



CFAR FUTURE LEADERS IN HIV RESEARCH SYMPOSIUM

Program

Tuesday, April 17, 2018

Co-Sponsored by
AIDS Research Institute (ARI)
Global Health Sciences (GHS)
Center for AIDS Prevention Studies (CAPS)



Mahley Auditorium
Gladstone Institutes
Mission Bay Campus
1650 Owens Street, San Francisco

Welcome to the Future Leaders Annual Symposium 2018

Message from UCSF-Gladstone CFAR Directors:

The Andy I. Choi Mentoring Program of the UCSF-Gladstone Center for AIDS Research will offer Bay Area investigators a glimpse into the **future of HIV research** with a half-day symposium on Tuesday, April 17, 2018, at the **Gladstone Institutes' Mahley Auditorium**.

UCSF-Gladstone CFAR Co-Directors Paul Volberding, MD, and Warner Greene, MD, PhD, will provide a venue for promoting the work of future leaders in HIV research. The speaker lineup features a group of talented HIV/AIDS investigators from our Mentoring Program. Research presentations will span basic, clinical, epidemiologic, preventive, and translational aspects of HIV biology.

A highlight of the symposium will be the keynote presentation by Dr. Marguerita Lightfoot. An additional highlight will be the presentation of the **CFAR Early-Career Research Excellence Awards** to recognize and honor four outstanding early-career investigators.

Agenda

The Program was developed by Drs. Jonathan Fuchs and Monica Gandhi, the leadership team of the CFAR Mentoring Program.

"The UCSF-Gladstone CFAR regards its mentoring program as a key achievement. Supporting the next generations of leading investigators ensures that the amazing success we have attained continues as we face the ongoing challenges of this epidemic. The mentorship symposium is our annual showcase of that new leadership."

– Dr. Volberding

"Better mentoring has become an academic imperative. We believe this symposium, which is the culmination of CFAR's year-long mentoring program, will provide our young investigators with an excellent opportunity to share their results with the larger community."

– Dr. Greene



(Photo 2015 Symposium)

Symposium Program

Speakers and Bios

8:00-9:00 AM

Continental Breakfast

9:00-9:10 AM

Opening Remarks

CFAR Co-Directors Paul Volberding, MD and Warner Greene, MD, PhD. Jonathan Fuchs, MD, MPH and Monica Gandhi, MD, MPH, Co-Directors of The Andy I. Choi Mentoring Program.



**Marguerita
Lightfoot, PhD**
9:10 - 9:45

Dr. Lightfoot is Professor, Chief of the Division of Prevention Science, Director of the Center for AIDS Prevention Studies (CAPS), Director of the UCSF Prevention Research Center, and she holds the Walter Gray Endowed Chair. Her research focus has been improving the health and well-being of adolescents and young adults as well as the development of efficacious interventions to reduce acquisition and transmission of HIV among those populations disproportionately burdened by the epidemic.

Keynote:

My life with adolescents and the mentoring that keeps me sane!



Daniele Cary, PhD
9:45 - 10:05

Dr. Cary is a postdoctoral fellow who joined Matija Peterlin's laboratory at the UCSF Parnassus campus soon after obtaining her PhD in Microbiology and Immunology from Boston University. Dr. Cary's research interests include cellular mechanisms that regulate HIV transcription, HIV latency, and inflammation. She has published work using the traditional Chinese medicinal herb kansui, which reactivates latent HIV in a manner similar to purified compounds. Dr. Cary's current research focuses on the discovery of other potential latency-reactivating compounds and understanding resting T-cell biology and the role it plays in HIV latency.

Combinational approaches to reactive latent HIV



**William Brown III,
PhD, MA**
10:05 - 10:25

Dr. Brown is an Assistant Professor of Medicine at the Center for AIDS Prevention Studies (CAPS), Center for Vulnerable Populations (CVP), and Institute for Computational Health Science (ICHS). His areas of expertise are biomedical informatics and HIV clinical and behavioral research, with a goal to implement innovative clinical research informatics methods to create intelligent knowledge-based mHealth and data integration tools. His research addresses health disparities among underserved communities by helping to create a Learning Health System that is responsive to vulnerable populations, particularly those at risk of acquiring HIV.

