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12 *Attorneys for Defendants*  
13 The Regents of the University of California and  
Michael V. Drake  
14

15 SUPERIOR COURT OF THE STATE OF CALIFORNIA  
16 COUNTY OF ALAMEDA

17 CINDY KIEL, J.D., an Executive Associate  
Vice Chancellor at UC Davis, MCKENNA  
18 HENDRICKS, a UC Santa Barbara student,  
EDGAR DE GRACIA, a UCLA student, and  
19 LELAND VANDERPOEL, an employee at the  
Fresno satellite extension of the UCSF Medical  
20 Education Program, and FRANCES OLSEN,  
Professor of Law at UCLA,

21 Plaintiff,

22 v.

23 THE REGENTS OF THE UNIVERSITY OF  
24 CALIFORNIA, a Corporation, and MICHAEL  
V. DRAKE, in his official capacity as President  
25 of the UNIVERSITY OF CALIFORNIA,

26 Defendants.  
27  
28

*Exempt from Filing Fees:  
Government Code § 6103*

Case No. HG20072843  
Unlimited Civil Jurisdiction

ASSIGNED FOR ALL PURPOSES TO:  
Hon. Richard L. Seabolt  
Department 521

**DECLARATION OF KIRSTEN  
BIBBINS-DOMINGO, PHD, MD, MAS  
IN SUPPORT OF DEFENDANTS'  
OPPOSITION TO PLAINTIFFS'  
MOTION FOR PRELIMINARY  
INJUNCTION**

Date: October 14, 2020  
Time: 01:30 p.m.  
Dept.: 521  
Reservation No.: 2206283

Complaint filed: August 27, 2020  
Trial: None set

1 I, Kirsten Bibbins-Domingo, Ph.D., M.D., M.A.S. declare:

2 1. I provide this declaration in support of Defendants The Regents of the University  
3 of California and Michael V. Drake’s (“Defendants”) Opposition to Plaintiffs’ Motion for  
4 Preliminary Injunction. I base this declaration on my expertise as outlined below and facts within  
5 my personal knowledge, to which I could and would testify competently if called upon to do so.

6 2. I am Professor and Chair of the Department of Epidemiology and Biostatistics and  
7 the Lee Goldman, MD Endowed Professor of Medicine at the University of California, San  
8 Francisco (“UCSF”) School of Medicine. I received my A.B. in Molecular Biology and  
9 International Affairs from Princeton University, and my Ph.D. (Biochemistry), M.D., and M.A.S.  
10 (Clinical Research) from UCSF. I have held a faculty appointment in UCSF School of Medicine  
11 since 2004 and am its inaugural Vice Dean for Population Health and Health Equity. A true and  
12 correct copy of my curriculum vitae is attached as **Exhibit A**.

13 3. As relevant to this case, I am a practicing general internist and have firsthand  
14 experience diagnosing COVID-19 and influenza and advising individuals and institutions on  
15 clinical and public health measures that can prevent each disease. As the chair of the department  
16 of epidemiology and biostatistics, I have consulted for and advised UCSF Health on its approach  
17 to surveillance testing for COVID-19 to keep the campus safe as it begins re-opening. Since the  
18 start of the pandemic, I have chaired the UCSF COVID-19 Community Public Health Initiative  
19 working to support the work of UCSF in partnership with community organizations and the  
20 regional departments of public health to address COVID-19 in the Bay Area. I direct the UC-  
21 wide California COVID Modeling Consortia – a collaboration with the California Department of  
22 Public Health - to use data to guide effective public health policy during the pandemic. I am a  
23 member of the UC-wide Public Health Committee and the UC-wide Testing and Tracing  
24 Committee related to COVID-19.

25 4. I have reviewed the UC President’s Executive Order (“EO”), as originally issued  
26 and as amended, that is the subject of this action, including its flu vaccine mandate that goes into  
27 effect November 1, 2020. A true and correct copy of the EO (original and amended) is attached as  
28 **Exhibit B**. From the public health perspective, I fully support the EO as consistent with public

1 health approaches to protect the UC campuses and surrounding communities during this  
2 pandemic (details outlined below).

3 5. The leadership of the University of California has used several principles to guide  
4 decision-making during the pandemic that are in keeping with the best evidence from public  
5 health practice. As undergraduate and health science campuses that employ and teach a large  
6 population of individuals, the public health goals should be to:

7 I. Protect the health and safety of our staff, faculty, and students;

8 II. Ensure that no actions on the part of the University of California directly or  
9 indirectly have adverse consequences (from the perspective of the pandemic) on  
10 the surrounding communities; and

11 III. For the health science campuses like UCSF, ensure that we maximize our  
12 healthcare capacity (including hospital and ICU beds and available healthcare  
13 personnel) to be able to respond to the healthcare needs of the broader community  
14 with respect to the pandemic.

15 6. For most of the pandemic, we have focused on closing our campuses to in-person  
16 activities (Principle I and II) and ensuring that the essential work, such as healthcare activities,  
17 proceed safely and effectively in order to serve the broader needs of Californians (Principle III).

18 We have developed the strictest protocols to keep healthcare campuses safe from on-campus  
19 transmission by adopting strict monitoring of symptoms for those entering our campuses, testing  
20 and contact tracing on our campuses, and widespread use of masking and physical distancing.

21 We have been remarkably successful in these efforts, as evidenced by extraordinarily low rates of  
22 on-campus transmission SARS-CoV-2, the virus that causes COVID-19 infection, allowing us to  
23 meet the broader healthcare needs of Californians during the pandemic. We have also succeeded  
24 in ensuring that activities on our campuses have helped the broader response from local  
25 departments of public health (and not hindered these efforts) by keeping on-campus transmission  
26 low.

27 7. Because of the success of California in keeping COVID-19 cases controlled, the  
28 UC campuses have cautiously begun re-opening for in-person activities (beyond healthcare

1 activities), still guided by the same overarching principles and the same set of measures that have  
2 been shown to be successful [symptom screening, testing, tracing, masking, distancing]. From a  
3 public health perspective, the period of re-opening is one that must proceed with the utmost  
4 caution, particularly for large college and graduate campuses like the UC campuses. Because the  
5 very act of gathering in larger groups has the potential to increase transmission of COVID-19  
6 infection, all of the existing measures must be maintained and scaled to ensure we are keeping  
7 ahead of the greater risk with more people on campus. And we must identify all additional  
8 measures to adopt in order to maintain the same level of safety.

9 8. The EO of the UC President for universal influenza vaccinations for all those  
10 returning to work on our campuses is consistent with the types of public health practices that  
11 allow the UC campuses to maintain safe environments for their faculty, staff, students, and the  
12 surrounding communities. The EO outlines the benefits to the individual for receiving the  
13 influenza vaccination. I will speak to the additional public health benefits that this policy affords,  
14 in line with the principles that have guided the actions of UC up to this point.

15 a. Protecting the health and safety of staff, faculty, and students. According to the  
16 Centers for Disease Control and Prevention, seasonal influenza generally results in 3%  
17 to 11% of the population having symptomatic disease. In contrast to COVID-19,  
18 influenza is more common in adults 18-65 years of age (approximately 9%) than those  
19 older than 65 (4%). This age group 18-65 is the age cohort of most of our staff,  
20 faculty, and students at UC. While co-morbid conditions increase the likelihood of  
21 complications, healthy people in this younger adult age group can have several  
22 complications (including death) from influenza. Influenza is transmitted person to  
23 person in droplets, much like coronavirus. Experience from other countries (and prior  
24 experience with seasonal influenza) suggests that our current strategies of masking,  
25 distancing, and restrictions on in-person work/school results in lower level of  
26 transmission of influenza. However, we are aiming to re-open our campuses during  
27 the time of seasonal influenza, meaning we must guard against infection that may  
28 occur on our campus because of the resumption of in-person work. The influenza

1 vaccination is a clear and effective strategy to accomplish the twin goals of protecting  
2 individuals and reducing the likelihood of transmission to other individuals that may  
3 occur during the period of return to in-person work. Preventing influenza has the  
4 additional benefit to those who live and work on our campus by ensuring that our  
5 robust COVID-19 protocols can be maintained. Symptom screening is the mainstay in  
6 our COVID-19 protocols. Having these symptom screeners identify potential  
7 influenza as well as potential COVID-19 means diffusing our COVID-19 testing and  
8 tracing resources at a time that we most need to focus on the COVID-19 coronavirus.

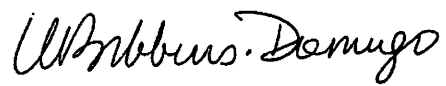
9 b. Ensuring that the actions of UC campuses that re-open do not cause inadvertent  
10 complications for the broader community. Keeping our staff, faculty, and students  
11 free of influenza during a period of re-opening means that we avoid seeding influenza  
12 infections in the broader community where these staff, faculty, and students live and  
13 interact with others. Keeping our protocols to mitigate COVID-19 infection on our  
14 campuses robust enables us to protect the broader community from COVID-19  
15 infections that could be acquired on our campus during re-opening. In protecting our  
16 students, faculty, and staff through the influenza vaccination, we protect the broader  
17 community.

