granted access to the nurses.



18. The individuals only have a small bar soap, which is not antibacterial, available for washing their hands and taking showers. They do not have access to paper towels to dry their hands after they wash them.
19. One of the individuals I spoke with explained that he puts a sock on the phone when he uses it because the phones are not being cleaned.
20. I interviewed a man in his 20s who has diabetes and who requires insulin. He told me that they gather all of the people with diabetes in the clinic at the same time to give them insulin. He told me that he has skipped getting insulin on several days because he was so scared to be in the crowded clinic because of fear of getting COVID-19. He told me his sugar has spiked above 600 while he has been held. This individual told me the only time his temperature has been taken since he entered the jail was approximately 2 months ago, when he was meeting with the doctor. This individual is extremely scared of getting COVID-19 because of his diabetes.
21. Several of the individuals I spoke with mentioned that there had been temporary toilet paper shortages at which point they were not provided with their own roll of toilet paper, as usual, and as a result were required to ask other individuals to share toilet paper until more was provided.
22. One of the individuals I spoke with specifically mentioned he had never seen the remote for the television or the button used to get water from the water cooler cleaned.
23. The people I spoke to all mentioned that there was no testing, no masks provided for those incarcerated, and infrequent cleaning of the cells. All noted multiple people coughing in cells that held between 46-56 people. Three of the four people I interviewed told me that they had heard that some people were in quarantine.
24. Several of the individuals I interviewed mentioned that the officers act as if those being held are the ones that could infect them.

Under penalties of perjury, I declare that the statement above is true.

*Jacqueline J. Ebert*

Jacqueline Ebert

Date: April 4, 2020

# EXHIBIT 11

**IN THE UNITED STATES DISTRICT COURT  
FOR THE SOUTHERN DISTRICT OF FLORIDA, MIAMI DIVISION**

ANTHONY SWAIN; ALEN BLANCO;  
BAYARDO CRUZ; RONNIEL FLORES;  
WINFRED HILL; DEONDRE WILLIS;  
PETER BERNAL, individually and on  
behalf of all others similarly situated,

Plaintiffs,

v.

DANIEL JUNIOR, in his official capacity  
as Director of the Miami-Dade Corrections  
and Rehabilitation Department; MIAMI-  
DADE COUNTY, FLORIDA,

Defendants

Case No.   1:20-cv-21457  
(Class Action)

**Declaration of Dr. Pedro J. Greer, Jr.**

**I. Background and Qualifications**

1. My name is Pedro J. Greer, Professor of Medicine, Founding Chair of Humanities, Health, and Society and Associate Dean for Community Engagement at Florida International University Herbert Wertheim College of Medicine (FIU HWCOM) in Miami, Florida. Throughout my career, I have been an advocate for health equity by engaging communities to create effective health and social policies and accessible health care systems.
2. I have worked for the past 36 years as a physician, from Resident to Internist, Gastroenterologist and Hepatologist, Department Chair and Associate Dean.
3. My bio, attached as Exhibit A, includes a brief description of my education and relevant experience.
4. My C.V. includes a full list of my honors, experience, and publications, and it is attached as Exhibit B.

5. I am donating my time reviewing materials and preparing this report. Any live testimony I provide will also be provided *pro bono*.
6. I have testified as an expert at trial or by deposition in the past four years, in a federal case involving homeless sex offenders.
7. This declaration is similar to a sworn declaration submitted by Dr. Jaimie Meyer, Assistant Professor of Medicine at Yale School of Medicine and Assistant Clinical Professor of Nursing at Yale School of Nursing in New Haven, Connecticut, in federal court in New York. Dr. Meyer is board certified in Internal Medicine, Infectious Diseases and Addiction Medicine.
8. I have reviewed Dr. Meyer's report, and the sources cited in it. Based on my own independent training, expertise, and experience in epidemiology and infectious diseases, I strongly agree with Dr. Meyer's analysis of the dangers that the novel corona posed in New York City-area jails, and believe that they are applicable, as described below, to Miami-Dade County's Metro West Detention Center.

## **II. Heightened Risk of Epidemics in Jails and Prisons**

9. As I will discuss below, the risk posed by infectious diseases in jails and prisons is significantly higher than in the community, both in terms of multiple risks of transmission and exposure to individuals who become infected.
10. Globally, outbreaks of contagious diseases are all too common in closed detention settings and are more common than in the community at large. Prisons and jails are not isolated from communities. Staff, visitors, contractors, and vendors pass between communities and facilities and can bring infectious diseases into facilities. Moreover, rapid turnover of jail and prison populations means that people often cycle between facilities and communities. People often need to be transported to and from facilities to attend court and move between facilities. Prison health is public health.
11. Reduced prevention opportunities: Congregate settings such as jails and prisons allow for rapid spread of infectious diseases that are transmitted person to person, especially those passed by droplets through coughing and sneezing. When people must share dining halls, bathrooms, showers, and other common areas, the opportunities for transmission are greater. When infectious diseases are transmitted from person to person by droplets, the best initial strategy is to practice social distancing. When jailed or imprisoned, people have much less of an opportunity to protect themselves by social distancing than they would in the community. Spaces within jails and prisons are often also poorly ventilated, which promotes highly efficient spread of diseases through droplets. Placing someone in such a setting therefore dramatically reduces their ability to protect themselves from being exposed to and acquiring infectious diseases.

12. Disciplinary segregation or solitary confinement is not an effective disease containment strategy. Beyond the known detrimental mental health effects of solitary confinement, isolation of people who are ill in solitary confinement results in decreased medical attention and increased risk of death. Isolation of people who are ill using solitary confinement also is an ineffective way to prevent transmission of the virus through droplets to others because, except in specialized negative pressure rooms (rarely in medical units if available at all), air continues to flow outward from rooms to the rest of the facility. Risk of exposure is thus increased to other people in prison and staff.
13. Reduced prevention opportunities: During an infectious disease outbreak, people can protect themselves by washing hands. Jails and prisons do not provide adequate opportunities to exercise necessary hygiene measures, such as frequent handwashing or use of alcohol-based sanitizers when handwashing is unavailable. Jails and prisons are often under-resourced and ill-equipped with sufficient hand soap and alcohol-based sanitizers for people detained in and working in these settings. High-touch surfaces (doorknobs, light switches, etc.) should also be cleaned and disinfected regularly with bleach to prevent virus spread, but this is often not done in jails and prisons because of a lack of cleaning supplies and lack of people available to perform necessary cleaning procedures.
14. Reduced prevention opportunities: During an infectious disease outbreak, a containment strategy requires people who are ill with symptoms to be isolated and that caregivers have access to personal protective equipment, including gloves, masks, gowns, and eye shields. Jails and prisons are often under-resourced and ill-equipped to provide sufficient personal protective equipment for people who are incarcerated and caregiving staff, increasing the risk for everyone in the facility of a widespread outbreak.
15. Increased susceptibility: People incarcerated in jails and prisons are more susceptible to acquiring and experiencing complications from infectious diseases than the population in the community.<sup>1</sup> This is because people in jails and prisons are more likely than people in the community to have chronic underlying health conditions, including diabetes, heart disease, chronic lung disease, chronic liver disease, and lower immune systems from HIV.
16. Jails and prisons are often poorly equipped to diagnose and manage infectious disease outbreaks. Some jails and prisons lack onsite medical facilities or 24-hour medical care. The medical facilities at jails and prisons are almost never sufficiently equipped to handle large outbreaks of infectious diseases. To prevent transmission of droplet-borne infectious diseases, people who are infected and ill need to be isolated in specialized airborne negative pressure rooms. Most jails and prisons have few negative pressure rooms if any, and these may be already in use by people with other

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<sup>1</sup> *Active case finding for communicable diseases in prison*, 391 *The Lancet* 2186 (2018), [https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(18\)31251-0/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(18)31251-0/fulltext).

- conditions (including tuberculosis or influenza). Resources will become exhausted rapidly and any beds available will soon be at capacity. This makes both containing the illness and caring for those who have become infected much more difficult.
17. Jails and prisons lack access to vital community resources to diagnose and manage infectious diseases. Jails and prisons do not have access to community health resources that can be crucial in identifying and managing widespread outbreaks of infectious diseases. This includes access to testing equipment, laboratories, and medications.
  18. Jails and prisons often need to rely on outside facilities (hospitals, emergency departments) to provide intensive medical care given that the level of care they can provide in the facility itself is typically relatively limited. During an epidemic, this will not be possible, as those outside facilities will likely be at or over capacity themselves.
  19. Health safety: As an outbreak spreads through jails, prisons, and communities, medical personnel become sick and do not show up to work. Absenteeism means that facilities can become dangerously understaffed with healthcare providers. This increases a number of risks and can dramatically reduce the level of care provided. As health systems inside facilities are taxed, people with chronic underlying physical and mental health conditions and serious medical needs may not be able to receive the care they need for these conditions. As supply chains become disrupted during a global pandemic, the availability of medicines and food may be limited.
  20. Safety and security: As an outbreak spreads through jails, prisons, and communities, correctional officers and other security personnel become sick and do not show up to work. Absenteeism poses substantial safety and security risk to both the people inside the facilities and the public. Furthermore, rapid spread of infectious diseases among the inmates can often worsen the epidemic outside of the incarcerated population because staff are more likely to be infected and spread the disease to their families and the wider population.
  21. These risks have all been borne out during past epidemics of influenza in jails and prisons. For example, in 2012, the CDC reported an outbreak of influenza in 2 facilities in Maine, resulting in two inmate deaths.<sup>2</sup> Subsequent CDC investigation of 995 inmates and 235 staff members across the 2 facilities discovered insufficient supplies of influenza vaccine and antiviral drugs for treatment of people who were ill and prophylaxis for people who were exposed. During the H1N1-strain flu outbreak in 2009 (known as the “swine flu”), jails and prisons experienced a disproportionately high number of cases.<sup>3</sup> Even facilities on “quarantine” continued to accept new

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<sup>2</sup> *Influenza Outbreaks at Two Correctional Facilities—Maine, March 2011*, Centers for Disease Control and Prevention (2012), <https://www.cdc.gov/mmwr/preview/mmwrhtml/mm6113a3.htm>.

<sup>3</sup> David. M. Reutter, *Swine Flu Widespread in Prisons and Jails, but Deaths are Few*, Prison Legal News (Feb. 15, 2010), <https://www.prisonlegalnews.org/news/2010/feb/15/swine-flu-widespread-in-prisons-and-jails-but-deaths-are-few/>.

intakes, rendering the quarantine incomplete. These scenarios occurred in the “best case” of influenza, a viral infection for which there was an effective and available vaccine and antiviral medications, unlike COVID-19, for which there is currently neither.

