



## **RESEARCH PATHWAYS DIRECTORS WORKSHOP**

**Sunday, April 14, 2019  
12:00 PM to 6:00 PM Eastern Standard Time  
Marriott Philadelphia Downtown  
Room: TBD  
Philadelphia, PA**

### **AGENDA**

12:00 PM – 12:05 PM

#### **Welcome**

**Robert Salata, MD, FACP, FIDSA**  
STERIS Chair of Excellence in Medicine  
Professor and Chairman, Department of Medicine  
Case Western Reserve University  
Chair, AAIM Research Committee

**Mone Zaidi, MD, PhD, MACP, FRCP**  
Professor of Medicine  
Icahn School of Medicine at Mount Sinai, New York  
Vice Chair, AAIM Research Committee

12:05 PM – 12:10 PM

#### **Purpose and Long-Term Goals**

**Christopher Williams, MD, PhD**  
Associate Dean, Physician–Scientist Education and Training  
Professor of Medicine and Cancer Biology  
Director, Medical Scientist Training Program  
Vanderbilt University School of Medicine

12:10 PM – 12:40 PM

#### **Keynote Lecture**

*Physician-Scientists: Rumors of Our Death Have Been Vastly Exaggerated...Or Have They?*

The current landscape for physician-scientist training and career development will be discussed. Recent advances in both biomedical and clinical medicine offer exciting and potentially transformational opportunities for advancement within the role of the physician-scientist more than ever. However, complex challenges face trainees entering the pathway that seriously threaten the future pool of these unique individuals, which optimally connect the laboratory and the clinic.

**David Ginsburg, MD,**  
James V. Neel Distinguished University Professor of Internal Medicine  
Warner-Lambert/Parke-Davis Professor of Medicine  
University of Michigan

Howard Hughes Medical Institute Investigator  
Member, U.S. National Academy of Sciences

Moderator

**Mone Zaidi, MD, PhD, MACP, FRCP**

Professor of Medicine

Icahn School of Medicine at Mount Sinai, New York

Vice Chair, AAIM Research Committee

12:40 PM – 12:55

Question/Answer/Feedback Segment

12:55 PM – 1:25 PM

**Guest Lecture**

*Mechanisms to Vertically Integrate MSTP and PSTP*

Applicants to Internal Medicine PSTPs are overwhelmingly from the MD/PhD trainee pool and are being advised by savvy MD/PhD Directors. To improve recruitment, it is key that PSTP Directors design their PST Program with this group in mind, anticipate applicant questions and concerns, be transparent of the financial support provided at distinct stages of PSTP training, and have a robust website that addresses these issues. Finally, it is important to develop a cadre of developing physician-scientists across the vertical span, from MD/PhD to PSTP to young faculty, to establish a supportive network at each of our institutions. Established physician-scientists also play a critical role as mentors and role models and should be integrated into this group. A leadership position should be established in the SOM Dean's Office to coordinate these efforts effectively.

**Arthur Gutierrez-Hartmann, MD**

Associate Dean for Research Education SOM

Director, Medical Scientist Training Program

Director, Physician–Scientist Residency Training Program

Professor, Departments of Medicine,

Biochemistry, and Molecular Genetics

University of Colorado Anschutz Medical Campus

Moderator

**Rebecca Baron, MD**

Assistant Professor of Medicine, Harvard Medical School

Director, Physician–Scientist Training Program

Brigham and Women's Hospital

1:25 PM – 1:40 PM

Question/Answer/Feedback Segment

1:40 PM – 1:55 PM

Networking and Coffee Break

1:55 PM – 2:25 PM

**Guest Lecture**

*Navigating the Fellow-To-Faculty Transition and Beyond – Insights From Personal Experience*

Amongst the most formative periods in the life of any physician-scientist is the post-graduate training period, the transition to faculty, and the initial phase as an independent faculty member. While navigating this period successfully is enormously gratifying and critical

to sustain the physician-scientist pipeline, the perils and pitfalls for trainee, mentor, and institution are significant. Dr. Jain will share some common challenges, broader efforts to address these concerns, and insights gleaned from personal experiences.

**Mukesh K. Jain, MD**

Professor Department of Medicine, and of Physiology and Biophysics  
Ellery Sedgewick Jr. Chair and Distinguished Scientist  
Vice Dean for Medical Sciences  
Case Western Reserve University School of Medicine  
Chief Scientific Officer, University Hospital Health System  
Member, US National Academy of Medicine

Moderator

**Olujimi Ajijola, MD, PhD**

Assistant Professor of Medicine, UCLA  
Director, UCLA ProSTAR-PSTP Track

2:25 PM – 2:40 PM

Question/Answer/Feedback Segment

2:40 PM – 3:00 PM

**Survey Report and Future Directions**

The Physician-Scientist Post-Graduate Training Subcommittee formed a Survey Development Subgroup, charged with developing a survey to determine both the physician-scientist and research-in-residency training landscapes. Dr. Brass and Dr. Williams will detail the census' results. The subgroup anticipates that the findings will generate information to craft a more detailed, focused subsequent survey.