18 c. Ensuring the adequacy of UC healthcare facilities. Healthcare providers have always  
19 had a strong mandate to receive the vaccination for seasonal influenza. The primary  
20 rationale has not necessarily been to ensure the health of the individual worker, but  
21 rather to ensure that influenza is not inadvertently transmitted within healthcare  
22 settings to others, such as patients who may have co-morbidities that portend a poor  
23 outcome from influenza. During the pandemic, the influenza vaccination continues to  
24 serve this purpose, allowing us to keep the patients that we care for safe, while also  
25 ensuring that the workforce is healthy to address any healthcare crises as they arise,  
26 including the continued threat of COVID-19 infection.

27 The original and amended EO balance the important needs of public health during this  
28 unprecedented pandemic, with the individual accommodations that must also be protected. The

1 EO extends exemptions for medical and religious reasons to all members of the campus  
2 community (staff, faculty, and students). Importantly, the EO is limited in applying only to those  
3 who are on the University of California campuses in person. This limitation is entirely consistent  
4 with the broader public health goal of reducing the likelihood that in-person campus activities  
5 themselves may prompt an outbreak of influenza that would adversely impact public health for  
6 our campuses and the surrounding community, and interfere with our ability to provide much  
7 needed healthcare during this time. As of today, our UCSF Chancellor has advised us that UCSF  
8 has extended its work-from-home guidance through June 30, 2021 for employees who can  
9 perform their University duties remotely. By limiting its reach to only those reporting in-person to  
10 the University of California campuses, the EO limits the demands on individuals, except as they  
11 relate to the broader public health principles that the University of California must seek to uphold  
12 during this pandemic.

13 Executed in San Francisco, California, on this 28th day of September 2020.

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18 Kirsten Bibbins-Domingo

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SFACTIVE-905806882.6

# EXHIBIT A

**University of California, San Francisco**  
**CURRICULUM VITAE**

**Name:** Kirsten Bibbins-Domingo, PhD, MD, MAS

**Position:** Professor, Step 4  
Epidemiology & Biostatistics  
School of Medicine

**Address:** Professor of Medicine (Secondary)  
550 16th Street  
University of California, San Francisco  
San Francisco, CA 94158  
Voice: 415-502-4106  
Email: [Kirsten.bibbins-domingo@ucsf.edu](mailto:Kirsten.bibbins-domingo@ucsf.edu)  
Web: <https://profiles.ucsf.edu/kirsten.bibbins-domingo>

**EDUCATION**

1983 - 1987	Princeton University, Princeton NJ	AB	Molecular Biology & Princeton School of Public and International Affairs
1987 - 1989	University of Ibadan, Ibadan, Nigeria		Chemistry
1989 - 1994	University of California, San Francisco, CA	PhD	Biochemistry
1994 - 1999	University of California, San Francisco, CA	MD	Medicine
2002 - 2004	University of California, San Francisco, CA	MAS	Clinical Research

**LICENSES, CERTIFICATION**

2000	Medical Board of California (License Number A74969)
2003	American Board of Internal Medicine (renewed 2014)

**PRINCIPAL POSITIONS HELD**

1999 - 2000	University of California, San Francisco	Intern	Medicine
2000 - 2001	University of California, San Francisco	Resident	Medicine
2001 - 2003	University of California, San Francisco	Fellow	Medicine, General Internal Medicine



Prepared: September 26, 2020

2003 - 2004	University of California, San Francisco	Instructor	Medicine
2004 - 2009	University of California, San Francisco	Assistant Professor	Medicine and Epidemiology and Biostatistics
2009 - 2013	University of California, San Francisco	Associate Professor	Medicine and Epidemiology and Biostatistics
2013 - present	University of California, San Francisco	Professor	Medicine and Epidemiology and Biostatistics

#### **OTHER POSITIONS HELD CONCURRENTLY**

2006 - 2012	University of California, San Francisco	Co-Director - Center for Vulnerable Populations	Medicine
2007 - 2012	University of California, San Francisco	Assoc. Director - K Scholars Program	Clinical and Translational Sciences Institute
2012 - 2012	University of California, San Francisco	Acting Division Chief	Medicine, Division of General Internal Medicine
2012 - 2014	University of California, San Francisco	Director - K Scholars Program	Clinical and Translational Sciences Institute
2012 - 2018	University of California, San Francisco	Director - Center for Vulnerable Populations	Medicine
2013 - 2018	University of California, San Francisco	Director - Clinical and Translational Sciences Training Programs	Clinical and Translational Sciences Institute
2014 - 2016	US Preventive Services Task Force	Vice Chair	
2016 - 2017	US Preventive Services Task Force	Chairperson	
2017 - present	University of California, San Francisco	Vice Dean for Population Health and Health Equity	School of Medicine

2017 - present	University of California, San Francisco	Chair	Department of Epidemiology and Biostatistics
2018 - present	University of California, San Francisco	MPI - Clinical and Translational Sciences Institute	Clinical and Translational Sciences Institute
2020 - present	University of California, San Francisco	Chair	COVID-19 Community Public Health Initiative

**HONORS AND AWARDS**

1987	Princeton Moses Taylor Pyne Prize	
1987	Princeton Squibb Senior Thesis Award	
1987	Rotary Foundation International Fellowship	
1987	Beinecke Memorial Graduate Fellowship Award	
1990	Howard Hughes Predoctoral Fellowship Award	
1998	UCSF Medical School Dean's Research Award	
2002	UCSF Floyd Rector Resident Research Award	
2003	W. H. Kellogg Scholar in Health Disparities	
2004	Robert Wood Johnson Harold Amos Medical Faculty Development Award	
2005	Excellence in Direct Teaching - UCSF Academy of Medical Educators	
2010	American Society for Clinical Investigation - (Inducted Member)	
2012	Lee Goldman, MD Endowed Chair in Medicine	
2014	Mid-career Research Mentorship Award	Society of General Internal Medicine
2015	UCSF 150th Anniversary Alumni Excellence Award	

2015	National Academy of Medicine (Elected Member)	
2017	Association of American Physicians (Elected Member)	
2017	UCSF Chancellor's Award for Public Service	
2017	Ancel Keys Memorial Lecture	American Heart Association
2019	Distinguished Professor of Women and Medicine	Society of General Internal Medicine
2019	Harold S. Luft Award for Mentoring in Health Services and Health Policy Research	Philip R. Lee Institute for Health Policy Studies - UCSF

### **KEYWORDS/AREAS OF INTEREST**

Cardiovascular disease, heart failure, chronic kidney disease, hypertension, health disparities, prevention, epidemiology, young adults, cystatin C, b-type natriuretic peptide, simulation modeling, cost-effectiveness analysis, sodium, salt, diabetes, sugar-sweetened beverages, public health, population health, clinical research, implementation sciences, social determinants of health, health equity

### **CLINICAL ACTIVITIES**

#### **CLINICAL ACTIVITIES SUMMARY**

I currently attend in the general medicine clinic at Zuckerberg San Francisco General Hospital, where I see patients in urgent care and oversee clinical care provided by nurses, nurse practitioners.

#### **CLINICAL SERVICES**

2003 - 2013	General Medicine Clinic - San Francisco General Hospital	1/2 day per week
2004 - 2014	Inpatient Ward Attending - General Medicine Service - San Francisco General Hospital	1-4 weeks per year
2004 - 2014	Inpatient Medicine Consult - San Francisco General Hospital	1-2 weeks per year
2004 - present	General Medicine Clinic precepting - San Francisco General Hospital	1/2 day per week

### **PROFESSIONAL ACTIVITIES**

#### **MEMBERSHIPS**

- 1999 - present Society of General Internal Medicine
- 2001 - present American Heart Association
- 2005 - present American College of Physicians

- 2010 - present American Society for Clinical Investigation
- 2010 - 2015 Association for Clinical Research and Training (ACRT)
- 2016 - present National Academy of Medicine
- 2017 - present Association of American Physicians