### III. Profile of COVID-19 as an Infectious Disease<sup>4</sup>

22. The novel coronavirus, officially known as SARS-CoV-2, causes a disease known as COVID-19. The virus is thought to pass from person to person primarily through respiratory droplets (by coughing or sneezing) but may also survive on inanimate surfaces. People seem to be most able to transmit the virus to others when they are sickest but recent data from China has demonstrated that almost 13% of transmission occurs from asymptomatic individuals before they start to show symptoms, and it is possible that transmission can occur for weeks after their symptoms resolve.<sup>5</sup> In China, where COVID-19 originated, the average infected person passed the virus on to 2-3 other people; transmission occurred at a distance of 3-6 feet. Not only is the virus very efficient at being transmitted through droplets, everyone is at risk of infection because our immune systems have never been exposed to or developed protective responses against this virus. A vaccine is currently in development but will likely not be able for over a year to the general public. Antiviral medications are currently in testing but not yet FDA-approved. People in prison and jail will likely have even less access to these novel health strategies as they become available.
23. Most people (80%) who become infected with COVID-19 will develop a mild upper respiratory infection but emerging data from China suggests serious illness occurs in up to 16% of cases, including death.<sup>6</sup> Serious illness and death is most common among people with underlying chronic health conditions, like heart disease, lung disease, liver disease, and diabetes, and older age.<sup>7</sup> Among those individuals, the risk of poor outcomes, included the need for mechanical intervention is over 20%. Death in COVID-19 infection is usually due to pneumonia, and sepsis, and would occur between approximately 1-4% of the population. The emergence of COVID-19 during influenza season means that people are also at risk from serious illness and death due

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<sup>4</sup> This whole section draws from Broks J. Global Epidemiology and Prevention of COVID19, COVID-10 Symposium, Conference on Retroviruses and Opportunistic Infections (CROI), virtual (March 10, 2020); *Coronavirus (COVID-19)*, Centers for Disease Control, <https://www.cdc.gov/coronavirus/2019-ncov/index.html>; Brent Gibson, *COVID-19 (Coronavirus): What You Need to Know in Corrections*, National Commission on Correctional Health Care (February 28, 2020), <https://www.ncchc.org/blog/covid-19-coronavirus-what-you-need-to-know-in-corrections>.

<sup>5</sup> Du Z, Xu X, Wu Y, Wang L, Cowling BJ, Ancel Meyers L. Serial interval of COVID-19 among publicly reported confirmed cases. *Emerg Infect Dis.* 2020 Jun [date cited]. <https://doi.org/10.3201/eid2606.200357>

<sup>6</sup> *Coronavirus Disease 2019 (COVID-19): Situation Summary*, Centers for Disease and Prevention (March 14, 2020), [https://www.cdc.gov/coronavirus/2019-ncov/cases-updates/summary.html?CDC\\_AA\\_refVal=https%3A%2F%2Fwww.cdc.gov%2Fcoronavirus%2F2019-ncov%2Fsummary.html](https://www.cdc.gov/coronavirus/2019-ncov/cases-updates/summary.html?CDC_AA_refVal=https%3A%2F%2Fwww.cdc.gov%2Fcoronavirus%2F2019-ncov%2Fsummary.html).

<sup>7</sup> *Clinical course and risk factors for mortality of adult inpatients with COVID-19 in Wuhan, China: a retrospective cohort study*, *The Lancet* (published online March 11, 2020), [https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(20\)30566-3/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(20)30566-3/fulltext).

to influenza, especially when they have not received the influenza vaccine or the pneumonia vaccine.

24. The care of people who are infected with COVID-19 depends on how seriously they are ill.<sup>8</sup> People with mild symptoms may not require hospitalization but may continue to be closely monitored at home. People with moderate symptoms may require hospitalization for supportive care, including intravenous fluids and supplemental oxygen. People with severe symptoms may require ventilation and intravenous antibiotics. Public health officials anticipate that hospital settings will likely be overwhelmed and beyond capacity to provide this type of intensive care as COVID-19 becomes more widespread in communities.
25. In order to prevent overwhelming the local health systems, aggressive containment and COVID-19 prevention is of utmost importance. To this end, certain states and jurisdictions, including Miami-Dade County have mandated COVID-19 prevention strategies, such as “shelter in place” or “stay at home” orders, which have gone beyond containment and mitigation. Jails and prisons already have difficulty with containment because it requires intensive hand washing practices, decontamination and aggressive cleaning of surfaces, and identifying and isolating people who are ill or who have had contact with people who are ill, including the use of personal protective equipment. However, even with these efforts, it is nearly impossible for jails and prisons to provide the atmosphere of “shelter in place” or “stay at home” social distancing, given the number of individuals that work in and are housed in these facilities in the current system.
26. The time to act is now. Data from other settings demonstrate what happens when jails and prisons are unprepared for COVID-19. News outlets reported that Iran temporarily released 70,000 prisoners when COVID-19 started to sweep its facilities.<sup>9</sup> To date, few state or federal prison systems have adequate (or any) pandemic preparedness plans in place.<sup>10</sup> Systems are just beginning to screen and isolate people on entry and perhaps place visitor restrictions, but this is wholly inadequate when staff and vendors can still come to work sick and potentially transmit the virus to others.

#### **IV. Risk of COVID-19 in the Metro West Detention Center**

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<sup>8</sup> *Coronavirus Disease 2019 (COVID-19): Interim Clinical Guidance for Management of Patients with Confirmed Coronavirus Disease*, Centers for Disease Control and Prevention (March 7, 2020), <https://www.cdc.gov/coronavirus/2019-ncov/hcp/clinical-guidance-management-patients.html>.

<sup>9</sup> *Iran temporarily releases 70,000 prisoners as coronavirus cases surge*, Reuters (March 9, 2020), <https://www.reuters.com/article/us-health-coronavirus-iran/iran-temporarily-releases-70000-prisoners-as-coronavirus-cases-surge-idUSKBN20W1E5>.

<sup>10</sup> Luke Barr & Christina Carrega, *State prisons prepare for coronavirus but federal prisons not providing significant guidance, sources say*, ABC News (March 11, 2020), <https://abcnews.go.com/US/state-prisons-prepare-coronavirus-federal-prisons-providing-significant/story?id=69433690>.



27. In preparing this report I have reviewed the declarations of the Plaintiffs in this case.
28. Based on my review of the relevant literature, and my review of the Plaintiffs' declarations it is my professional judgment that the Metro West Detention Center ("Metro West") is under-equipped and ill-prepared to prevent and manage a COVID-19 outbreak, which would result in severe harm to detained individuals, jail staff, and the broader community. The reasons for this conclusion are detailed as follows.
29. Plaintiffs state that at Metro West, common areas and high-touch surfaces are cleaned using diluted cleaning products only at "shift change," or every eight hours. Failure to properly sanitize common areas and high-touch surfaces such as the phones that detained individuals heavily use, seriously increases the risk of the spread of COVID-19 and demonstrates the failure to take the most fundamental precautions for preventing the spread of the disease.
30. Plaintiffs are held in dormitory-style cells, some with upwards of 60 people per cell, and sleep on bunk beds with just a few feet of distance between them. Given this layout and crowded environment in which individuals are held, it is impossible to provide an environment where social distancing can take place, depriving individuals of being able to use one of the most important CDC-recommended measures to protect themselves.
31. Even before the COVID-19 crisis, Plaintiffs attested to having to wait several days to have access to a medical doctor for serious medical concerns. Now, with the threat of the virus' spread through the jail population, it is questionable whether the jail medical unit is equipped to address both underlying chronic conditions of individuals and a potential outbreak of COVID-19 in the jail.
32. For individuals in these facilities, the experience of an epidemic and the lack of care while effectively trapped can itself be traumatizing, compounding the trauma of incarceration.
33. The neglect of individuals with acute pain and serious health needs under ordinary circumstances is also strongly indicative that the facilities will be ill-equipped to identify, monitor, and treat a COVID-19 epidemic. Plaintiffs' declarations attest to neglect of their serious medical conditions even under typical circumstances. It is unlikely that when the medical unit is strained both due to potential understaffing or additional burden from potential COVID-19 patients that it will be able to provide the care necessary for those with medical needs caused by conditions other than COVID-19.
34. Failure to provide individuals adequate medical care for their underlying chronic health conditions results in increased risk of COVID-19 infection and increased risk of infection-related morbidity and mortality if they do become infected. Plaintiffs and others held in the jail have serious medical vulnerabilities, including diabetes, asthma, HIV and other respiratory conditions. An outbreak in Metro West would be disastrous

for Plaintiffs and other medically vulnerable individuals. Not only is it questionable whether the facility has enough technology such as ventilators, personal protective equipment or medical personnel to treat serious cases of COVID-19, but it is also worrisome that, without proper precautions, patients from Metro West will likely put additional strain on Jackson Health Systems, the institution that will ultimately have to absorb patients from the jail.

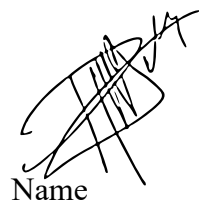
## V. Conclusion and Recommendations

35. For the reasons above, it is my professional judgment that individuals placed in the Metro West Detention Center are at a significantly higher risk of infection with COVID-19 as compared to the population in the community, given the procedural and housing conditions in the facilities, and that they are at a significantly higher risk of harm if they do become infected. These harms include serious illness (pneumonia and sepsis) and even death.
36. Reducing the size of the population in jails and prisons can be crucially important to reducing the level of risk both for who both are housed and work within those facilities and for the community at large.
37. From a public health perspective, it is my strong opinion that individuals who can **safely and appropriately** remain in the community not be placed in the Metro West Detention Center at this time. I am also strongly of the opinion that individuals who are already in those facilities should be evaluated for release, and that a careful evaluation of procedural and housing guidance is created for those who remain in the facilities during the “stay at home” mandate, and possibly until the epidemic is contained.
38. This is more important still for individuals with preexisting conditions (e.g., heart disease, chronic lung disease, chronic liver disease, suppressed immune systems, cancer, and diabetes) or who are over the age of 60.<sup>11</sup> They are in even greater danger in these facilities, including a meaningfully higher risk of death.
39. It is my professional opinion that these steps are both necessary and urgent. The horizon of risk for COVID-19 in these facilities is a matter of days, not weeks.
40. Health in jails and prisons is community health. Protecting the health of individuals who are detained in and work in these facilities is vital to protecting the health of the wider community.

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<sup>11</sup> *Report of the WHO-China Joint Mission of Coronavirus Disease 2019 (COVID-19)* (Feb. 16-24 2020), available at <https://www.who.int/docs/default-source/coronaviruse/who-china-joint-mission-on-covid-19-final-report.pdf>.

I declare under penalty of perjury that the foregoing is true and correct to the best of my ability.



Name

April 4, 2020

Date



### **Pedro J. Greer Jr., MD**

Dr. Greer is Professor of Medicine, Founding Chair of Humanities, Health, and Society and Associate Dean for Community Engagement at Florida International University Herbert Wertheim College of Medicine (FIU HWCOM) in Miami, Florida. Throughout his career Dr. Greer has been an advocate for health equity by engaging communities to create effective health and social policies and accessible health care systems. His advocacy began during medical training when Dr. Greer established Camillus Health Concern, Inc. and Saint John Bosco, health centers for underserved populations in Miami-Dade County, Florida.