**Lawrence “Skip” Brass, MD, PhD**

Professor of Medicine and Pharmacology  
Associate Dean for Combined Degree and Physician Scholar Programs  
Director, Penn MSTP  
Perelman School of Medicine  
University of Pennsylvania

**Christopher Williams, MD, PhD**

Associate Dean, Physician–Scientist Education and Training  
Professor of Medicine and Cancer Biology  
Director, Medical Scientist Training Program  
Vanderbilt University School of Medicine

3:00 PM – 3:15 PM

Question/Answer/Feedback Segment

3:15 PM – 3:30 PM

Networking and Coffee Break

3:30 PM – 4:15 PM

**Panel Discussion 1: Strategies for Optimizing Mentoring**

Multiple studies have indicated that faculty research mentors are most frequently associated with research success. Dr. Vyas will moderate an esteemed panel of experts who have first-hand knowledge of the importance of mentorship in this field. Dr. Lenshow, Dr. Salata, and Dr. Zaidi will offer pointers and relate personal experiences that will culminate on best practices to enhance mentorship skills and the need

to develop mentors to guide the next generation of researchers and physician-scientists.

Moderator:

**Jatin (Jay) M. Vyas, MD, PhD**

Associate Professor, Harvard Medical School  
Program Director, Internal Medicine Residency Program  
Massachusetts General Hospital

Panelists:

**Deborah Lenschow, MD, PhD**

Associate Professor of Medicine  
Washington University School of Medicine

**Robert Salata, MD**

STERIS Chair of Excellence in Medicine  
Professor and Chairman, Department of Medicine  
Case Western Reserve University  
Chair, AAIM Research Committee

**Mone Zaidi, MD, PhD, MACP, FRCP**

Professor of Medicine  
Icahn School of Medicine at Mount Sinai, New York  
Vice Chair, AAIM Research Committee

4:15 PM – 4:30 PM

Question/Answer/Feedback Segment

4:30 PM – 5:15 PM

**Panel Discussion 2: Novel Models of Training that Shorten Time from School Graduation to First R01**

The training pathway for physician-scientists is a long, though rewarding commitment. Seasoned MD/PhDs are more than aware of the dedication and efforts put forth by the next generation. This panel will discuss emerging models and trends employed or piloted by other institutions to fast-track a learner's progression.

Moderator:

**Patrick Hu, MD, PhD**

Associate Professor of Medicine  
Director, Physician – Scientist Training Program  
Director, Harrison Society  
Vanderbilt University School of Medicine

Panelists:

**Kafui Dzirasa, MD, PhD**

Associate Professor of Psychiatry and Behavioural Sciences  
Duke University School of Medicine

**Alexander Charney, MD, PhD**

Assistant Professor of Psychiatry and Genomic Sciences  
Icahn School of Medicine at Mount Sinai

**Robert Baiocchi, MD, PhD**

Professor of Medicine  
Director, Physician Scientist Training Program

Ohio State University School of Medicine

5:15 PM – 5:30 PM

Question/Answer/Feedback Segment

5:30 PM – 5:45 PM

**Best Practices in Research in Internal Medicine Residency Programs**

To better understand best practices in residency research, the Resident Research Subcommittee, which operates under the auspices of the AAIM Research Committee, conducted a survey among Internal Medicine Residency Programs with experience in research. Phone interviews were conducted with a convenience sample of Residency Programs Directors. Survey responses were analyzed across the following domains: size and makeup of the residency and research programs, resources for research, role of the PD/research director (RD), profile of trainees doing research, curriculum description, scope of research, role of mentors, career choices and determinants of success. Research success during residency is multifactorial. Dr. Ercan-Fang will detail the study's methods, results, and conclusions.

**Nacide Ercan-Fang, MD**

Associate Program Director  
University of Minnesota Medical School

5:45 PM – 6:00 PM

**Closing Summary and Action Plan**

**Christopher Williams, MD, PhD**

Associate Dean, Physician–Scientist Education and Training  
Associate Professor of Medicine and Cancer Biology  
Director, Medical Scientist Training Program  
Vanderbilt University School of Medicine

**Rebecca Baron, MD**

Assistant Professor of Medicine, Harvard Medical School  
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