**SERVICE TO PROFESSIONAL ORGANIZATIONS**

- 2004 - present Society of General Internal Medicine                      Scientific Abstract Reviewer
- 2006 - present UC Davis (BIRCWH)    External Advisory Board
- 2006 - 2008 American Heart Association (Western)                      Study Section Reviewer
- 2007 - 2007 University of Hawaii Masters in Clinical Research              External Advisory Committee
- 2008 - 2008 UCSF BIRCWH    External Advisory Board
- 2009 - 2009 University of Texas-San Antonio CTSA                      External Advisory Board
- 2010 - 2016 K to R transition - Association for Clinical Research and Training      Committee member
- 2010 - present CARDIA Renal Working Group                                      Co-Chair
- 2018 - 2019 National Academy of Science, Engineering, and Medicine Consensus Committee - Integrating Social Needs Care into Health Care Delivery to Improve the Health of the Nation      Chair
- 2018 - present American Heart Association 2030 Strategic Goals Committee                                      member
- 2019 - present Annals of Internal Medicine Editorial Board                      member

**SERVICE TO PROFESSIONAL PUBLICATIONS**

- 2003 - present JAMA, JAMA Internal Medicine, Journal of the American Medical Association, Annals of Internal Medicine, New England Journal of Medicine

**INVITED PRESENTATIONS - INTERNATIONAL**

- 2010 National Institute of Public Health Mexico, September 2010 - Cuernavaca, Mexico              Presenter
- 2010 Championing Public Health Nutrition, October 2010 - Ottawa, Canada                                      Presenter

2010	Kidney Disease Improving Global Outcomes (KDIGO), October 2010 - London, England	Presenter
2011	National Institute of Public Health Mexico and Pan American Health Organization (PAHO), March 2011 - Cuernavaca, Mexico	Presenter
2012	Introduction to Designing Clinical Research - King's College, London, September 2012 - London, England	Course Lecturer
2013	Trends in Cardiovascular Disease and Stroke and Implications for Prevention in the US and China- Peking Union Medical College,	Course Lecturer
2013	Designing Clinical Research- Genentech/Roche, Beijing, January 2013- Beijing, China	Course Lecturer
2014	Developing an evidence base for health policy - Cardiovascular Disease and Diabetes. 1 week course - INSP (National Institute for Public Health) - Cuernavaca, Mexico	Course Leader and Lecturer
2015	Hypertension clinical and public health policies - The George Institute, Sydney Australia	Presenter
2016	Strategic Science for Public Policy - the case of sugar and salt regulation in US and CVD modeling -1 week course - INSP (National Institute for Public Health) - Cuernavaca, Mexico Guideline International (GIN) North America Webinar - the US Preventive Services Task Force approach to guidelines for diverse US populations	Course Leader and Lecturer Presenter
2017	Guideline International (GIN) North America Webinar - the US Preventive Services Task Force approach to guidelines for diverse US populations	Presenter
2017	Ancel Keys Memorial Lecture - Council on Epidemiology and Prevention - American Heart Association Annual Meeting	Invited Lecture

**INVITED PRESENTATIONS - NATIONAL**

2003	Society of General Internal Medicine; 2003 (Plenary Scientific Session)
2004	American Heart Association Epidemiology Council; 2004 (Stamler Awards Session)
2005	American College of Physicians; 2005 (Meet the Professor)
2006	Joint Commission on Accreditation of Healthcare Organizations; 2006 (Special Session)

- 2006 American Heart Association Scientific Sessions; 2006 (Oral Abstract)
- 2007 National Academies of Sciences; 2007 (Science for Judges)
- 2007 National Institute of Diabetes, Digestive, and Kidney Disease; 2007 (Chronic Kidney Disease Forum)
- 2008 Society of General Internal Medicine; 2008 (Special Symposium on ethnically targeted therapies)
- 2010 Center for Disease Control and Prevention; 2010 (Sodium Workshop)
- 2010 Heart Failure Society of America Annual Meeting; 2010 (Public Health and Prevention)
- 2011 Spring Clinical Meeting - National Kidney Foundation; 2011 (Don't Pass the Salt)
- 2011 Association for Clinical Research and Training (ACRT) Annual Meeting; 2011 (Training in Health Disparities)
- 2011 Pediatric Academic Societies Annual Meeting; 2011 (Sodium and hypertension)
- 2012 National Institute on Minority Health and Disparities; 2012 (disparities in young adults)
- 2014 National Institute of Neurological Diseases and Stroke, IDEAS - 2013 (modeling to evaluate programs addressing disparities)
- 2016 American College of Obstetrics and Gynecology Consensus Conference on Breast Cancer Screening
- 2016 National Comprehensive Cancer Network - Controversies in Breast Cancer Screening
- 2016 The Disparities Solutions Center - Social Determinants of Health in the Electronic Medical Record
- 2016 Centers for Disease Control and Prevention - Cancer prevention in young adults
- 2016 Precision Public Health Summit - First 1000 Days of Life
- 2016 Health Resources and Services Administration (HRSA) Webinar - Health Disparities and Young Adults
- 2016 Prostate Health Education Network - Disparities Summit - the US Preventive Services Task Force and Prostate Cancer

2016	National Cancer Institute Webinar - Precision Medicine and Population Health	
2016	American Heart Association Annual Meeting - Training the Next Generation in Implementation Sciences	
2017	National Business Group on Health - the US Preventive Services Task Force and recent recommendations	
2017	Society of General Internal Medicine - Update on the US Preventive Services Task Force	
2017	The American Physician Scientist Association "Building a Career as a Physician Scientist"	Keynote Speaker
2017	Digestive Diseases Week - the USPSTF recommendation on colorectal cancer screening	
2017	Institute for Healthcare Improvement/National Patient Safety Forum (IHI/NPSF) 10th Annual Lucian Leape Institute Forum and Keynote Dinner "Addressing Health Equity in Patient Quality and Safety"	Keynote Speaker
2018	National Kidney Foundation - Blood pressure control and precision population health	
2018	American Thoracic Society - Annual Diversity Forum	Keynote Speaker
2018	American Association of Medical Colleges Annual Meeting - Precision Population Health	Invited Speaker
2018	Rockefeller Foundation - Precision Public Health	Invited Speaker
2018	Hospital Quality Institute - Quality, Safety, and Health Equity	Invited Speaker
2018	American Public Health Association Annual Meeting - Implementation Science Research for Health Equity	Invited Speaker
2019	Social Intervention Research and Evaluation Network (SIREN) - The State of the Science - Integrating Social Care and Healthcare	Keynote Speaker
2019	NIH Great Teacher - NIH Clinical Research Center Grand Rounds - Cardiovascular Disease, Health Disparities, and the Health of Young Adults	Invited Speaker
2019	NIH Implementation Research for Health Equity Webinar Series	Invited Speaker
2019	Society of General Internal Medicine (SGIM) Annual Meeting - Distinguished Professor of Women and Medicine	Invited Speaker
2019	Society for Epidemiologic Research (SER) Annual Meeting □Future of Epidemiology: Emerging Trends and Perspectives□	Invited Speaker

2019	NIH P2P Workshop: Achieving Health Equity in Preventive Services	Panel Session
2019	ASPEN Ideas: Health 2019 - "From Lifespan to Healthspan"	Panel Session
2019	University of Indiana, Scientific Conference for URM Rising Stars - "Building a career in science and public health"	Invited Speaker
2019	NIH - NHLBI workshop Coronary Artery Imaging: State of the Evidence for Primary Prevention	Invited Speaker
2019	Medical College of Wisconsin - Precision Population Health and Prevention of Cardiovascular Disease	Keynote Speaker
2019	Grantmakers in Aging Conference - Integrating Social Care into the Delivery of Health Care: the report from the National Academies of Science, Engineering, and Medicine	Invited Speaker
2019	National Academies Annual Meeting / RWJF Health Policy's Fellows Retreat	Panel Session
2019	Familial Hypercholesterolemia Foundation Global Summit - Perspectives from the US Preventive Services Task Force	Invited Speaker
2019	Center for Disease Control (CDC) - "Seeking More Precision in Public Health"	Invited Speaker
2019	American Public Health Association Annual Meeting - "Past Presidential Session: Moving the Needle on Interprofessional Education: For Science, For Action, For Health"	Panel Session
2019	American Public Health Association Annual Meeting - "Integrating Social Care into the Delivery of Health Care: a report from the National Academies of Science, Engineering, and Medicine"	Invited Speaker
2020	National Alliance to Impact the Social Determinants of Health Full Alliance Meeting - "Integrating Social Care into the Delivery of Health care"	Invited Speaker
2020	American Physician Scientists Association - "How to Support and Retain Early Career Physician-Scientists: Responses/Insights on the Impact of COVID-19"	Invited Speaker
2020	Society of General Internal Medicine Annual Meeting - "Integrating Social Care into the Delivery of Health care"	Keynote Speaker
2020	Aspen Health For All Webinar - "Building a Culture of Collaboration to Tackle COVID-19 Disparities"	Invited Panelist



2020 ABIM Foundation Forum: Advancing medical professionalism to improve health care - "Building Trust and Health Equity During COVID-19" Invited Presenter