Better known as "Joe," Dr. Greer has received numerous awards and Honorary Doctoral degrees. Most recently The Bob Graham Center for Public Service, a nonpartisan civic engagement center at the University of Florida, named Dr. Greer its 2017 Citizen of the Year. The award recognizes "Florida citizens who have made extraordinary contributions to the state—individuals [who] have used their personal and professional talents to make Florida a better place for its citizens." Dr. Greer was honored with the 2014 National Jefferson Award in the category of Greatest Public Service Benefiting the Disadvantaged. He has been recognized with the 2013 Great Floridian Award, the 2009 Presidential Medal of Freedom, and in 1993, he was honored as a MacArthur Foundation "Genius Grant" Fellow. He has also received a Papal Medal and has been knighted as a Knight of Malta and St. Gregory the Great. He has published more than 30 articles and book chapters on topics ranging from hepatic and digestive disorders to policy, poverty, medical education and health in America. He wrote *Waking Up in America*, a book about his life experiences, including providing care to homeless individuals under bridges in Miami, to career highlights, such as advising Presidents Bush Sr. and Clinton on health care.

As Associate Dean for Community Engagement, Dr. Greer promotes the social mission of FIU HWCOM to facilitate medical student training and improve community health. Working with various FIU colleges, Dr. Greer spearheaded a unique service-learning and community-based medical curriculum to prepare physicians and other health professionals to address the social determinants of health, while simultaneously caring for individuals and communities through a household-centered approach to clinical care.

Dr. Greer is currently serving in various capacities for a multitude of national, state, and local organizations. He is a Trustee at the RAND Corporation (America's oldest and largest think tank) and is the current Chair of the Pardee RAND Graduate School Board of Governors, an institution that confers one of the highest numbers of PhDs in policy analysis in the world. Dr. Greer served as Chair for the Hispanic Heritage Awards Foundation from 2002 to 2012. He is an independent board member of American Funds 2016 to present. He is also a member of Alpha Omega Alpha National Medical Honor Society and a fellow in the American College of Physicians and the American College of Gastroenterology.

Dr. Greer did his undergraduate work at the University of Florida and medical studies at La Universidad Católica Madre y Maestra in the Dominican Republic. He trained in Internal Medicine and served as Chief Resident at the VA/University of Miami Miller School of Medicine in Miami, Florida. Dr. Greer completed two post-doctoral fellowships, one in Hepatology, the other one in Gastroenterology, where he was an Assistant Dean; he is board certified in Medicine and Gastroenterology. Before joining FIU HWCOM, Dr. Greer ran a successful private practice and was Chief of Gastroenterology and Hepatology at Mercy Hospital in Miami.

**EXHIBIT B****CURRICULUM VITAE**

**Name:** Pedro Jose Greer, Jr., M.D. FACP, FACG

**Position:** Professor and Founding Chair, Department of Humanities, Health, and Society  
Associate Dean for Community Engagement  
Florida International University (FIU) Herbert Wertheim College of Medicine (HWCOCM)

**Address:** 11200 SW 8<sup>th</sup> St., AHC2 596  
Miami, FL 33199

Tel: (305) 348-0619  
Email: greerp@fiu.edu

**EDUCATION**

1990-1991	Jackson Memorial Hospital University of Miami Miller School of Medicine, Miami, FL	Chief Fellow	Gastroenterology
1989-1991	Jackson Memorial Hospital University of Miami Miller School of Medicine, Miami, FL	Fellow	Gastroenterology
1988-1989	University of Miami Miller School of Medicine, Miami, FL	Fellow	Hepatology
1987-1988	University of Miami Miller School of Medicine, Veterans Administration Medical Center, Miami, FL	Chief Medical Resident	Internal Medicine
1985-1987	University of Miami Miller School of Medicine, Miami, FL	Resident	Internal Medicine
1984-1985	University of Miami Miller School of Medicine, Miami, FL	Intern	Internal Medicine
1978-1984	Pontificia Universidad Católica Madre Y Maestra, Santiago de los Caballeros, Dominican Republic	M.D.	Medicine
1974-1978	University of Florida, Gainesville, FL		

**LICENSES, CERTIFICATIONS**

1993	American Board of Internal Medicine, Subspecialty in Gastroenterology (#116332)
1989	American Board of Internal Medicine (#116332)
1986	Medical licensure (#ME 0047468), Florida; Renewed every 2 years; Jan 2018
1986	National Board of Medical Examiners (# ME 0047468); FLEX

**PRINCIPAL POSITIONS HELD**

2014-2015	Herbert Wertheim College of Medicine, Miami, FL	Interim Chair, Department of Medicine* <i>*In AY2014-2015, I led the merger between the Department of Medicine and the Department of Humanities, Health, and Society (July 2015).</i>
2014-Pres.	Herbert Wertheim College of Medicine, Miami, FL	Associate Dean for Community Engagement
2009-Pres.	Herbert Wertheim College of Medicine, Miami, FL	Founding Chair, Department of Humanities, Health, and Society
2007-Pres.	Herbert Wertheim College of Medicine, Miami, FL	Professor of Medicine & Curricular Strand Leader for Medicine and Society
1998-2006	Mercy Hospital	Chief of Gastroenterology Department
1994-2006	Mercy Hospital	Director of Mercy Mission Services
1992-Pres.	University of Miami Miller School of Medicine, Miami, FL	Adjunct Associate Clinical Professor of Medicine
1992-Pres.	University of Miami Miller School of Medicine, Miami, FL	Adjunct Associate Professor of Epidemiology and Public Health
1991-2005	St. John Bosco Clinic – SSJ Health Foundation (free clinic for undocumented immigrants)	Medical Director
1991-Pres.	Gastro Health, P. L.	Private Practice, Gastroenterology
1990-2007	University of Miami Miller School of Medicine, Miami, FL	Assistant Dean for Homeless Education

**HONORS AND AWARDS*****Honorary Degrees and Titles***

2012	Wayne State University	Doctor of Law	Honoris Causa
2005	Salem State College	Doctor of Humane Letters	Honoris Causa
2004	Stonehill College	Doctor of Humanities	Honoris Causa
1997	University of Florida	Distinguished Alumni	
1995	Barry University	Doctor of Law	Honoris Causa
1994	New York Medical College	Doctor of Science	Honoris Causa
1992	St. Thomas University	Doctor of Humane Letters	Honoris Causa
1992	University of Miami School of Medicine	Honorary Alumnus	

***Honors and Awards***

2019	Florida Trend 2019, Florida 500 Most Influential Business Leaders, <i>Life Sciences</i>
2019	Pride in the Profession Award, Excellence in Medicine Awards, Chicago, IL <i>AMA Foundation</i>
2018	35 <sup>th</sup> Hispanics in Philanthropy (HIP) Anniversary Conference, San Francisco, CA, <i>HIPGiver Award</i>
2017	University of Florida Bob Graham Center, Gainesville, FL, <i>2017 Citizen of the Year Award</i>
2016	Council for Latino Workplace Equity, North Miami, FL, <i>Top Latino Leader Award</i>
2014	Health Choice Network, Miami, FL, <i>Jessie Trice Hero Award</i>
2014	Jefferson Awards Foundation, Washington, DC, <i>Outstanding Public Service Benefitting the Disadvantaged</i>
2011	Miami Dolphins, Miami, FL, <i>Humanitarian Award</i>
2011	Florida International University, Miami, FL, <i>Cal Kovens Distinguished Community Service Award</i>
2010	AARP The Magazine, Washington, DC, <i>Inspire Award</i>
2010	Temple Beth David, Miami, FL, <i>Public Citizen Award</i>
2009	President Barack Obama, at the White House, Washington, DC, <i>Presidential Award: Medal of Freedom</i>
2008	Latino Leaders Magazine, Dallas, TX, <i>101 Top Leaders of the Latino Community in the USA</i>
2007	Vista Magazine, <i>Health Award</i>
2007	Orange Bowl Foundation, Miami Lakes, FL, <i>El Espiritu de La Comunidad Award</i>
2007	Barry University, Miami Shores, <i>Faith and Freedom Award</i>
2005	Prospanica (Formerly, National Society of Hispanic MBAs), Dallas, TX, <i>Board Leadership Award</i>
2005	El Consejo de la Hispanidad de Los Estados Unidos de América (The Hispanic Heritage Council of the United States of America), <i>Don Quixote Award</i>
2005	The Pan American Health Organization, Washington, DC, <i>Public Health Hero of the Americas</i>
2004	Hispanic Unity of Florida, Hollywood, FL, <i>Amigos Award</i>
2004	The Pan American Cuban Medical Convention, Miami, FL, <i>Gold Medal of Honor</i>
2004	Florida Department of Health, Board of Medicine, Tallahassee, FL, <i>Board Chair Recognition Award</i>
2002	Hispanic Magazine, Virginia Gardens, FL, <i>Hispanic of the Year</i>
2002	St. Luke's Society of South Florida, Ft. Lauderdale, FL, <i>Hispanic of the Year</i>
2002	Kiwanis of Key Biscayne, Key Biscayne, FL, <i>Citizen of the Year</i>
2002	The Latin Chamber of Commerce of the United States, Miami, FL, <i>Professional of the Year</i>
2002	Big Brothers Big Sisters of Miami, Women's Committee, Miami, FL, <i>Miracle Makers Award</i>
2002	Dade County Medical Association, Miami, FL, <i>Physician Recognition Award</i>
2002	Asociación Interamericana de Hombres de Empresa, Miami, FL, <i>Leslie Pantin Award</i>
2001	The Caring Institute, Washington, DC, <i>Caring Award</i>
2001	Catholic Charities of the Archdiocese of Miami, Miami, FL, <i>Spirit of Charity Award</i>
2001	Fundación Brugal, Santo Domingo, Dominican Republic, <i>Brugal Cree en su Gente Award</i>
2001	Juvenile Diabetes Research Foundation (JDRF), Oakland Park, FL, <i>Tribute to the Family Award</i>
2001	Ellis Island Foundation, New York, NY, <i>Ellis Island Medal of Honor</i>
2000	Greater Miami Chamber of Commerce, Miami, FL, <i>Health Care Heroes Award</i>
2000	Boy Scouts of America South Florida Council, Miami Lakes, FL, <i>Hispanic Heritage Community Leader Award</i>
1999	Broward County Hispanic Women's Coalition, Broward, FL, <i>Award</i>
1999	Family Counseling Services of Greater Miami, Miami, FL, <i>Family of the Year</i>
1999	United Way of Miami, Miami, FL, <i>Starfish Award</i>
1997	Macy's, Cincinnati, OH, <i>Follow-A-Leader Mentor Program Award</i>
1997	International Catholic Stewardship Council, Dearborn Heights, MI, <i>Christian Stewardship Award</i>
1997	Exit Magazine, Surprise, AZ, <i>One of 50 Most Fascinating People of Miami</i>



1997 New Times Magazine, *Best of Miami*, "Best Local Boy Done Good"

1997 President Bill Clinton, Ex-President George Bush and General Colin Powell, at Presidential Summit, Philadelphia, PA, *Presidential Service Award*

1997 Hippocrates: Health & Medicine for Physicians Journal, *Doctor of the Year – Teaching*

1996 Community Action Agency, Metropolitan Dade County, FL, *Sgt. Shriver Award*

1996 Miami Dade Community College, Homestead Campus, Homestead, FL, *Drum Major Award for Humanitarian Effort*

1996 Turner Broadcasting Systems, Miami, FL, *Saluting African-American Achievement, Annual Trumpet Award, Special Honoree for Service to African American Community*