An mHealth-data universal translator (mUniTr) that helps all HIV mHealth Apps and intervention tools work on all mobile devices and platforms



**Andrea
Gramatica, PhD**
10:25 - 10:45

Dr. Gramatica is a postdoctoral scholar in Warner Greene's laboratory at the Gladstone Institute of Virology and Immunology. He received his PhD in Cell Biology from Humboldt University in Berlin, where he studied the role of key cellular pathways during HIV assembly and release, and developed a nanomedical system for clearance of HIV particles by macrophages. His current research focuses on the study of HIV-1 latency reversal. Specifically, his research is dedicated to the analysis of novel latency-reversing agents that are non-toxic and prevent broad T-cell activation, but are able to induce long terminal repeat (LTR) transcription and virus production.

Identification of a new class of HIV latency-reversing agents

10:45-11:00 AM

BREAK

Symposium Program



Matthew Spinelli, MD
11:00 - 11:20

Dr. Spinelli is a second-year infectious diseases fellow in the Division of HIV, ID, and Global Medicine, and he is an HIV and PrEP provider at Ward 86. Under the mentorship of Dr. Susan Buchbinder and Dr. Monica Gandhi, he uses implementation science methods to research the PrEP cascade at a time of increasing uptake in San Francisco. His focus is on disparities in PrEP uptake, PrEP persistence, and routine care delivery for PrEP users participating in primary care health systems.

Disparities across the PrEP cascade: PrEP initiation, PrEP persistence, and appropriate HIV/STI testing

11:20 - 11:30

EARLY CAREER RESEARCH EXCELLENCE AWARDS

Presenting: CFAR Co-Directors Dr. Paul Volberding, Warner Greene, and CAPS Director, Dr. Marguerita Lightfoot



Hyman Scott, MD, MPH
11:30 - 11:50

Dr. Scott is the Clinical Research Medical Director at Bridge HIV in the San Francisco Department of Public Health and an Assistant Clinical Professor of Medicine at UCSF. He received his MD degree from Yale School of Medicine; and completed his Internal Medicine residency, Chief Residency, Infectious Disease fellowship, and postdoctoral research training in the Traineeship for AIDS Prevention Studies at UCSF. He has a particular interest in the epidemiology of HIV-related racial/ethnic disparities among men who have sex with men (MSM) and interventions to reduce these disparities.

Early-Career Award: Excellence in Clinical Research

Finding the right fit: Targeting combination HIV prevention for MSM



Sulggi Lee, MD, PhD
11:50-12:10

Dr. Lee is an Assistant Professor of Medicine in the Division of HIV, Infectious Diseases, and Global Medicine. She is the recipient of an NIH Translational Scholar K23 Award in Pharmacogenomics and Personalized Medicine. Her research aims to identify host genetic predictors of HIV persistence and identify key genetic predictors of host response to in vivo latency reversal agents. She is mentored by Steven Deeks and Deanna Kroetz.

Early-Career Award: Excellence in Translational Science

Host genetic factors associated with HIV latency



Lillian Brown, MD, MPH
12:10 - 12:30

Dr. Brown is a fellow in the Division of HIV, ID, and Global Medicine at Zuckerberg San Francisco General Hospital and a postdoctoral fellow in the Traineeships for AIDS Prevention Studies (TAPS). Her research examines the influence of social networks on engagement in HIV care with the goal of developing novel interventions to improve treatment outcomes in resource-limited settings. She is currently co-investigator on the ongoing SEARCH study in Uganda and Kenya and sees patients at ZSFG.

Early-Career Award: Excellence in Behavioral Science

Levering social networks to improve clinical outcomes in HIV-infected youth in East Africa



Thomas Packard, PhD

Dr. Packard is a postdoctoral scholar in Warner Greene's laboratory at the Gladstone Institute of Virology and Immunology. He received his PhD in Immunology from the University of Colorado Denver, where he studied autoimmunity and inflammation. His current research focuses on the role of the host innate response in establishment of the latent HIV reservoir.

Early-Career Award: Excellence in Basic Science

Establishing the HIV reservoir: HIV susceptible cells and signals that recruit them (to present at a later time)

Join us for a Networking Lunch after the program!