**INVITED PRESENTATIONS - REGIONAL AND OTHER INVITED PRESENTATIONS**

2004 UCSF Department of Epidemiology and Biostatistics  
Departmental Seminar

2004 11TH UCSF Annual Women's Health 2020 Conference

2004 UCSF - San Francisco VAMC

2005 UCSF -San Francisco General Hospital Primary Care  
Grand Rounds

2006 University of Alabama - Department of Preventive  
Medicine

2006 UCSF - Advances in Internal Medicine CME course

2006 American College of Cardiology - California Chapter

2007 UCSF Department of Epidemiology and Biostatistics

2007 Stanford Center for Health Policy/Center for Primary Care  
and Outcomes Research

2007 University of Hawaii School of Medicine

2007 University of Alabama - Department of Preventive  
Medicine

2007 UCSF Medicine Grand Rounds

2007 UCSF - San Francisco VAMC Medicine Grand Rounds

2008 UCSF - San Francisco General Medicine Grand Rounds

2008 UCSF-San Francisco General Hospital Pediatric Grand  
Rounds

2008 UCSF Department of Epidemiology and Biostatistics  
Departmental Seminar

2008 University of Alabama - Department of Preventive  
Medicine

2009 University of Texas-San Antonio Medicine Research  
Lecture

2009 University of Texas-San Antonio Visiting Professorship

2010 UCSF Department of Epidemiology and Biostatistics  
Departmental Seminar

2010 UCSF Medicine Grand Rounds

2010 UCSF- San Francisco General Hospital Medicine Grand Rounds

2010 UC San Diego, Department of Medicine Grand Rounds

2010 UC San Diego, Division of General Internal Medicine Rounds

2010 UCSF- San Francisco General Hospital Medicine Grand Rounds

2010 UCSF- Advances in Internal Medicine CME Course

2010 UCSF - San Francisco VAMC Medicine Grand Rounds

2011 UCSF - Advances in Internal Medicine CME Course

2011 Cedar Sinai - Hypertension Grand Rounds

2012 National Kidney Foundation Regional Medical Symposium

2012 UCSF- San Francisco General Hospital Medicine Grand Rounds

2013 Alameda County Highland Hospital - Medicine Grand Rounds

2013 University of California, San Diego - Medicine Grand Rounds

2013 University of California, San Diego - General Internal Medicine Rounds

2013 University of California, Berkeley- Student Health Rounds

2013 UCSF- San Francisco General Hospital Grand Rounds

2013 UCSF- Advances in Internal Medicine CME Course

2013 UCSF - Updates in Women's Health CME Course

2013 Yale School of Medicine - Medicine Grand Rounds

2013 Yale School of Medicine - General Internal Medicine Grand Rounds

2014 Northwestern School of Medicine - Cardiology Grand Rounds

2014 Highland Hospital, Medicine Grand Rounds

2014 San Francisco General Hospital Dean's Seminar

2015 Cedar Sinai - Hypertension Grand Rounds

2015 San Francisco State University Biology Seminar

2015 UCSF Center for AIDS Prevention Studies Seminar

2015	UCSF Medical Effectiveness Research in diverse communities (MERC)	
2015	UCSF Alumni Day Presentation	
2015	New England Comparative Effectiveness Public Affairs Council	
2016	HRSA Region 9, Minority Millennials Conference	
2016	UCSF School of Nursing, Cancer Prevention Course	
2016	UCSF CME - Medical Care of Vulnerable and Underserved Adults	
2016	Group Health Research Institute - Health Disparities and the Health of Young Adults	
2016	Group Health Foundation - Health, Health Equity, and Investing in Youth and Young Adults	
2016	Dartmouth-Hitchcock General Medicine Rounds - Updates and Controversies from the US Preventive Services Task Force	
2016	Dartmouth - Hitchcock Medicine Grand Rounds - Health and Disparities in Young Adults	
2017	Medical Grand Rounds Zuckerberg San Francisco General Hospital - The Center for Vulnerable Populations Turns 10 - Shedding Light on Vulnerability, Supporting Innate Resiliency	
2017	The Center for Vulnerable Populations 10 Anniversary Symposium - Health Policy Research on Vulnerable Populations - Looking for Truth in a Post Truth World	
2017	The University of Arizona School of Medicine Grand Rounds - Framework for Research in Health Disparities	
2017	UCSF CME - Care of Vulnerable and Underserved Populations - How the US Preventive Services Task Force Develops Recommendations for Diverse Communities	
2017	ProstateZero - The US Preventive Services Task Force - Who we are, What we do, and Our process for updating our recommendation statement	
2017	Columbia College of Physicians and Surgeons - Dewitt Goodman Lecture "Population Cardiovascular Disease Prevention in the Era of Precision Medicine"	Invited Lecture
2018	Weill Cornell Medical College - Atkins Lecture "Population Cardiovascular Disease Prevention in the Era of Precision Medicine"	Invited Lecture

2018	UCSF Institute of Global Health - New Entrepreneurs Panel - Addressing Global Non-Communicable Diseases	
2018	UCSF Global Brain Health Symposium - The Global Burden of Hypertensive Diseases	
2018	UCSF Global Health Economics Colloquium - "The Case for Addressing the Health of Vulnerable Populations at Home and Abroad"	Keynote Lecture
2018	Johns Hopkins Department of Medicine - Myron L. Weisfeldt Distinguished Visiting Professor in Diversity	Invited Professorship
2018	UC Berkeley Student Health - "Hypertension in Young Adults"	
2018	Duke Department of Medicine - Joseph C. Greenfield MD, Medicine Grand Rounds	Invited Lecture
2018	California Governor's Precision Medicine Advisory Committee - □Precision Population Health□	Invited Presentation
2018	University of California - CREDITS retreat - Diversifying the Scientific Workforce through Institutional Collaboration - SF BUILD	Invited Presentation
2018	UC Berkeley Student Health - "Lipid Management in Young Adults"	Invited Presentation
2019	Partners Quality and Safety Symposium - "A Health Equity Lens on Patient Quality and Safety"	Keynote Lecture
2019	UCSF Patient Safety Week - "A Health Equity Lens on Patient Quality and Safety"	Grand Rounds
2019	Residency Diversity Committee - "A Health Equity Lens on Patient Quality and Safety"	Invited Presentation
2019	UC Berkeley Undergraduate Epidemiology Course - "Strategic Science"	Invited Presentation
2019	UCSF- UC Berkeley Joint Symposium on Population Health and Data Science	Opening Keynote
2019	UC Berkeley Cancer Epidemiology - "The US Preventive Services Task Force Process and Cancer Screening"	Invited Presentation
2019	Stanford Big Data in Precision Health conference - □Four reflections on social determinants and big data□	Invited Presentation
2019	CHORI Summer Student Research Program - □Health Disparities and the Health of Young Adults□	Opening Keynote
2019	UCSF Mentor Training Program - □Mentoring across differences□	Invited Presentation

2019	UCSF Lead Program Panel - □Building a career in academic medicine□	Panel Session
2019	UCSF CIC1: Introduction to Precision Medicine Lecture	Invited Lecture
2019	UCSF Designing Clinical Research 1 month - "Observational Study Designs"	Invited Lecture
2019	UCSF Designing Clinical Research - "Observational Study Designs"	Invited Lecture
2019	UCSF Twitter Workshop for Faculty - □An introvert□s perspective on Twitter in academic medicine□	Invited Presentation
2019	UCSF Medical School High-Value Cancer Screening Panel	Panel Session
2019	UCSF Intern Immersion: Inside the US Preventive Services Task Force	Invited Presentation
2019	UCSF Housing - □Strategic science and my journey at UCSF□	Invited Presentation
2019	UCSF Second Annual Colloquium on Population Health & Health Equity: Immigrant Health	Opening
2019	San Francisco Veterans Affairs (SFVA) - "Health equity in healthcare delivery: how are we doing and what needs to be done"	Grand Rounds
2019	UCSF Data Colloquium - □Data Science for Population Health□	Opening Keynote
2019	UCSF Finance and Administration - □Population Health and Health Equity at UCSF□	Opening Keynote
2020	UCSF SOM Leadership Retreat: UCSF in the Digital Era - "It□s Possible Today: Solving Urgent Problems with Digital Tools"	Invited Panelist
2020	UCSF Women in Leadership Development Symposium - "Mentorship panel"	Invited Panelist
2020	UCSF Mentoring Month - "Warming the Climate at UCSF"	Invited Panelist
2020	Princeton Alumni Corps P55 Fellowship - "Navigating a Career for the Public Good"	Invited Panelist
2020	CTST K Scholars Works in Progress - "Thoughts on Academic Advancement"	Invited Lecture
2020	UCSF Precision Medicine Committee - "Precision Medicine and Population Health and Health Equity"	Invited Presentation
2020	UCSF International Women's Day - "Women Who Lead"	Invited Panelist
2020	UCSF Epidemiology Course 222 - "Strategic Science"	Invited Lecture