1995 Florida Hospital Association, Tallahassee, FL, *Florida Health Care Communicator of the Year*

1995 Little Flower Catholic Church, *First Annual Humanitarian Award*

1995 NBC and Hispanic Magazine, Hispanic Achievement, Washington, DC, *VIDA Award - Medicine and Sciences*

1995 American Red Cross, South Florida Chapter, *Humanitarian of the Year*

1995 Visiting Nurse Association of Miami, Miami, FL, *Person of the Year*

1995 CBS, New York City, NY, *The Newsweek American Achievement Award*

1995 Rotary Club of Miami, Miami, FL, *Citizen of the Year*

1994 Time Magazine (Dec. 5, 1994), New York City, NY, *50 Future Leaders of America Under the Age of 40*

1994 Facts About Cuban Exiles (F.A.C.E.), *Pro Bono Award*

1994 Sigma Chi Fraternity (National), Annual Meeting, ON, Canada, *Significant Sig Medal*

1994 American College of Physicians, Philadelphia, PA, *Special Recognition of Community Service*

1993 Florida Gastroenterology Society, Opa-Locka, FL, *Distinguished Service Award*

1993 La Liga Contra El Cancer, Miami, FL, *Special Recognition*

1993 The Northern Trust Company, Miami, FL, *Community Leadership Award*

1993 Zeta Phi Beta Sorority, Beta Tau Zeta Chapter, *Outstanding Community Service*

1993 Greater Miami Jewish Federation, Miami, FL, *Outstanding Community Leadership Award*

1993 Veterans Caucus, affiliate of the American Academy of Physician Assistants, Dover, DE, *Special Community Award*

1993 South Florida Magazine, Miami, FL, *Health Care Heroes Award*

1993 Telemundo, Hialeah, FL, *Persona de la Semana* (July 5, 1993)

1993 MacArthur Foundation, Chicago, IL, *MacArthur Fellow* (June 15, 1993 – 1998)

1993 Jessie Ball DuPont Fund, Jacksonville, FL, *Jessie Ball DuPont Award*

1993 Dade County Bar Association, Miami, FL, *Doctor of the Decade*

1993 The Knights of Malta, *Knighthood*

1993 The Order of Saint Gregory the Great, *Knighthood*

1993 Catholic Church, *Pro Ecclesia et Pontifice, Papal Medal*

1992 Maxwell House, Nashville, TN, *100 Real Heroes*

1992 CNN en Español, Univisión, *Personalidad de la Semana* (Dec. 4, 1992)

1992 ABC World News, Peter Jennings, New York, NY, *Person of the Week* (Nov. 20, 1992)

1992 American College of Physicians, Florida Chapter, Jacksonville, FL, *Charles K. Donegan, M.D. Memorial Award for Distinguished Community Service*

1992 American Heart Association of Dade County, Hollywood, FL, *Man of the Year*

1992 Advertising Federation of Greater Miami, Miami, FL, *Community Service Award*

1992 Florida Humanist Association, Englewood, FL, *Outstanding Humanitarian*

1992 Social Workers of Dade County, Dade County, FL, *Special Community Service Honor*

1992 Dade County Medical Association Auxiliary, Miami, FL, *Doctor of the Year*

1992 The City of Miami, Miami, FL, *Commendation*

1992 National Association of Social Workers, Florida Chapter, Miami Dade Unit, *Public Citizen of the Year*

1991 Zeta Phi Beta Sorority, Washington, DC, *Outstanding Community Service*

1991 Zeta Phi Beta Sorority (Sigma Zeta Chapter), *Leadership Role Model Award*

1991 Hispanic Medical Student Organization, University of Miami Miller School of Medicine, Miami, FL, *Hispanic Medical Achievement Award*

1991 Office of the Mayor, Dade County, FL, *Dade County Red Ribbon Annual Community Leadership Award*

1991 Service Employees International Union, Washington, DC, *Hispanic Leadership Award*

1991 South Florida Business and Wealth, Ft. Lauderdale, FL, *Up and Comers Winner – Medical Category*

1991 Christopher Columbus High School, Miami, FL, *Hall of Fame* (induction: Jan 1991)

1990 Medical Business Magazine, *Medical Humanitarian of the Year*

1990 Hispanic Business Magazine, *Top 100 Most Influential Hispanics in the United States* (Nov 1990)

1990 Representative Ileana Ros-Lehtinen (FL, 27<sup>th</sup> Dist.). "A Tribute to Dr. Pedro Jose Greer, Jr." *Congressional Record* 136:95 (July 23, 1990).

1990 Florida Medical Association, Tallahassee, FL, *The Herald Strasser, MD Good Samaritan Award*

1990 Hispanic Heritage Award Foundation (Subsequently: Hispanic Heritage Foundation), Washington, DC, *Hispanic Heritage Award for Excellence in Leadership*

1990	Cedars of Lebanon Hospital Foundation, Beverly Hills, CA, <i>Concern Award</i>
1989	Miami Young Republicans (formerly, Biscayne Bay Young Republicans), Miami, FL, <i>Award for Excellence</i>
1989	Cuban Medical Association, Miami Beach, FL, <i>Special Award Honoring Excellence</i>
1989	The Miami Herald, Miami, FL, <i>Spirit of Excellence Award</i>
1989	Dade County Metropolitan Government, Dade County, FL, <i>Commendation</i>
1989	University of Miami Medical School Students, Class of 1989, Miami, FL, <i>House Officer of the Year</i>
1989	Directors of Volunteers in Agencies, Miami, FL, <i>National Volunteer Week Award – Volunteer of the Year</i>
1989	The City of Miami, Miami, FL, <i>Certificate of Appreciation</i>
1989	University of Miami Medical School Overseers Committee, Miami, FL, <i>Helping Hands Special Recognition Award</i>
1989	Public Health Trust Medical Social Workers, Miami, FL, <i>Distinguished Community Service Award</i>
1989	Saint Martin de Porres Society, Miami, FL <i>Peace and Unity Award</i>
1988	American Medical Association, Chicago, IL, <i>AMA-Burroughs Wellcome Award in Leadership and Community Service</i>
1987	American Medical Association, Chicago, IL, <i>Outstanding Young Men of America</i>

## PROFESSIONAL ORGANIZATIONS

### *Memberships*

American College of Gastroenterology, Fellow (1993)  
 American College of Physicians, Fellow (1991)  
 American Gastroenterology Association  
 American Association for the Study of Liver Disease  
 Florida Gastroenterology Association  
 American Society for Gastrointestinal Endoscopy  
 American College of Medicine  
 Dade County Medical Association  
 Florida Medical Association

### *Service to Professional Organizations*

1991-1992	Ad Hoc Committee on Physician Volunteerism, American College of Physicians	Member
1989-1994	Health and Public Policy Committee, American College of Physicians	Member
1989-1990	Ad Hoc Fellows Committee, American College of Physicians	Co-Chair
1989-1990	American College of Physicians, Medicine, Resident Physician section (RPS)	Florida Delegate
1986-1992	Indigent Care Committee, American College of Physicians	Member

## BOARDS, COMMITTEES, AND COMMUNITY SERVICE

### *National*

2016-Pres.	American Funds/ Capital Group, Board of Directors; Los Angeles, California	Member
2016-Pres.	Geisinger Commonwealth School of Medicine, Board of Directors; Scranton, PA	Member
2015-2016	Association of Academic Health Centers, Short-Term Social Determinant of Health (SDOH) Advisory Group; Washington, DC	Member
2014-2019	Dartmouth Geisel School of Medicine, Center for Health Equity, Board of Advisors; Hanover, NH	Member
2010-Pres.	RAND Pardee Graduate School, Board of Governors; Santa Monica, CA	Chair
2010-Pres.	RAND Corporation, Executive Committee; Santa Monica, CA	Member
2010-Pres.	RAND Corporation, Board of Trustees; Santa Monica, CA	Member
2006-Pres.	Multicultural Education Training and Advocacy (META) Project, Board of Directors; Somerville, MA	Member
2006-2007	Smithsonian Latino Center, Board of Directors; Washington, DC	Member
2001-Pres.	RAND Health, Advisory Board; Santa Monica, CA	Member
2001-2011	Hispanic Heritage Foundation, Board of Directors; Washington, DC	Chair
1999-2010	BNY/Mellon-United Bank, Board of Directors; New York, NY	Member



1999	W. K. Kellogg Foundation, Fellowship in Health Policy Research Selective Committee; New York, NY	Participant
1999	Department of Health and Human Services, Agency for Health Care Policy & Research, Minority Health Services; Rockville, MD	Participant
1998-Pres.	RAND Pardee Graduate School, Board of Governors; Santa Monica, CA	Charter Member
1996-2007	RAND Corporation, Board of Trustees; Santa Monica, CA	Member
1996-1998	Physicians for Human Rights Board; Boston, MA	Member
1995-1999	National Hispanic Scholarship Board; Novato, CA	Member
1994-1999	Drug Strategies National Board, Washington, DC	Member
1994-1995	Dr. Pepper/7 Up Companies, Inc., Board of Directors; Dallas, Texas	Member
1993-Pres	Comedy Relief USA, Inc., Board of Directors; New York, NY	Member
1993	Presidential Health Professional Review Group, President Clinton; Washington, DC	Member
1993	Governor Clinton's Transition Team for Health Care; Washington, DC	Member
1992-1998	National Council of La RAZA; Washington, DC	Member
1992-1995	Drug Policy Research Center, Advisory Board; Santa Monica, CA	Chair
1991-Pres.	Hispanic Heritage Foundation, Board of Directors; Washington, DC	Member
1990-2003	Drug Policy Research Center, Advisory Board; Santa Monica, CA	Member
1989-1995	Cuban American National Council, Executive Committee; Miami, FL	Member
1988	Health Care for the Homeless, National Advisory Council; Washington, DC	Member
1987-2000	Cuban American National Council, Board; Miami, FL	Member

***State/Local***

2004-Pres.	Orange Bowl Committee; Miami Lakes, FL	Hon. Member
2002-2005	State of Florida, Department of Elderly Affairs Advisory Council; Tallahassee, FL	Chair, Gov. Appointee
2002-2003	Miami-Dade County Mayor's Health Care Task Force; Miami-Dade County, FL	Member
2002	Destination Florida Committee; Miami, FL	Member, Gov. Appointee
1999-2001	Camillus House, Board of Directors; Miami, FL	Chair
1998-Pres.	Junior League of Miami, Community Advisory Board; Miami, FL	Member
1997	State of Florida, Department of Elderly Affairs, Committee; Tallahassee, FL	Chair
1995-Pres.	University of Florida Foundation, Board of Directors; Gainesville, FL	Member
1994-2001	Miami-Dade County Homeless Trust Board; Miami-Dade County, FL	Member
1994-1998	Catholic Health Services, Board of Directors; Lauderdale Lakes, FL	Member
1992-2002	Miami Coalition for a Drug Free Community, Board of Directors; Miami, FL	Member
1992-1998	United Way of Dade County, Board of Directors	Member
1992-1994	Governor's Commission of the Homeless, Ad-Hoc; Tallahassee, FL	Member
1992-1994	We Will Rebuild, Board of Directors; Miami, FL	Member
1992-1993	Miami Coalition for the Homeless, Board of Directors; Miami, FL	Member
1992	Dade County, Public Health Trust, Citizens Advisory Board	Member
1992	Migrant Camps, Hurricane Andrew Relief: University of Miami School of Medicine, United Way, & Camillus Health Concern	Coordinator
1991-1992	Indigent Health Care Task Force for Dade County; Miami, FL	Chair
1990	Dade County, Committee for Health Reform, ad-hoc; Dade County, FL	Member
1989-2001	Camillus House, Board of Directors; Miami, FL	Member
1989-1993	Catholic Community Services, Board of Directors; Miami, FL	Member
1989-1991	Safe Space – Shelter for Battered Women, Advisory Board	Member
1988-2001	Camillus Health Concern, Board of Directors	Member
1988	Homeless, Missing, and Exploited Children of Dade County, Board; Miami, FL	Member
1988	Greater Miami Chamber of Commerce, Task Force for the Homeless; Miami, FL	Member
1986-1987	Miami Coalition for the Homeless, Board of Directors; Miami, FL	Member

**INVITED PRESENTATIONS*****International Topics***

<u>Year</u>	<u>Type</u>	<u>Occasion/Event</u>	<u>Topic</u>	<u>Location</u>
2017	Panelist	25th Anniversary International Conference of the Netter Center for Community Partnerships, University of Pennsylvania	Community Health	Philadelphia, PA
2017	Panelist	25th Anniversary International Conference of the Netter Center for Community Partnerships, University of Pennsylvania	Community Health	Philadelphia, PA
2017	Presenter	AMEE Symposium, AMEE (International Association for Medical Education)	ASPIRE in Social Accountability	Helsinki, Finland
2013	Speaker	TEDx at Florida International University	Social Determinants of Health and Medical Curriculum Reform	Coconut Grove, FL
2012	Keynote	American University of the Caribbean School of Medicine, St. Maarten, Graduating Class of 2012	Social Justice	St. Maarten
2012	Speaker	TEDx at Coconut Grove, FL	Moving Upstream: Social Determinants of Health	Coconut Grove, FL
2010	Keynote	American University of the Caribbean School of Medicine, St. Maarten, Graduating Class of 2010	Social Justice	St. Maarten
2006	Speaker	Princeton University, Princeton-Harvard Cuba Conference	“Juventud Despierta”, “Capacity of the Cuban Diaspora”	Newark, NY
2004	Keynote	Caring Institute, 22nd National Association for Homecare & Hospice, 3rd World Congress on Homecare and Hospice	Social Responsibility in Health Care	Orlando, FL
2003	Speaker	International Symposium A Practical Approach to Infectious Diseases – 2003	New Horizons in Hepatitis C Infections	Miami, FL
2000	Keynote	5th Annual International Conference, International Institute of Human Understanding, Human Understanding	The Art of Being	Coconut Grove, FL
2000	Panelist	Panelist, LASA Conference	Cuban Miami’s Multiple Identities, Memories, Myths and Realities	Miami, FL
1999	Presentation	XVIII Seminario Medicino Latino Americano, Mercy Hospital	Hepatitis C: Current Therapy	Miami, FL
1997	Convocation Lecture	Alpha Omega Alpha (A.O.A.) Convocation Lecture, Ponce School of Medicine	Social Justice	Ponce, PR
1997	Speaker	Medical Grand rounds, Damas Hospital, Ponce School of Medicine	Viral Hepatitis A-E	Ponce, PR
1989	Presentation	5th International AIDS Conference	HIV Zero-Positivity in a Homeless Clinic	Montreal, Canada

## National Topics

<u>Year</u>	<u>Type</u>	<u>Occasion/Event</u>	<u>Topic</u>	<u>Location</u>
2019	Keynote	Future of Medicine Symposium	Roseman University Summerlin Campus	Las Vegas, NV
2019	Keynote	4 <sup>th</sup> Quarterly Faculty Development Meeting, CDU College of Medicine	Innovation in Clinical Education across the Medical Education continuum	Los Angeles, CA
2018	Lecturer	Developing a Curriculum for Health Professionals Guided by Social Determinants of Health and Community Engagement Seminar, University of Pennsylvania School of Medicine and School of Nursing	Social Accountability Where It Matters	Philadelphia, PA
2018	Panelist	Health Journalism 2018	Transforming Medical Education: How are Medical Schools Adjusting?	Phoenix, AZ
2017	Moderator	Aetna Hispanic Heritage Month Signature Event	A Conversation with Dr. Joe Greer	Hartford, CT
2017	Keynote	GI Roundtable Conference: Patient and Community Engagement	Patient and Community Engagement – My perspective	Fort Worth, TX
2017	Lecture	Golden Apple Distinguished Lecture, East University Heart Institute	Why Physicians Need to Save the World	Greenville, NC
2017	Keynote	Patient and Community Engagement - My Perspective, GI Roundtable Conference	Social Determinants of Health and the Future of Health Education	Forth Worth, TX
2017	Speaker	The U.S. News Healthcare of Tomorrow Conference	Addressing the Social Determinants of Health	Washington, DC
2017	Commencement Speaker	University of Illinois College of Medicine	Social Responsibility of Physicians and Health Professions	Chicago, IL
2016	Speaker	10th Annual Future of Medicine Summit	The Quest for Healthy Aging- Mind, Body and Spirit	West Palm Beach, FL
2016	Moderator	10th Annual SFHHA Healthcare Summit	How Health Systems Can Support Population Health Management	Davie, FL
2016	Moderator	2016 AAHC Global Issues Forum	Leadership in Social Determinants of Health Education	Washington, DC
2016	Speaker	2016 AMSA Convention	Bringing the Social Mission to Your School	Washington, DC
2016	Keynote	2016 CIR (Committee of Interns and Residents) National Convention SEIU Healthcare	The Role We Play in the Future of Health in America	Philadelphia, PA
2016	Speaker	AAMC 2016 Lean Serve Lead	Excellence in Medical Education: Standards for Best Practice	Seattle, WA
2016	Speaker	Beyond Flexner 2016	Maintaining, Starting and Expanding the Social Mission of Medical Schools	Miami, FL
2016	Speaker	Gold Humanism Conference, Thomas Jefferson University	Why We Need to Save the World, the Physicians Role	Philadelphia, PA
2016	Keynote	Internal Medicine/Medical Humanities Grand Rounds, SIU School of Medicine	How Medical Schools and their Curricula Can make America Better	Springfield, IL

2016	Speaker	JSU RCMI Distinguished Seminar Series, Jackson State University	Changing Medical Education	Jackson, MS
2016	Speaker	Medicine Grand Rounds, New York Medical College at Westchester Medical Center	Changing Medical Education	Valhalla, NY
2016	Keynote	RWJF Clinical Scholars 2016 Annual Meeting	Changing Medical Education	Atlanta, GA
2016	Speaker	The George Washington University, Internal Medicine Ground Rounds	How Medical Schools Curricula Can Make America Better	Washington, DC
2015	Plenary	11th Annual AAMC Health Workforce Research Conference	Innovations in Caring for Underserved Communities	Alexandria, VA
2015	Speaker	9th Annual Future of Medicine Summit: Innovations in Healthcare Delivery	Innovations in Healthcare Delivery Systems	West Palm Beach, FL
2015	Moderator for Plenary	Beyond Flexner	Education and Social Mission	Albuquerque, NM
2015	Presentation	Institute of Medicine, The National Academies of Sciences Engineering Medicine	Educating Health Professionals to Address the Social Determinants of Health A Consensus Study	Washington, DC
2015	Keynote	RAND Faculty Workshop: Conversations with Dr. Pedro Greer Jr. MD	Diversifying the Medical Profession through Community Engagement and Outreach	Santa Monica, CA
2015	Keynote	The Dartmouth Symposium on Health Care Delivery Science	Diffuse, Maintain, Sustain: Making Change Stick	Hanover, NH
2014	Lunch conv. with students	Baylor College of Medicine	Tomorrow's Medicine: How DO We Make the World Healthier	Houston, TX
2014	Keynote	Catholic Health Partners Governance Annual Retreat Meeting	Social Justice	Miami, FL
2014	Keynote	Gold Humanism Honor Society Induction Ceremony, University of Washington	Physicians Responsibility to the Most Vulnerable	Seattle, WA
2014	Speaker	Howard Dorsey Still (HDS) Lecture. Harvard Medical School	Social Justice and Healthcare, Why We Need to Save the World?	Boston, MA
2014	Keynote	San Jose Clinic Speaker Series Luncheon	Healthcare Crossroads: Influencing Policy and Social Responsibility	Houston, TX
2013	Keynote	2013 Together on Diabetes Grantee Summit, Bristol-Myers Squibb Foundation	Social Determinants and Social Justice	Atlanta, GA
2013	Keynote	American Diabetes Association, 6th Annual Disparities Partnership Forum	Model for Transforming a High Risk Community	Arlington, VA
2013	Keynote	Meharry Medical College	Immigrant Population and Social and Financial Implications That They Place On The Healthcare System	Nashville, TN
2013	Speaker	National Association of Free & Charitable Clinics Annual Summit	Waking up America: Why we should Save the World	Baltimore, MD
2013	Keynote	UMDJNJ- New Jersey Medical School Humanism Day	Humanism, Medicine, and Social Accountability	Newark, NJ

2013	Keynote	University of Colorado Denver School of Medicine - 2013 Gold Humanism Honor Society Inaugural Event Denver	Social Justice and Humanism	Colorado
2013	Guest	University of St. Louis, Sharing Responsibility, Improving Community Health	Sharing Responsibility, Improving Community Health	St. Louis, MO
2013	Speaker	University of Texas School of Dentistry of Houston. Ethics Forum, Escaping your Ethics Jail: Inter-Professional Ethics Education	What is ethics competency? Dispatches from the front line of a new integrated curriculum	Houston, TX
2013	Keynote	West Virginia University, Diabetes Symposium & Workshop: Bridging the Gap in Education	The Value of Cultural Diversity	Morgantown, WV
2012	Keynote	Harvard Medical School, 2012 Latino Medical Student Association	Social Justice	Boston, MA
2012	Keynote	University of Michigan Health Systems, Leadership Day	Social Justice, the Social Determinants of Health, and the Responsibilities of Healthcare Providers	Detroit, MI
2012	Commencement Speaker	Wayne State University, 2012 Graduation Commencement	Social Justice	Detroit, MI
2011	Keynote	Academy of Managed Care Pharmacy, AMCP'S 2011 Educational Conference General Session	Impact of Social Determinants	Atlanta, GA
2011	Keynote	Christus Health: Disparity in Healthcare in America	Disparity in Healthcare in America	Santa Fe, NM
2011	Speaker	The Colorado Health Symposium 2011, Colorado State of Mind	Social Determinants of Health and Social Justice	Denver, CO
2011	Commencement Speaker	UTMB School of Medicine Commencement	Why The Worlds Is Yours To Save	Galveston, TX
2010	Keynote	AMSA (American Medical Student Association) 60th Anniversary Annual Conference	Social Justice and Social Determinants of Health	Anaheim, CA
2010	Keynote	The University of Toledo College of Medicine	Issues in Migrant Worker Health	Toledo, Ohio
2010	Keynote	University of Chicago College of Medicine	Has American Medical Education Kept Up With The Needs of America	Chicago, IL
2009	Panelist	Chicago Contributes, Health Care Panel, University of Chicago	Chicago Contributes	Chicago, IL
2009	Keynote	Harvard University	Latinos in Health Care	Boston, MA
2009	Panelist Annual CDC	Session Using Healthcare Reform to Create Community Centric Efforts	Social Determinants of Health and Healthcare Reform	Washington, DC
2009	Keynote	Sisters of Charity of Leavenworth Health Systems	Maintaining Mission In Today's Society	Phoenix, AZ
2009	Lecture	Williams College	Health, Humanities, and Society	Williamstown, MA
2008	Keynote	St James Mercy Hospital	Social Justice and Healthcare in America	Hornell, NY
2007	Keynote	Seventeenth Annual Regional Conference, NNLAMS Midwest Region, University of Michigan Medical School	Salud Sin Barreras: Healthcare For All	Detroit, MI