2020	UCSF Designing Clinical Research - "Observational Study Designs"	Invited Lecture
2020	UCSF The Consortium for Detecting Cognitive Impairment, Including Dementia - "Identifying cognitive impairment in primary care and the US Preventive Services Task Force"	Keynote Lecture
2020	UCSF Bridges Health and Society - "Health disparities and health equity for physicians"	Invited Lecture
2020	UCSF Department of Medicine Grand Rounds - "Disparities in COVID-19"	Invited Presentation
2020	UCSF Helen Diller Family Comprehensive Cancer Center Office of Community Engagement - "Disparities in COVID-19"	Invited Presentation
2020	UCSF Health and Campus COVID-19 Town Hall - "Health Equity"	Invited Panelist
2020	UCSF Department of Surgery Grand Rounds - "Disparities in COVID-19"	Invited Presentation
2020	UCSF MC Emergency Management - "Guidance for parks as an essential service during a pandemic"	Invited Panelist
2020	UCSF Institute for Global Health Sciences - COVID-19 Webinar - "Disparities in COVID-19"	Invited Panelist
2020	UCSF Black Staff & Faculty Organization, University of California, Office of the President - "Disparities in COVID-19"	Invited Presentation
2020	Salesforce - "Talking Equality: Addressing COVID-19 Impact on Communities of Color"	Invited Panelist
2020	Duke University □ "Disparities in COVID-19"	Invited Presentation
2020	Princeton University - "What COVID-19 is teaching health professionals and researchers"	Invited Panelist
2020	UCSF Breast Care Center Internship - "Career in Medicine and COVID-19"	Invited Presentation
2020	The Exploratorium - "COVID Conversations"	Invited Presentation
2020	UCSF University Development and Alumni Relations - "Disparities in COVID-19"	Invited Panelist
2020	SF BUILD Research Collaboratory - "Disparities in COVID-19"	Invited Presentation
2020	91.7 KALW City Visions - "COVID-19 - Addressing racial health disparities"	Invited Panelist

2020	San Francisco United Democratic Club - "How Community Factors Impact Public Health in San Francisco"	Invited Panelist
2020	Heising-Simons Foundation	Invited Presentation
2020	Deloitte Drivers of Health Practice	Invited Presentation
2020	Institute for Pure and Applied Mathematics - "Modeling Policy"	Invited Panelist
2020	UCSF Clinical Microsystems Clerkship - "Health Disparities and Health System Improvement"	Invited Lecture
2020	UC Berkeley - University Health Center - "Health disparities and health equity for physicians"	Invited Lecture
2020	UCSF Media Briefing - "COVID-19 and low wage essential workers"	Invited Presentation
2020	UCSF Pre-Health Undergraduate Program - "Disparities in COVID-19"	Invited Presentation

**GOVERNMENT AND OTHER PROFESSIONAL SERVICE**

2006 - 2007	Institute of Medicine	Committee Member
2007 - 2007	Agency for Health Research and Quality	Study Section Reviewer
2009 - 2010	Institute of Medicine	Committee Member
2010 - present	US Preventive Services Task Force	Member, Chair of the Methods Working Group, Chair of Population Sub- groups Working Group
2010 - 2010	NIH - Health Services Organization and Delivery	Study Section Reviewer
2011 - 2012	Institute of Medicine	Committee Member
2011 - 2015	Pan American Health Organization	Scientific Consultant and co-Chair Economic Sub- committee
2012 - 2012	NIH- Cardiovascular and Sleep Epidemiology	Study Section Reviewer

2012 - 2013	Institute of Medicine	Committee Member
2013 - 2013	NIH - NHLBI - Special Emphasis Panel - Pregnancy and Cardiovascular Disease	Study Section Chair
2013 - 2013	NIH - NHLBI - Special Emphasis Panel - Ancillary Studies to Existing NIH-funded cohort studies	Study Section Reviewer
2014 - 2014	Institute of Medicine	Committee Member
2014 - 2016	US Preventive Service Task Force	Vice Chair
2016 - 2016	NIH Special Emphasis Panel - Precision Medicine	Member
2016 - 2016	NIH - NIMHD - Science Vision Workshop	Member
2015 - present	NIH Cancer, Heart, and Sleep Epidemiology study section	Member
2016 - 2017	US Preventive Services Task Force	Chair
2017 - present	US Preventive Services Task Force	Consultant as Immediate Past Chair
2017 - 2017	NHLBI - Training in Implementation Science for Health Equity Workshop	Speaker
2017 - 2017	NHLBI - Cardiovascular Health of Young Adults Workshop	Chair
2017 - present	NIH - CSR Study Section (Cancer, Heart, and Sleep Epidemiology - CHSA)	member
2018 - 2018	NHLBI - Short Term Training Opportunities Workshop	Co-Chair
2019 - 2019	NHLBI - Coronary Artery Calcium Testing Workshop	member
2018 - present	National Academy of Science, Engineering, and Medicine Consensus Committee on Integrating Social Needs Care and Healthcare	Chair

## UNIVERSITY AND PUBLIC SERVICE

### SERVICE ACTIVITIES SUMMARY

Over the past five years, my university service has included chairing a stewardship review committee for a UCSF dean and participating as a member of the search committee for the Dean of the School of Medicine, the Chair of the Department of Medicine, and the Dean of the UC Berkeley School of Public Health. I have provided service to governmental organizations, including serving on numerous Institute of Medicine/National Academy of Medicine/National Academies of Science, Engineering, and Medicine committees. I recently completed service as chair a consensus committee for the National Academy of Science, Engineering, and Medicine on integrating social needs care into healthcare. I was a member of the US Preventive Services Task Force - an independent organization that sets national guidelines for clinical preventive services - from 2010-2017. I have served as the vice chair from 2014-16 and



chair from 2016-2017. I have provided public service through my work with the Zuckerberg San Francisco General Hospital Foundation Board and the Lawrence Hall of Science Advisory Council. I have also delivered public presentations on the health effects of high levels of salt and sugar in the diet, and evidence based prevention practice.

**UNIVERSITY SERVICE  
UC SYSTEM AND MULTI-CAMPUS SERVICE**

2018 - 2019	UC Berkeley School of Public Health Search Committee for Dean	member
2020 - present	UC Public Health Task Force	member
2020 - present	UC Coronavirus Testing and Contact Tracing Task Force	member

**UCSF CAMPUSWIDE**

2008 - 2010	Chancellor's Council on Faculty Life	
2010 - 2010	Lifetime Mentoring Award Selection Committee	
2010 - 2012	Clinical Research Infrastructure Task Force	
2011 - 2012	Research Allocation Program Review Committee	
2011 - 2013	UCSF Diversity Advisory Committee	
2014 - 2014	Search Committee - Dean School of Medicine	
2015 - 2016	Stewardship Review Committee	Chair
2018 - 2018	UCSF Homelessness Working Group	
2019 - present	Stewardship Review Committee	member
2020 - present	UCSF COVID Community Public Health Initiative	Lead

**SCHOOL OF MEDICINE**

2008 - 2008	Selection Committee, SFGH Psychiatry Chief	
2010 - 2010	LCME Accreditation Self-Study Subcommittee on Institutional Setting	
2015 - 2016	Search Committee - Chair Department of Medicine	
2017 - 2018	SOM Strategic Planning Steering Committee	
2018 - present	SOM Space Committee	
2018 - present	SOM Finance Committee	
2018 - present	SOM Strategic Plan Implementation	Executive Sponsor: Clinical, Translational, Population
2019 - present	SOM Search Committee, Director, Philip R. Lee Institute for Health Policy Studies	member

**DEPARTMENTAL SERVICE**

2001 - 2009	Residency Selection Committee - SFGH Primary Care Program (Medicine)	member
2004 - 2004	Cardiology Professorship Search Committee (Medicine)	member
2006 - 2007	Search Committee - SFGH Cardiology Chief (Medicine)	member
2010 - 2011	Strategic Planning Recruitment and Retention Committee (Medicine)	member
2010 - 2012	San Francisco General Hospital Nutrition Subcommittee (Medicine)	Chair
2011 - 2011	Selection Committee, Associate Chair for Research (Medicine)	member
2011 - present	Department of Medicine Research Council (Medicine)	member
2013 - 2014	Division of Pulmonary - Faculty Selection Committee (Medicine)	member
2013 - present	Training in Clinical Research Advisory Committee (Epidemiology and Biostatistics)	member
2014 - 2015	Search Committee - Division of Cardiology - SFVAMC (Medicine)	member
2014 - 2017	Promotions Committee (Medicine)	member
2015 - present	PhD Advisory Committee (Epidemiology and Biostatistics)	member