2006	Keynote	91st Annual Catholic Health Assembly, Catholic Health Association	The Next Generation of Community Benefit From Random Acts of Kindness to Strategic Thinking	Orlando, FL
2006	Keynote	Community Benefit Conference	How to Inspire and Be Inspired by Physicians in Healthcare	Phoenix, AZ
2006	Keynote	University of Florida, 16th Annual HIV Conference	Keeping with the Pace: An HIV Update, Dealing with Recalcitrant Patients: Tips From The Trenches	Gainesville, FL
2005	Speaker	Medical Grand Rounds, Department of Medicine, University of Medicine and Dentistry of New Jersey, UMDNJ	Medical Consequences of Inappropriate Social and Public Policies	Newark, NJ
2005	Keynote	SACE (Southern Association of College Employees), Annual Meeting	Social Justice	Miami, FL
2005	Commencement Speaker	Salem State College, 151st Commencement	Social Justice	Salem, MA
2005	Guest Lecturer	Stone Hill College, Martin Institute, Craig Higgins' "Class Healthcare Foundations & Evolutions."	Lack of Social Justice in our Healthcare System	Easton, MA
2005	Keynote	Stone Hill College, Martin Institute: Department of Public Health: The Peter Mareb Memorial Lectures	Social Justice	Easton, MA
2004	Keynote	Duke University	Importance of Social Justice in Medicine and The Ability to use one's Medical Profession to Better One's Community	Raleigh Durham, NC
2004	Keynote	Orientation of first year Medical Students, University of Illinois	Book Talk	Chicago, IL
2004	Commencement Speaker	Stone Hill College, Stonehill 53rd Commencement	Social Justice	Easton, MA
2003	Disting. Lecture	Brown Medical School 2002-2003 Charles O. Cooke, M.D. Distinguished Visiting Lecture	Sun, Fun, Politics and Suffering: What Happens to Patients When Doctors don't Speak Up	Providence, RI
2003	Keynote	Exxon-Mobil Headquarters Hispanic Heritage	Minorities in Engineering, Math, and Science	Mclean, VA
2003	Keynote	HISPANIC Magazines Achievement Awards	Social Justice	San Francisco, CA
2003	Keynote	Iowa Hospital Association 74th Annual Meeting and Trade Show	Social Justice	Des Moines, Iowa
2003	Keynote	People en Español Magazine Senior Staff Retreat	Corporate Responsibility	Phoenix, AZ
2003	Keynote	University of the Pacific, Latino Leadership Conference (El Concilio)	Social Justice	Stockton, CA
2002	Keynote	Society of Gastroenterology Nurses and Associates (SGNA), Annual Meeting	Social Justice	Phoenix, AZ
2002	Keynote	ULAMS Regional Conference, UT Southwestern Medical School	Social Justice	Dallas, TX
2001	Lecture	Begando Lecture Series Humanities in Medicine, University of Illinois, Chicago, Medical School	Humanities in Medicine	Chicago, IL



2000	Keynote	10th Annual National Abandoned Infants Assistance Grantees Conference, University of California at Berkeley	A1A, A Decade of Helping Families Achieve Healthy Futures	Washington, DC
2000	Keynote	14th Annual Conference HIV/AIDS Jekyll Island	HIV, Hepatitis C, and Social Factors	Jekyll Island, GA
2000	Speaker	2000 National Healthcare for the Homeless Conference, Screening, Diagnosis, Treatment.	Hepatitis C Among Homeless People	Denver, CO
2000	Keynote	Columbia University, Alumni Club of Miami	Social Justice and a Physicians' Responsibility	Miami, FL
2000	Presenter	Health Affairs, Presenter, Narrative Matters	Personal Stories and the Making of Health Policies	Archie House, VA
2000	Keynote	Hispanic Heritage Festival	The Responsibility of Our Roles for Improving the World	Brunswick, NJ
2000	Keynote	Northwest Regional Primary Care Association	Social Justice	Denver, CO
2000	Keynote	United Way National De Tocqueville Meeting	Social Responsibility translating into Social Justice	Coral Gables, FL
2000	Keynote	United Way, Alexis De Tocqueville Society of Denver	Book Talk	Denver, CO
2000	Keynote	University of Alabama at Birmingham, VA Medical Center, Recognition Ceremony for Graduating Residents	Book Talk and Social Responsibility	Birmingham, AL
1999	Keynote	13th Annual Minority Health Conference, University of Michigan	Facing the Public Health Challenges of Tomorrow: Fresh Perspectives for the New Millennium	Ann Arbor, MI
1999	Lectures	First Year Medical students and High School students regarding, Dearborn Fordson High School	Outreach to the Arabic Community of Greater Detroit	Detroit, MI
1999	Keynote	Health Occupations Partner in Education (HOPE), Ypsilanti High School	Future Opportunities for All Students	Detroit, MI
1999	Lectures	Seminars in Medicine, Third Year Medical Class, University of Michigan Medical School, Office of Multi-Ethnic Student Affairs	Various Topics	Ann Arbor, MI
1999	Keynote	Student National Medical Association (SNMA), 34th Annual National Medical Educational Conference	Diversity in Medicine: The Lifeline to Culturally Sensitive Healthcare	Miami, FL
1998	Plenary	11th Annual Texas HIV/STD Conference at the Texas Department of Health	Poverty and Disease	Austin, TX
1998	Speaker	Harvard Medical School	Physicians and Poverty	Boston, MA
1998	Lecture	Massachusetts Institute of Technology (MIT), Minority Scientist's and Engineer's Roles in the Future of America	The Role of Minority Scientists in the U.S. and the World	Cambridge, MA
1998	Keynote	New England Biomedical Science Careers Program, sponsored by Commonwealth Fund and Harvard Medical School	Healthcare and the Homeless	Boston, MA
1997	Speaker	American Medical Student Association Annual Meeting, Homelessness and Student Responsibility	Issues of Physicians and Responsibility	Orlando, FL
1997	Keynote	National Hispanic Medical Association First Annual Meeting	Social Justice	Washington, DC

1997	Speaker	Physicians for Human Rights, 10th Annual Meeting	Health and Human Rights Issues in American Medicine	Boston, MA
1996	Speaking Series	Grand Rounds-The Dean Series, University of Medicine and Dentistry of New Jersey, School of Osteopathic Medicine	Our Responsibility as Physicians	Stratford, NJ
1996	Keynote	Masters in Pediatrics Annual Conference	Social Justice	Miami, FL
1996	Speaker	National Association of Commission on Women	Poverty and Women	Miami, FL
1995	Commencement Speaker	East Tennessee State University, Medical Honors Graduation	Physicians and Social Responsibility	Johnson City, TN
1995	Keynote	Indianapolis Statewide Conference on the Homeless	Homelessness and our Collective Responsibility	Indianapolis, IN
1995	Keynote	State of Louisiana, 5th Annual Homeless Conference	Physician Responsibility	Baton Rouge, LA
1994	Lecture	A.O.A. Lecture and Medical Grand Rounds, Emory University School of Medicine	Physicians and Social Responsibility	Atlanta, GA
1994	Commencement Speaker	New York Medical College, Carnegie Hall, 135th Graduating Class, New York	Physicians and Social Responsibility	New York
1993	Chair Briefing	Briefing to 103rd Congress on Drug Policy	Briefing on Drug Policy	Washington, DC
1993	Keynote	CSAP, Resource link II Annual Meeting, Washington Hilton	From Under the Bridges to the Executive Offices	Washington, DC
1993	Speaker	National Council of Jewish Women, Annual Luncheon	Social Responsibility	Miami, FL
1993	Speaker	The Forum, Institute of Politics at the John F. Kennedy School of Government, Harvard University	Current Policies with Homelessness	Cambridge, MA
1992	Keynote	Food Link, Annual Dinner	Physicians and Social Responsibility	Rochester, New York
1992	Speaker	Medical Grand Rounds, Department of Medicine, St. Mary's Hospital, University of Rochester	Medical Consequences of Healthcare and the Poor, a Physicians Responsibility	Rochester, New York
1991	Keynote	Critical Care Registered Nurse (CCRN), Annual Luncheon	Healthcare Professionals' Responsibility for the Indigent	Miami, FL
1990	Speaker	AAMS National Convention	Homeless Healthcare and a Multicenter Clinic	Washington, DC
1989	Presentation	Southern Medical Association Annual Meeting	Traumatic Neuromas as a cause of Post-Cholecystectomy Syndrome	Washington, DC
1988	Speaker	NACHC Regional Meeting	Health, Homelessness and Coalition Building	New Orleans, LA

### ***Local and Regional Topics***

<u>Year</u>	<u>Type</u>	<u>Occasion/Event</u>	<u>Topic</u>	<u>Location</u>
2019	Speaker	2019 Future of Healthcare Conference and Annual Meeting	The Joy of Medicine	Jacksonville, FL
2019	Keynote	8 <sup>th</sup> Annual Senator Philip D. Lewis Luncheon	Homeless Coalition Keynote Address	West Palm Beach, FL



2017	Speaker	Bob Graham Center Public Program, University of Florida	What is a Citizens Responsibility to the Most Vulnerable	Gainesville, FL
2017	Speaker	Our Lady of Lourdes Academy	The Plunge Experience	Miami, FL
2016	Keynote	St. Anthony's Healthcare Foundation	Physicians and Social Justice	St. Petersburg, FL
2015	Lecture	Diversity Day, University of Florida	Innovation in Healthcare Education and Delivery: Why It Needs to Change	Gainesville, FL
2015	Keynote	Greater Kendall Business Association Luncheon	FIU Unique Approach to Improve Health in the Community	Miami, FL
2014	Keynote	Florida Association of Free and Charitable Clinics 2014 Annual Conference	Social Determinants of Health and its Influence on Health Outcomes	Orlando, FL
2014	Speaker	Florida State University College of Medicine. Humanism Grand Rounds	Physicians Roles and Responsibilities in Today's Society	Tallahassee, FL
2014	Keynote	Integrate HIMSS Fall Event 2014	Social Responsibility	Davie, FL
2014	Speaker	MDCC North Campus	Faces of the Homeless in an International City: Through the Eyes of the Artists	Miami, FL
2012	Speaker	Bob Graham Center for Public Service, University of Florida	Social Responsibility and Social Justice	Gainesville, FL
2011	Keynote	2011 NBCSK & NHCSL Promoting Healthy Lifestyles Conference	Social Responsibility	Miami, FL
2010	Keynote	University of Miami Primary Care Week	Physician Responsibilities in Society	Miami, FL
2009	Keynote	FIAC Community Forum: Immigrant Access to Healthcare	FIAC Community Forum: Immigrant Access To Healthcare	Miami, FL
2008	Keynote	Avera Health, Marriot City Center	Social Justice and Healthcare in America	Minneapolis, MN
2008	Keynote	Brevard County	Health Issues	Melbourne, FL
2004	Keynote	Barry University	Social Work Practice In These Troubled Times	Miami, FL
2004	Keynote	Grant Makers in Health Conference	Physicians and Healthcare System's Responsibility to the Poor	Ft. Lauderdale, FL
2004	Keynote	Miami-Dade Community College Honors Programs Students Orientation, Miami, Florida Wolfson Campus	Social Responsibility	Miami, FL
2004	Keynote	United Way of America, Alexis de Tocqueville Society	Our Responsibility to the Most Vulnerable	Sarasota, FL
2003	Keynote	31st Annual Dinner Benefiting the Central Florida Health Care Clinics	Social Responsibility in Health Care	Lake Wales, FL
2003	Keynote	Central Florida Health Care Coalition	Social Determinants and Social Responsibility of Health Care Professionals	Orlando, FL
2003	Speaker	Invited by Governor Jeb Bush, talk to Governors Senior staff, Leadership Forum	Social Responsibility	Tallahassee, FL
2003	Keynote	Kosher Food Bank, Grand Opening Ceremony	Social Justice and Social Responsibility	Miami, FL
2003	Keynote	The Golden Rule Awards Benefit	Healthcare and the Homeless	Immokalee, FL
2003	Commencement Speaker	University of Florida Medical School	Physician Responsibility and Social Justice	Gainesville, FL
2002	Keynote	Hope Program Indigent Care	Social Responsibility and Social Justice	Melbourne, FL
2002	Keynote	Minority Premedical Student Forum, University of Florida	Diversity, Responsibility, and Social Justice	Gainesville, FL

2002	Keynote Address	NACOPRW (National Conference of Puerto Rican Women), Miami Chapter	Social Justice	Miami, FL
2001	Keynote Address	Annual Junior National Honor Society Induction, George W. Carver Middle School	Social Responsibility Starts Now	Coconut Grove, FL
2001	Keynote	Belen Jesuit Preparatory School, Annual Book Fair	Waking up in America	Miami, FL
2001	Book Lecture	American Association of University Women, Miami Chapter	Book Lecture	Miami, FL
2001	Keynote	Florida International University, Annual Honors Awards Ceremony	Social Justice	Miami, FL
2001	Lecture	University of Florida Medical Students Annual Conference	Physicians and Poverty	Gainesville, FL
2001	Keynote	University of West Florida, John C. Pace Speaker Series	Social Responsibility	Pensacola, FL
2000	Speaker	Byblos Literary Feast 2000, Meeting of the Minds Novel Day for Students	Waking Up In America	Fort Lauderdale, FL
2000	Commencement Address	Commencement Address for Graduating Class of 2000, Palmer Trinity School	The Future and How You Can Make It Better	Miami, FL
2000	Keynote	Coral Gables Senior High School, National Honor Society	Social Responsibility	Miami, FL
2000	Keynote	Coral Reef Senior High School, International Baccalaureate Pinning Ceremony	Social Responsibility	Miami, FL
2000	Keynote	Florida AIDS Summit 2000 (AHEC)	AIDS Education Training	Jacksonville, FL
2000	Keynote	Florida Governor's Health Care Summit, Solutions for the Uninsured	Solutions for the Uninsured	Miami, FL
2000	Keynote	Luncheon, University of Tampa, Honors Program, State of Florida Junior Colleges	Book Talk	Tampa, FL
2000	Keynote	Media Appreciation Luncheon, Archdiocese of Miami	Social Justice	Miami, FL
2000	Keynote	Mercy Hospital	Liver Cancer Prevention in Hepatitis C	Miami, FL
2000	Keynote	Our Lady of Lourdes Academy, Annual Assembly, Book Talk	Waking up in America	Miami, FL
2000	Lecture	Pediatric Grand Round, University of Miami Department of Podiatry	Physicians -The Poor and Our Responsibility	Miami, FL
2000	Keynote	Public Education Foundation of Marion County, Leadership Ocala Class Frazier Graduation	Our Collective Social Responsibility	Ocala, FL
2000	Keynote	Selby Foundation, First Annual Scholar Symposium	Book Talk	Sarasota, FL
2000	Keynote	University of Florida, Hispanic Student Association	Book Talk	Gainesville, FL
2000	Keynote	University of Miami, Primary Care Week	Innovative Approaches to Health Care	Miami, FL
2000	Keynote	Workshop, Hispanic Student Forum, University of Florida	Responsibility and Compassion	Gainesville, FL
1999	Speaker	Festival of Readings	Waking Up In America	St. Petersburg, FL
1999	Keynote	Florida Alcohol & Drug Abuse Administration (FADAA) 15th Annual Multicultural Symposium	Just the Facts Alcohol & Drug Abuse in Hispanics	Hollywood, FL
1999	Speaker	Miami International Book Fair	Waking Up In America	Miami, FL

1999	Speaker	Nursing Management of HIV Disease Workshops Jackson Memorial Medical Center, Florida AIDS Education and Training Center, Association of Nurses in AIDS Care, Metro Miami Chapter	HIV & the Homeless	Miami, FL
1999	Speaker	Sarasota Reading Festival	Waking Up In America	Sarasota, FL
1998	Keynote	2nd Annual Conference of the Melissa Institute for Violence Prevention and Treatment at the Victor E. Clarke Educational Center, South Miami Hospital	Physicians and Social Responsibility	Miami, FL
1998	Collaborative Presentation	Community Epidemiology Work Group Meeting	HIV Surveillance of Drug Abuse and Sexual Risk Behaviors among homeless persons in Miami-Dade County, Florida	Miami, FL
1998	Keynote	Florida Department of Health, Bureau of HIV/AIDS Conference	The Future of HIV Counseling and Testing, Advanced Concepts and Techniques	Orlando, FL
1998	Keynote	Health Care Heroes Award, Greater Miami Chamber of Commerce	Social Responsibility and Professional Responsibility	Miami, FL
1998	Keynote	Walden University, Policy and the Advocates	Policy and Advocacy	Miami, FL
1996	Commencement Speaker	Mast Academy	How You Can Make the World Better	Miami, FL
1996	Speaker	University of Florida School of Medicine	How to Make a Living and a Difference	Gainesville, FL
1995	Convocation Speaker	A.O.A. Convocation Speaker and Medical Grand Rounds, University of Florida School of Medicine	Physicians and Responsibility	Gainesville, FL
1995	Commencement Speaker	Palmer-Trinity School	How You Can Make the World Better	Miami, FL
1993	Keynote	Florida Homeless Conference	Healthcare for the Homeless	Tallahassee, FL
1993	Commencement Speaker	Ransom Everglades High School	How You Can Make the World Better	Miami, FL
1993	Speaker	Sarasota General Hospital	Health and the Homeless	Sarasota, FL
1993	Keynote	University of Miami School of Medicine, Student Council Convention, Health Reform In Our Future	Health Reform in Our Future	Miami, FL
1992	Commencement Speaker	Barry University School of Nursing	Social Responsibility	Miami Shores, FL
1992	Speaker	Barry University School of Podiatric Medicine, Senior Students	Indigent Care	Miami, FL
1992	Keynote	FADA (Florida Alcohol and Drug Association) Annual Meeting	Societal Factors, Drugs, and Behavioral Health	Ft. Lauderdale, FL
1992	Keynote	Leadership Florida	Social Responsibility	Miami, FL
1992	Speaker	Medical Grand Rounds, Department of Medicine University of Florida, College of Medicine	Physicians Responsibility, Not Just To Patients, But to Society	Gainesville, FL
1991	Keynote	Alpha Epsilon Delta (Premed Honor Society) Annual Dinner and Induction, University of Miami, Marriot Hotel	Social Responsibility	Miami, FL
1991	Speaker	Barry University School of Podiatric Medicine, Senior Students	Indigent Care	Miami, FL
1991	Keynote	Health Issues Conference, University of Florida College of Medicine	Indigent Care	Gainesville, FL
1991	Speaker	The Homeless, University of Miami School of Law	Law and Poverty	Miami, FL

1991	Commencement Speaker	University of Miami School of Business	Inappropriate Social Policy	Coral Gables, FL
1990	Keynote	Best of the Class, (Graduating Seniors, Tri-county Area) WBFS TV, Atlantis Water Park	Social Responsibility	Paradise Island, Bahamas
1990	Speaker	Catholic Community Services Annual Conference, Social and Economic Justice	Health Care and the Homeless: A Local Approach	Miami, FL
1990	Speaker	Children in Crisis Conference, University of Miami	Homelessness in the United States	Miami, FL
1990	Keynote	Holy Cross Hospital (Luz del Mundo Clinic)	Responsibility as Healthcare Providers to the Most Vulnerable	Ft. Lauderdale, FL
1990	Speaker	Omicron Delta Epsilon Leadership Conference, University of Miami	Ethics In America	Coral Gables, FL
1990	Keynote	Public Interest Seminar University of Miami School of Law	AIDS and the Homeless	Coral Gables, FL
1990	Keynote	University of Miami School of Law Homelessness and the Law	Medical Consequences of the Law and Homelessness	Coral Gables, FL
1989	Speaker	Conference on Homeless, Mental Illness and Health, University of South Florida	Health Aspects of the Homeless	Tampa, FL
1989	Speaker	Homeless Symposium, Barry University	Health and Homelessness	Miami Shores, FL
1989	Speaker	University of Miami School of Law	Volunteers and the Homeless	Coral Gables, FL
1988	Speaker	Barry University, School of Nursing	Health Care and the Homeless	Miami Shores, FL
1988	Keynote	Career Day, Cuban American National Council & Dade County School Board	Your Future and Your Responsibility	Miami, FL
1987	Speaker	Medical Grand Rounds University of Miami School of Medicine/Department of Medicine	The Plight of the Homeless in an Affluent Society	Miami, FL
1987	Lecture Series	Emergency Lecture Series to University of Miami/Jackson Memorial Hospital Interns	Approach to the Homeless Emergency Room Patient	Miami, FL

### SERVICE TO PROFESSIONAL PUBLICATIONS

Reviewer, American Journal of Public Health  
 Reviewer, Health Policy Journal  
 Reviewer, The Journal of Family Practice  
 Editorial Board Member, Medico Interamericano

### RESEARCH AND CREATIVE OPPORTUNITIES

#### PEER-REVIEWED PUBLICATIONS

11. **Greer PJ**, Brown DR, Brewster LG, Lage OG, Esposito KF, Whisenant EB, Anderson FG, Castellanos NK, Stefano TA, Rock JA. Socially Accountable Medical Education: An Innovative Approach at Florida International University Herbert Wertheim College of Medicine. *Acad. Med.* 2018;93(1):60-65. doi: 10.1097/ACM.0000000000001811.
10. Campa A, Martinez SS, Sherman KE, **Greer PJ**, Li Y, Garcia S, Stewart T, Ibrahimou B, Williams OD, Baum MK. Cocaine Use and Liver Disease are Associated with All-Cause Mortality in the Miami Adult Studies in HIV (MASH) Cohort. *J Drug Abuse.* 2016;2(4):1-21. doi: 10.21767/2471-853X.100036.