**SERVICE AT OTHER UNIVERSITIES**

2011 - present	UC Davis BIRCIWH Advisory Committee	UC Davis, Sacramento
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**COMMUNITY AND PUBLIC SERVICE**

2004 - 2010	San Francisco Day School Board of Trustees	Chair- Trustee Committee
2007 - 2019	San Francisco General Hospital Foundation Board of Directors	member
2008 - 2008	UC Berkeley Student Health Department	presentation
2009 - 2009	California Department of Public Health - Diabetes Summit	presentation
2010 - 2010	American Heart Association San Francisco Board	presentation
2010 - 2010	Alta Bates Ethnic Health Institute	presentation
2010 - 2010	Feature for "ReachMD"	presentation
2010 - 2010	Healings in Motion, Inc- San Joaquin County	presentation

2010 - 2010	UCSF- Academic Business Officers' Group- Science for the Rest of Us	presentation
2011 - 2011	UCSF Today - Salt in our Food and Sugar in our Drinks	presentation
2012 - 2012	The Network for a Healthy California	presentation
2012 - 2012	Shape Up California	presentation
2012 - 2012	Alameda County Department of Public Health	presentation
2013 - 2013	Shape Up California	presentation
2014 - 2014	SF Board of Supervisors	presentation
2015 - 2017	Lawrence Hall of Science Advisory Council	council member
2018 - present	Princeton University Board of Trustees	trustee

## CONTRIBUTIONS TO DIVERSITY

### CONTRIBUTIONS TO DIVERSITY

Diversity is a cornerstone of all of my activities in teaching, mentoring, and university service, clinical care, improving access to educational opportunities, and research. In teaching, mentoring and university service, I have mentored many under-represented minority fellows and junior faculty and have sponsored 2 fellows for diversity supplements from the NIH. I am the MPI of a grant from the NIH - NHLBI providing training and mentoring to under-represented minority junior faculty from around the country. I have organized a course on health disparities and social determinants of health in the Department of Epidemiology and Biostatistics. My clinical care is in the general medicine clinic at Zuckerberg San Francisco General Hospital where I care for race/ethnically diverse and low income patients. I am the MPI of an NIH grant with San Francisco State University to increase opportunities for race/ethnically diverse undergraduates in science and have initiated and continue to help oversee a summer program for under-represented minority undergraduates in the Clinical and Translational Sciences Institute. I co-founded the UCSF Center for Vulnerable Populations (CVP) - a research center focused on improving health and healthcare to vulnerable populations. At CVP we received an award from the NIH (that I help lead) to increase participation of sexual and gender minority populations in the All of Us National Cohort. My own research focuses in part on cardiovascular disease disparities among poor and minority populations.

## TEACHING AND MENTORING

### TEACHING SUMMARY

I am engaged in both formal and informal teaching directed at medical students, residents, fellows, and junior faculty. I direct the training programs of the Clinical and Translational Sciences Institute that provides didactic training in clinical and translational science methodologies for many levels of trainees. I helped develop the Prehealth Undergraduate Program, a summer program for undergraduates that provides an introduction to clinical and translational research.

I have helped develop and direct a new course on social determinants of health and health disparities that is now taught as a short course for general researchers and a more in-depth course for those interested in conducting disparities research. I have also developed a 12 hour

seminar discussion course for first year medical students on the topic of the role of precision medicine in addressing disparities.

I have been a faculty member in the CTSI K Scholars Program, a career development program for junior faculty, and in a new quarterly career development program for the UCSF School of Medicine Watson Scholars (junior faculty under-represented in medicine). I have a K24 mid-career mentoring grant from the NIDDK and have mentored over 20 fellows and junior faculty engaged in research. I also teach residents and medical students in my capacity as an attending physician in the general medicine clinic. I am the MPI and faculty of a NHLBI-funded training program that includes a summer course in implementation science for under-represented minority faculty from around the country.

### FORMAL TEACHING

	Academic Yr	Course No. & Title	Teaching Contribution	School	Class Size
	2005 - 2008	EPI 150.03 - Designing Clinical Research for students and residents	Course co- director and lecturer; one 1 hour lecture, eight 2 hr small group sessions	Grad	30-70
	2008 - 2009	EPI 230 - Advanced Training in Clinical Research Seminar	Section leader; 8 two hour sessions per quarter	Grad	12
	2009 - 2010	EPI 220 - Masters I Seminar	Section leader; 8 two hour sessions per quarter	Grad	12
	2009 - 2011	EPI 150.03 - Designing Clinical Research for students and residents	Course director and lecturer; one 1 hour lecture, eight 2 hr small group sessions	Grad	100-130
	2010 - 2013	EPI 220 - Masters I Seminar	Course director; 8 two hour sessions per quarter	Grad	12
	2014 - 2016	Summer Course in Designing Nutrition and Obesity Research and Communicating to Policy-Makers - National Institute of Public Health, Cuernavaca Mexico	Course Co-Director		20
	2015 - present	Summer Institute in Implementation Sciences	Course Co-Director		10
	2015 - present	EPI 222 - Health Disparities Research Methods	Course Co- Director; 10 2 hour sessions per quarter	Grad	20

	Academic Yr	Course No. & Title	Teaching Contribution	School	Class Size
	2017 - 2018	Can Precision Medicine Address Health Disparities?	Course Director - 12 hour seminar/discussion section	Medicine	12

### INFORMAL TEACHING

2003 - present Clinical attending on inpatient consult service and outpatient general medicine practice - variable, currently 1/2 day per week

2007 - 2019 K Scholars program-6 hours monthly

### MENTORING SUMMARY

I have devoted considerable attention to mentoring fellows and junior faculty in clinical research. I pride myself particularly in mentoring trainees from across a range of disciplines, including cardiology, nephrology, obstetrics and gynecology, health services research, epidemiology, and nursing. I was a faculty member, mentor, and leader of several training programs within the CTSI focused on mentorship and faculty development. I helped develop our K Scholars Program that provides career development, skill development, and mentorship to over 50 junior faculty with K awards each year. I currently have a K24 mid-career mentoring grant from the NIDDK and have mentored over 20 fellows and junior faculty from across multiple disciplines, medical sub-specialties, and departments. I am also the MPI of an NHLBI-funded program to provide mentorship and training to under-represented minority junior faculty from around the country conducting implementation science research in fields of interest to the NHLBI.

### PREDOCTORAL STUDENTS SUPERVISED OR MENTORED

Dates	Name	Program or School	Mentor Type	Role	Current Position
2015 - 2017	Joi Lee	San Francisco State University - SF BUILD	Co-Mentor/Clinical Mentor	Research co-Mentor	Research Assistant
2018 - present	Michelle Devost	PhD Program in Epidemiology and Translational Sciences	Research/Scholarly Mentor, Project Mentor	Research Mentor	PhD student
2019 - present	Azuka Atum	San Francisco State University - SF BUILD		Research Mentor	Research Analyst

**POSTDOCTORAL FELLOWS AND RESIDENTS MENTORED**

Dates	Name	Fellow	Mentor Role	Faculty Role	Current Position
2005 - 2007	Andy Choi	Masters	Research/Scholarly Mentor, Project Mentor		Deceased
2006 - 2008	Stacey Jolly	Gen. Medicine	Project Mentor		Assistant Professor (Case Western)
2006 - 2008	Christine Dehlendorf	Masters	Project Mentor		Associate Professor (UCSF)
2006 - 2008	Emily Wang	Gen. Medicine	Research/Scholarly Mentor, Project Mentor, Career Mentor		Associate Professor (Yale)
2007 - 2009	Vanessa Grubbs	Nephrology	Research/Scholarly Mentor, Project Mentor, Career Mentor		Associate Professor (UCSF)
2008 - 2010	Elena Flowers	Nursing	Research/Scholarly Mentor		Assistant Professor (UCSF)
2008 - 2010	Grace Shih	FCM	Project Mentor		Assistant Professor (UCSF)
2008 - 2011	Erica Wang	OB-GYN	Project Mentor		Assistant Professor (Cedar Sinai)
2008 - 2011	Jennifer Ho	Cardiology	Project Mentor		Assistant Professor (Mass General)
2008 - 2009	Eveline Oestreich	Cardiology	Project Mentor		Assistant Professor (UCSF)