9. Rock JA, Acuña JM, Lozano JM, Martinez IL, **Greer PJ**, Brown DR, Brewster L, Simpson JL. Health impact of an academic community partnership for medical education: Evaluation of a novel student-based home visitation program. *South Med J*. 2014 Apr; 107(4):203-11. doi: 10.1097/SMJ.0000000000000080.
8. Parsons M, Campa A, Lai S, Li Y, Martinez JD, Murillo J, **Greer PJ**, Martinez SS, Baum MK. Effect of GSTM1-Polymorphism on Disease Progression and Oxidative Stress in HIV Infection: Modulation by HIV/HCV Co-Infection and Alcohol Consumption. *J AIDS Clin Res*. 2013 Aug 31;4(9):10002337. doi: 10.4172/2155-6113.1000237.
7. Fogel R, Rams H, **Greer PJ**, Jacobs M, Plasencia G, Gomez E, De Fogel JF. Investigating the Safety of Weight Reduction Via Endoluminal Vertical Gastroplasty – A U.S. Pilot Study with 6 Months Follow-Up. *Gastrointestinal Endosc*. 2008 Apr;67(5): S1478. doi: 10.1016/j.gie.2008.03.293.
6. Schultz JM, **Greer PJ**, LaLota M, Garcia LM, Valverde E, Collazo R, Waters M, McCoy CB. HIV seroprevalence and risk behaviors among clients attending a clinic for the homeless in Miami/Dade County, Florida, 1990-1996. *Popul Res Policy Rev*. 1999;18:357-372. doi: 10.1023/A:1006232827339.
5. Fournier AM, Tyler R, Iwasko N, LaLota M, Shultz J, **Greer PJ**. Human Immunodeficiency virus among the homeless in Miami: A new direction for the HIV Epidemic. *Am J Med*. 1996 May;100(5):582-584. doi: 10.1016/S00029343(95)000194.
4. Fournier AM, Perez-Stable A, **Greer PJ**. Lesson From a Clinic for the Homeless: The Camillus Health Concern. *JAMA* 1993;270(22):2721-2724. doi: 10.1001/jama.1993.03510220077038
3. **Greer PJ**, Lacayo L, Reiner DK, Smoak WM, Barkin JS. The rim sign: the ghostly portender of acute cholecystitis. *Am J Gastroenterol*. 1992 May;87(5):627-9.
2. Schultz J, **Greer PJ**, et al. Characteristic and Risk Behavior in Homeless Black Male Seeking Service from the Community Homeless Assistance Plan – Dade County, Florida, August 1991. *MMWR Morb Mortal Wkly Rep*. 1991 Dec 20;40(50): 865-868.
1. Hasan FA, Jeffers LJ, Dickinson G, Otrakji CL, **Greer PJ**, Reddy KR, Schiff ER. Hepatobiliary Cryptosporidiosis and Cytomegalovirus Infection Mimicking Metastatic Cancer to the Liver. *Gastroenterology* 1991;100:1743-1748.

#### INVITED EDITORIALS, SOLICITED PERSPECTIVES, COMMENTARIES & LETTERS

7. **Greer PJ**. Who is Accountable for Society's Health? Implications for Future Directions. *Journal on Anchor Institutions and Communities* 2016;1:52-55. Available at: [https://www.margainc.com/wp-content/uploads/2017/05/AITF\\_Journal\\_2016\\_Vol\\_1.pdf](https://www.margainc.com/wp-content/uploads/2017/05/AITF_Journal_2016_Vol_1.pdf)
6. **Greer PJ**. Perspective: Medical Education – A Focus on Social Accountability. *Minnesota Health Care News* 2016 May;14(5):8. Available at: [https://issuu.com/mppub/docs/mn\\_healthcare\\_news\\_may\\_2016](https://issuu.com/mppub/docs/mn_healthcare_news_may_2016).
5. **Greer PJ**. Editorial: Is Health Reform Dead? *USA Today* 1994 Jun 2.
4. **Greer PJ**. La Salud Como David Y Goliat. *El Nuevo Herald* 1993 Dec 1.
3. **Greer PJ**. Op/Ed: Homelessness. *Miami Herald* 1993 Sept 26.
2. **Greer PJ**. A Letter from Homestead, Florida. *The Courtland Forum* 1992 Nov:138-144.
1. **Greer PJ**. Editorial: Homelessness and Children. *International Pediatric Journal* 1991;6(30):249.

## BOOKS

2. **Greer PJ**, with Balmaseda L. Waking up in America: How One Doctor Brings Hope To Those Who Need It Most. Paperback. New York, NY: Touchstone; 2001.
1. **Greer PJ**, with Balmaseda L. Waking up in America: How One Doctor Brings Hope To Those Who Need It Most. Hardcover. New York, NY: Simon & Schuster Publishing; 1999.

## BOOK CHAPTERS

3. **Greer PJ**, O'Connell JK. Hepatitis C Virus. In: O'Connell JK, Swain SE, Daniels CL, Allen JS, eds. The Health Care of Homeless Persons: A Manual of Communicable Diseases & Common Problems in Shelters & on the Streets. Boston, MA: The Boston Health Care for the Homeless Program, Guthrie Nixon Smith Printers; 2004:41-46.
2. Moreno MD, Jose N, **Greer PJ**. Co-infection with Hepatitis B & C. In: Steinhart CR, Orrick JJ, Simpson K, eds. HIV/AIDS Primary Care Guide. Gainesville, FL: Florida AIDS Education and Training Center; 2002.
1. **Greer PJ**, Munhall PL. The Culture of Poverty and Backyard Efforts. In: Munhall PL, Fitzsimons V, eds. The Emergence of Women in the 21st Century. Sudbury, MA: Jones & Bartlett; 1995: 75-83.

## ABSTRACTS AND POSTERS

25. Lage OG, Esposito K, Bonnin R, Raventos V, Naranjo M, Li Y, Whisenant E, Brown D, **Greer PJ**. Utilizing Service Learning to Assess Students Perceptions of Interprofessional Teams (Follow-Up). Poster presentation at the: AMA Accelerating Change in Medical Education Consortium , Spring Conference; April 2018; Providence, RI.
24. Lage OG, Esposito K, Bonnin R, Raventos V, Naranjo M, Li Y, Whisenant E, Brown D, **Greer PJ**. Utilizing Service Learning to Assess Students Perceptions of Interprofessional Teams. Poster presentation at the: AMA Accelerating Change in Medical Education Consortium , Spring Conference; April 2017; Providence, RI.
23. Lage OG, Raventos V, Naranjo M, Bonnin R, Esposito K, Whisenant E, Brown D, **Greer PJ**. Longitudinal Interprofessional Assessment Tools for NeighborhoodHELP®. Poster presentation at the: AMA Accelerating Change in Medical Education Consortium, Spring Conference; March 2017; Scottsdale, AZ.
22. Whisenant E, Lage OG, Brown D, **Greer PJ**. Teaching Household Centered Care, Interprofessional Teamwork and Social Accountability through a Longitudinal Service Learning Curriculum. Innovation Oral Presentation at: Learn, Serve Lead: The 2016 AAMC Annual Meeting; November 2016; Seattle, Washington.
21. Brewster L, **Greer PJ**, Brown DR, Fluney E, Ryan GW, Lacroix S, Stewart A, Bendaña H. Social Determinants of Health Specialists: The role of community-based organizations in the household-centered care approach. The Beyond Flexner Conference; September 16, 2016; Miami, FL.
20. Lage OG, Whisenant E, Chonin A, Farnsworth B, Brown DR, **Greer PJ**. Florida International University Herbert Wertheim College of Medicine: Teaching social determinants of health through community immersion, reflection, and diverse interprofessional student teams. AMEE 2016 (abstract); August 16, 2016.



19. Garba NA, Lage OG, Whisenant E, Wells A, Brown DR, Anderson F, Brewster L, Pedoussaut M, **Greer PJ**. NeighborhoodHELP® Linking Communities and Primary Care with a Focus on the Social Determinants of Health, Household-Centered Care, and Community Partnerships. Bringing Public Health & Primary Care Together: The Practical Playbook National Meeting; May 22-24, 2016.
18. Lage OG, Esposito K, Brown D, Whisenant E, **Greer PJ**, Rock J. Innovation in Education and Healthcare Delivery: Herbert Wertheim College of Medicine. Poster presentation at: AMA Accelerating Change in Medical Education Consortium, Spring Conference; March 2016; Hershey, PA.
17. Brown D, Brewster L, Towe V, Chen P, Valdez L Ta A, Metula A, Camps Romero E, Rockowitz E, Ryan G, and **Greer PJ**. Evaluation framework for a new model of integrated sociomedical outreach at Florida International University. Poster Presented at 45th Annual Urban Affairs Association Conference. Miami, FL, April 10, 2015
16. Stewart T, Campa A, Fleetwood C, Li Y, Martinez SS, Ramamoorthy V, Ibrahimou B, **Greer PJ**, Murillo J, Sherman KE, Baum MK. Bacterial translocation, oxidative stress, the fibrogenic cytokine TGF- $\beta$ 1 and liver fibrosis in a subset of the Miami Adult Studies on HIV (MASH) cohort. Poster presented at: HIV & Liver Meeting; Sept 18-20, 2014; Jackson Hole, WY.
15. Martinez SS, Campa A, Sherman K, Li T, Li Y, Murillo J, **Greer PJ**, Stewart T, Ramamoorthy V, Dizon K, Fleetwood C, Baum MK. Low plasma zinc is associated with higher mitochondrial DNA 8-hydroxyguanosine (8-oxo-dG) and faster liver fibrosis in the Miami adult studies in HIV (MASH) Cohort. Poster presented at: HIV & Liver Meeting; Sept 18-20, 2014; Jackson Hole, WY.
14. Baum MK, Martinez S, Sherman K, Williams O, Li Y, **Greer PJ**, Murillo J, Stewart T, Fleetwood C, Ramamoorthy V, Dizon K, Alvarado G, Sneji A, Seminario L, Charlesworth A, Campa A. Association of hepatocyte apoptosis and cocaine use in the Miami adult studies in HIV (MASH) cohort. Poster exhibition at: 20<sup>th</sup> International AIDS Conference; July 20-25, 2014; Melbourne, Australia.
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