Dates	Name	Fellow	Mentor Role	Faculty Role	Current Position
2008 - 2011	Melissa Burroughs	Resident	Project Mentor		Assistant Professor (UCSF)
2009 - 2016	Michelle Odden	General Medicine	Research/Scholarly Mentor, Project Mentor, Career Mentor		Assistant Professor (Oregon State University)
2009 - 2011	Ivy Ku	Cardiology	Project Mentor		Kaiser Cardiology
2010 - 2011	Jenevieve Gularte	Nursing	Co-Mentor/Clinical Mentor		PhD Nursing (UCSF)
2010 - 2011	Delphine Tuot	Nephrology	Research/Scholarly Mentor, Project Mentor		Associate Professor (UCSF)
2010 - 2011	Maya Vijayaraghavan	Gen. Medicine	Project Mentor		Assistant Professor (UCSF)
2011 - 2015	Valy Fontil	Gen. Medicine	Research/Scholarly Mentor, Project Mentor, Career Mentor, Co-Mentor/Clinical Mentor		Assistant Professor (UCSF)
2011 - 2012	Reto Auer	Masters in Clinical Research	Project Mentor		Fellow (UCSF/Swiss National Science Foundation)
2012 - 2016	David Heller	Gen. Medicine	Research/Scholarly Mentor, Project Mentor		Assistant Professor Mt. Sinai

Dates	Name	Fellow	Mentor Role	Faculty Role	Current Position
2014 - 2016	Mitchell Lunn	Nephrology	Research/Scholarly Mentor, Project Mentor, Career Mentor		Assistant Professor (UCSF)
2014 - 2017	Juno Obedin-Maliver	OB-Gyn	Research/Scholarly Mentor, Project Mentor, Career Mentor		Assistant Professor (UCSF)
2016 - present	Jason Nagata	Adolescent Medicine	Research/Scholarly Mentor, Project Mentor		Assistant Professor (UCSF)
2018 - 2019	Timothy Anderson	Geriatrics	Project Mentor		Assistant Professor (Beth Israel)
2018 - present	Susan Hennessy	Epidemiology	Research/Scholarly Mentor, Project Mentor, Career Mentor		Postdoctoral Fellow
2019 - present	Joseph Engeda	Epidemiology	Research/Scholarly Mentor, Project Mentor, Career Mentor		Postdoctoral Fellow

**FACULTY MENTORING**

Dates	Name	Position while Mentored	Mentor Type	Mentoring Role	Current Position
2007 - 2011	Kristine Madsen (Pediatrics)	CTSI K Scholar	Career Mentor		Associate Professor (Berkeley)
2007 - 2011	Carmen Peralta (Nephrology)	CTSI K Scholar	Research/Scholarly Mentor, Project Mentor, Career Mentor, Co- Mentor/Clinical Mentor		Associate Professor (UCSF)



Dates	Name	Position while Mentored	Mentor Type	Mentoring Role	Current Position
2008 - 2010	Julie Schmittziel (Health Services Research)	CTSI K Scholar	Project Mentor		Research Scientist Kaiser
2008 - 2011	Hilary Seligman (General Medicine)	Assistant Professor	Research/Scholarly Mentor, Project Mentor		Assistant Professor (UCSF)
2009 - 2010	Andrew Choi (Nephrology)	CTSI K Scholar	Research/Scholarly Mentor, Project Mentor		deceased
2009 - 2011	Emily Wang (General Medicine)	Assistant Professor (Yale)	Research/Scholarly Mentor, Project Mentor, Career Mentor		Associate Professor (Yale)
2009 - present	Vanessa Grubbs (Nephrology)	Assistant Professor Nephrology	Research/Scholarly Mentor, Project Mentor, Career Mentor		Associate Professor (UCSF)
2009 - 2011	Y. Claire Wang (Public Health)	Assistant Professor (Columbia)	Project Mentor		Fellow - Health and Human Services
2011 - 2016	Michelle Odden (Epidemiology)	Assistant Professor (Oregon State University)	Research/Scholarly Mentor, Project Mentor, Career Mentor		Associate Professor (Oregon State University)
2011 - 2016	Nisha Bansal (Nephrology)	Assistant Professor (University of Washington)	Research/Scholarly Mentor, Project Mentor		Associate Professor (UW)
2012 - 2016	Christine Dehlendorf (Family Med)	Assistant Professor (UCSF)	Project Mentor		Associate Professor (UCSF)

Dates	Name	Position while Mentored	Mentor Type	Mentoring Role	Current Position
2015 - 2017	Delphine Tuot (Nephrology)	Assistant Professor (UCSF)	Project Mentoring		Associate Professor (UCSF)
2015 - present	Valy Fontil (General Medicine)	Assistant Professor	Research/Scholarly Mentor, Project Mentor, Career Mentor, Co-Mentor/Clinical Mentor		Assistant Professor (UCSF)
2015 - 2018	Charles Jonassaint (Psych - Gen Med)	Assistant Professor (Pittsburgh)	Career Mentoring (NHLBI - Implementation Science)		Assistant Professor (Pittsburgh)
2015 - 2016	Susan Brown	Research Scientist	Career Mentoring (NHLBI - Implementation Science)		Assistant Professor (Kaiser DOR)
2015 - 2017	Natalie Moise (Gen Med)	Assistant Professor (Columbia)	Career Mentoring (NHLBI - Implementation Science)		Assistant Professor (Columbia)
2016 - present	Dhruv Kazi	Associate Professor (UCSF)	Research/Scholarly Mentor, Career Mentor		Associate Professor (Beth Israel)
2016 - present	Courtney Lyles	Associate Professor (UCSF)	Research/Scholarly Mentor, Career Mentor		Associate Professor (UCSF)
2017 - 2018	Charles Rogers	Assistant Professor (Minnesota)	Research/Scholarly Mentor		Assistant Professor (Utah)

## RESEARCH AND CREATIVE ACTIVITIES

### RESEARCH AND CREATIVE ACTIVITIES SUMMARY

My research focuses on the prevention and treatment of cardiovascular disease, with a particular emphasis on racial disparities in disease incidence and outcomes. I use tools ranging from clinical epidemiology and health services research, to implementation sciences and computer simulation modeling. I have two areas of active study. The first includes identification of risk factors for the development of cardiovascular disease in young adults. Research in this area includes modeling the longitudinal effects of a) early and poorly treated hypertension, b) sub-clinical kidney disease, c) lifestyle factors such as obesity, and d) poor access to preventive health care services. I have focused particular attention to the development of hypertension in African Americans that occurs in young and middle age. The second area of interest is the development of strategies to improve the prevention, diagnosis, and management of cardiovascular disease and additionally address race, ethnic, and income disparities. Studies in this area involve a) evaluation of public health strategies to prevent early development of cardiovascular risk factors using computer simulation modeling and b) development and assessments of interventions to improve management of hypertension and heart failure, particularly in low income and race/ethnic minority populations.

### RESEARCH AWARDS - CURRENT

1. 2R25 HL126146	MPI		Bibbins-Domingo/Handley/Fernandez (PI)
NIH-NHLBI		05/01/2019	04/30/2024
UCSF Research in Implementation Science for Equity (UCSF-RISE 2)		\$ 478,999 direct/yr 1	
2. 1R38HL143581-01	MPI		Huang/Bibbins-Domingo (PI)
NIH-NHLBI		07/01/2018	06/30/2022
Enhancing Resident Investigation and Career Advancement in Cardiovascular and Pulmonary Science		\$ 221,000 direct/yr 1	
3. 1R01HL137696-01A1	Site PI		Wang (PI)
NIH-NHLBI		04/01/2018	01/31/2022
JUSTice-Involved Individuals Cardiovascular Disease Epidemiology (JUSTICE)		\$ 192,448 direct/yr 1	
4. K12 HL138046	MPI		Bibbins-Domingo/Cattamanichi (PI)
NIH-NHLBI		09/01/2017	08/31/2022

UCSF Career Development Program in Implementation Research in Heart and Lung Diseases		\$ 80,395 direct/yr 1	
5. RF1 AG054443	Co-Investigator		Yaffe/AI-Hazzouri (PI)
NIA - NIH		05/01/2017	04/30/2021
Healthy Heart, Healthy Brain? A Pooled Life- course Cohort for Dementia Risk Assessment		\$ 256,927 direct/yr 1	
6. UL1TR001872	MPI		Collard/Bibbins- Domingo/Criswell (PI)
NIH-NCATS		07/18/2016	05/31/2021
UCSF Clinical and Translational Science Institute (CTSI)		\$ 477,453 direct/yr 1	
7. KL2TR001870	MPI		Bauer/Bibbins-Domingo (PI)
NIH-NCATS		07/18/2016	05/31/2021
UCSF CTSI Institutional Career Development Core (KL2)		\$ 2,471,530 direct/yr 1	
8. TL1TR001871	MPI		Bibbins-Domingo/Atabai (PI)
NIH-NCATS		07/18/2016	05/31/2021
UCSF CTSI NRSA Training Core		\$ 1,225,996 direct/yr 1	
9. UL1GM118985S	MPI		Bibbins-Domingo/Marquez- Magana (PI)
NIH- NIGMS		10/01/2014	06/30/2024
SF State BUILD: Enabling Students to Represent in Science		\$ 504,731 direct/yr 1	
<b>RESEARCH AWARDS - PAST</b>			
1. Harold Amos Award	PI		Bibbins-Domingo (PI)
Robert Wood Johnson Foundation		07/01/2004	06/30/2008

## Managing heart failure in minority young adults

2.	N01 HC95095 (supplement) NHLBI Antecedents of heart failure in black and white young adults	PI of supplement	Williams (PI)	07/01/2005	6/30/2008
3.	UCSF Hellman Family Fund Intramural Biomarkers for the diagnosis of heart failure in young adults	PI	Bibbins-Domingo (PI)	01/01/2007	12/31/2008
4.	R01 HL081257 NHLBI Health literacy and self-management in heart failure	Co-investigator	Pignone (PI)	09/01/2006	05/31/2011
5.	09GRNT2060096 Grant in Aid American Heart Association Adaptation of the Coronary Heart Disease (CHD) Policy Model to US Subpopulations	PI	Bibbins-Domingo (PI)	07/01/2009	06/30/2012
6.	B1CMS330882 Centers for Medicaid and Medicare Services Medicaid Incentives for the Prevention of Chronic Diseases UCSF: Economic Evaluation	co-investigator	Kohatsu (PI)	02/01/2012	07/31/2012
7.	R01DK078124 NIDDK Chronic kidney disease and cardiovascular risk in black and white young adults	PI	Bibbins-Domingo (PI)	08/01/2008	07/31/2012

8.	5R01DK078124-02	PI		Bibbins-Domingo (PI)
			08/01/2009	07/31/2012
	Supplement to Chronic Kidney Disease and Cardiovascular Risk in Black and White Young Adults			
9.	NIH R21- MD005948	Co-investigator		Pasick (PI)
	NIH - Office of Minority Health and Health Disparities		10/01/2010	09/30/2012
	Mechanisms and capacity to reduce disparities: The abundant life of health ministries			
10.	UC Mexus	PI		Bibbins-Domingo (PI)
	UC Institute for Mexico and the United States		07/01/2011	12/31/2012
	Enhancing Mexican Capacity for CVD Policy Research			
11.	intramural	PI		Bibbins-Domingo (PI)
	UCSF Pacific Rim Research Program		07/01/2012	12/31/2013
	Developing a Blood Pressure Screening Model			
12.	R01 HL107475-01	site-PI		Moran (PI)
	NIH - NHLBI		08/19/2011	06/30/2015
	Comparative Effectiveness Analysis of Treat-to-Target and Risk Based Blood Pressure Control Policy			
13.	R03TW009061	MPI		Bibbins-Domingo/Fernandez (PI)
	NIH- Fogarty		03/20/2013	02/29/2016
	Enhancing Mexican Capacity for CVD Policy Research			

14. U54NS081760 (supplement) NIH-NINDS Supplement to Discovery and Healthcare Innovation to Address Disparities in Stroke (DIADS)	MPI		Sidney/Bibbins-Domingo (PI)
		09/01/2014	08/30/2016
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15. Conference Grant Bill & Melinda Gates Foundation Precision Public Health	PI		Bibbins-Domingo (PI)
		02/01/2016	08/31/2016
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16. P30DK092924 NIH- NIDDK The HMO Research Network □ UCSF Center for Diabetes Translational Research	Co-investigator		Schmittdiel (PI)
		09/01/2011	08/31/2016
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17. U58 DP003839 Centers for Disease Control and Prevention (CDC) Establishing a Surveillance System for Chronic Kidney Disease in the US	co-investigator		Powe (PI)
		09/30/2011	09/29/2016
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18. Patient-Centered Outcomes Research Institute PCORI PRIDEnet: A Participant-Powered Research Network of Sexual and Gender Minorities	Co-investigator		Lunn (PI)
		10/01/2015	09/30/2018
		\$ 480,000 direct/yr 1	
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19. P60MD006902 NIH- NIMHD CHARM - Addressing Disparities in Chronic Disease with a Teen and Young Adult Focus	PI		Bibbins-Domingo (PI)
		08/27/2012	06/30/2019
		\$ 800,000 direct/yr 1	

20. Supplement to U48DP004998	Co-investigator		Seligman/Lightfoot (PI)
Centers for Disease Control and Prevention		09/30/2014	09/29/2019
The UCSF Prevention Research Center - Nutrition and Obesity Policy Research Network (NOPREN)		\$ 307,895 direct/yr 1	
21. U54NS081760	MPI		Bibbins-Domingo/Sidney (PI)
NIH- NINDS		09/30/2012	08/31/2017
Discovery and Healthcare Innovation to Address Disparities in Stroke (DIADS) □ A Kaiser Permanente Northern California (KPNC) and University of California, San Francisco (UCSF) Collaborative Center		\$ 800,000 direct/yr 1	
22. R25HL126146	MPI		Bibbins-Domingo/Fernandez/Handley (PI)
NIH-NHLBI		09/30/2012	08/31/2017
UCSF Research Implementation Sciences for Equity		\$ 273,240 direct/yr 1	
23. OT-PM-17-002	MPI		Bibbins-Domingo/Lunn (PI)
NIH		09/01/2017	08/31/2020
National Sexual and Gender Minority (SGM) Engagement Network		\$ 482,176 direct/yr 1	
I am no longer on this grant.			
24. U58 DP006255	Co-investigator		Powe (PI)
Centers for Disease Control and Prevention		09/30/2016	09/29/2021
Supporting, Maintaining and Improving the Surveillance for Chronic Kidney Disease in the U.S.		\$ 372,017 direct/yr 1	
I am no longer on this grant.			
25. UCSF Intramural	PI		Bibbins-Domingo (PI)
Executive Vice Chancellor Strategic Funding		07/01/2018	06/30/2019



Population Health Data Initiative	\$ 1,400,000 direct/yr 1
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26. K24DK103992	PI	Bibbins-Domingo (PI)
NIH - NIDDK	09/20/2014	07/31/2020
Hypertension Management in Minority and Low Income Populations	\$ 170,357 direct/yr 1	

### PEER REVIEWED PUBLICATIONS

1. **Bibbins KB**, Tsai JY, Schimenti J, Sarvetnick N, Zoghbi HY, Goodfellow P, Silver LM. Human homologs of two testes-expressed loci on mouse chromosome 17 map to opposite arms of chromosome 6. *Genomics*. 1989 Jul; 5(1):139-43. PMID: 2767684
2. **Bibbins KB**, Boeuf H, Varmus HE. Binding of the Src SH2 domain to phosphopeptides is determined by residues in both the SH2 domain and the phosphopeptides. *Mol Cell Biol*. 1993 Dec; 13(12):7278-87. PMID: 7504171. PMCID: PMC364798
3. Kaplan KB, **Bibbins KB**, Swedlow JR, Arnaud M, Morgan DO, Varmus HE. Association of the amino-terminal half of c-Src with focal adhesions alters their properties and is regulated by phosphorylation of tyrosine 527. *EMBO J*. 1994 Oct 17; 13(20):4745-56. PMID: 7525268. PMCID: PMC395413
4. Boeuf H, Murphy J, **Bibbins KB**, Varmus HE. Binding in vitro of phosphotyrosine-containing proteins to pp60c-src SH2 domain does not correlate with CEF transformation. *Oncogene*. 1995 Feb 2; 10(3):433-8. PMID: 7531318
5. Schillinger D, **Bibbins-Domingo K**, Vranizan K, Bacchetti P, Luce JM, Bindman AB. Effects of primary care coordination on public hospital patients. *J Gen Intern Med*. 2000 May; 15(5):329-36. PMID: 10840268. PMCID: PMC1495451
6. **Bibbins-Domingo K**, Ansari M, Schiller NB, Massie B, Whooley MA. B-type natriuretic peptide and ischemia in patients with stable coronary disease: data from the Heart and Soul study. *Circulation*. 2003 Dec 16; 108(24):2987-92. PMID: 14662720. PMCID: PMC2771188
7. **Bibbins-Domingo K**, Ansari M, Schiller NB, Massie B, Whooley MA. Is B-type natriuretic peptide a useful screening test for systolic or diastolic dysfunction in patients with coronary disease? Data from the Heart and Soul Study. *Am J Med*. 2004 Apr 15; 116(8):509-16. PMID: 15063811. PMCID: PMC2776680
8. **Bibbins-Domingo K**, Lin F, Vittinghoff E, Barrett-Connor E, Hulley SB, Grady D, Shlipak MG. Predictors of heart failure among women with coronary disease. *Circulation*. 2004 Sep 14; 110(11):1424-30. PMID: 15353499
9. **Bibbins-Domingo K**, Lin F, Vittinghoff E, Barrett-Connor E, Grady D, Shlipak MG. Renal insufficiency as an independent predictor of mortality among women with heart failure. *J Am Coll Cardiol*. 2004 Oct 19; 44(8):1593-600. PMID: 15489091