

THIRTEENTH ANNUAL

Respiratory Disease Young Investigators' Forum

A Continuing Medical Education Program for
Pediatric, Pulmonary, Allergy and Immunology Fellows

PROGRAM NEWSLETTER

FORUM HELD

OCTOBER 12-15, 2017

WARWICK DENVER HOTEL, DENVER, CO

**“Unprecedented access
to my heroes in academic
pulmonary medicine”**

“The opportunity to present to expert faculty outside of my home institution in a low pressure environment. I also enjoyed networking with other research focused fellows.”

“THIS IS MY NEW FAVORITE CONFERENCE. AS A YOUNG INVESTIGATOR, I FREQUENTLY FEEL LIKE A BYSTANDER AT LARGE CONFERENCES. IT WAS REFRESHING AND IMMENSELY EDUCATIONAL TO PARTICIPATE IN A CONFERENCE FOCUSED ON MY STAGE OF TRAINING AND COMPOSED OF MY PEERS.”



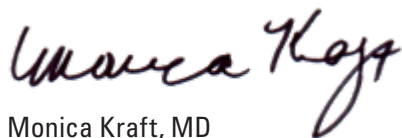
Dear Colleague:

It was a perfect weekend in Denver on October 12-15, 2017, for the Thirteenth Annual Respiratory Disease Young Investigators' Forum. A world-class faculty selected 31 abstracts and invited the submitting young investigators (fellows in pediatric, pulmonary, allergy and immunology) to attend and present their research.

This meeting represented a group of outstanding young investigators with fantastic research, hunger to learn, and scientific acumen. The collegial atmosphere promoted frank and open discussions of career development, faculty recruitment, and work-family interactions. The faculty manifest broad interests in respiratory research with varied life experiences.

By far, this is one of the most unique opportunities for young investigators to engage with senior faculty. The goals are to inform, to educate, and to implement pathways for career development so that participants can become leaders in respiratory research.

Sincerely,



Monica Kraft, MD
Program Chair



Irina Petrache, MD
Program Co-Chair



Top (left to right): Jay Kolls, MD, Tulane School of Medicine, New Orleans, LA; **Irina Petrache, MD**, (Co-Chair) National Jewish Health, Denver, CO; **Reynold A. Panettieri, Jr., MD**, Rutgers University, New Brunswick, NJ; **Monica Kraft, MD**, (Chair) University of Arizona Health Sciences Center, Tucson, AZ.

Bottom (left to right): Stephen C. Lazarus, MD, University of California, San Francisco, CA; **Gregory Downey, MD**, National Jewish Health, Denver, CO; **Mihaela Teodorescu, MD, MS**, University of Wisconsin School of Medicine & Public Health, Madison, WI; **Lewis J. Smith, MD**, Northwestern University, Chicago, IL; **Venkataramana K. Sidhaye, MD**, Johns Hopkins University, Baltimore, MD.

2017 Grant Award Recipients

First Place Basic Science

PLATELET-SPECIFIC CFTR DYSFUNCTION INCREASES LUNG INFLAMMATION AND INJURY THROUGH TRPC6



Michelle Yu, MD, PhD

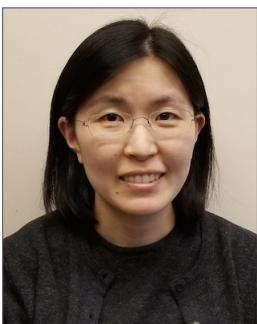
University of California, San Francisco
San Francisco, CA

“The most rewarding part of this conference was the amount of time we spent with the senior investigators, discussing career paths and trajectories and why pursuing being a physician-scientist is a noble and needed goal.”

“I would have anticipated that any number of researchers could have won awards. I was awed by my peers’ work, and I was humbled by hearing their presentations on ideas that are breaking ground in their respective fields. Being selected for an award means so much to me because the competition was incredible, and it is largely because of the scientific community’s support that any of us succeed with our work. I am grateful and humbled by having received this award.”

First Place Clinical Research

EOSINOPHILIC COPD IS ASSOCIATED WITH INCREASED EXACERBATIONS AND UNIQUE BLOOD TRANSCRIPTOMIC SIGNATURES



Jeong Yun, MD, MPH

Brigham and Women’s Hospital
Boston, MA

“The intimate and friendly setting was very helpful to receive constructive feedback, insightful ideas and share enthusiasm.”

“It is a great honor and humbling experience to receive this award. This award will not only provide me opportunity to fund my research project in transcriptomics of COPD, but also strengthen motivation for continuing research to understand COPD pathogenesis.”

89.29% strongly agree or agree that in comparison to other professional development activities they have participated in this year, this activity was as helpful or more helpful toward meeting their professional goals

2017 Grant Award Recipients

Second Place Basic Science

THE INDIRECT CYTOTOXIC EFFECTS OF PSEUDOMONAS AERUGINOSA INFECTION ON MICROVASCULAR AND PULMONARY ARTERY ENDOTHELIAL CELLS



Mohammed Berrou, MD

University of South Alabama School of Medicine
Mobile, AL

“The constructive feedback and personal advices are priceless. I highly recommend this meeting for young investigators planning an academic career in pulmonary and critical care medicine.”

“The award was such an awesome recognition of the long hours we put into this project. It will always have a special place in my heart as the first funds I won in my career. The team in the lab was thrilled to know their work was recognized on a national level by great scientists. The funds will help us further understand infectious induced proteinopathy and its impact of critical illness survivors.”

Second Place Clinical Research

REGIONAL VENTILATION CHANGES IN SEVERE ASTHMA AFTER BRONCHIAL THERMOPLASTY



Chase S. Hall, MD

Washington University in St. Louis
St. Louis, MO

“The YIF was a great forum to learn about research being performed at other institutions and to develop new collaborations.”

“It gives a boost in confidence that others are interested in the work that I am doing and that the community believes that non-invasive imaging can be very valuable in evaluating lung pathology as well as treatment response.”

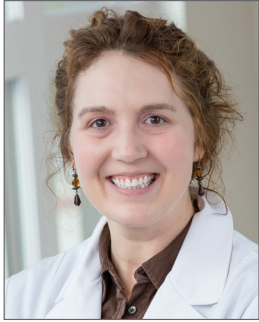
89.28% strongly agree or agree that this activity positively influenced their interest in pursuing a career as a physician scientist

96.4% would highly recommend this program to their colleagues!

2017 Grant Award Recipients

Third Place Basic Science

TRPA1 AS A NOVEL BRONCHODILATOR



Brenda J. Marsh, MD, PhD

Oregon Health and Science University
Portland, OR

“Not only did I receive valuable feedback on my research and career trajectories from established giants in the field of pulmonary medicine, but I developed a new network of colleagues from across the nation.”

“I am very honored to have received this award, particularly in light of the outstanding research presented by my colleagues at the Respiratory Disease Young Investigators’ Forum. The award and the funds it provides will propel me closer to becoming an independent investigator of mechanisms of bronchodilation.”

Third Place Clinical Research (TIE)

COPD MORBIDITY IS ASSOCIATED WITH PLATELET COUNT AND ASPIRIN USE: THE SPIROMICS AND COPDGENE COHORTS



Ashraf Fawzy, MD, MPH

Johns Hopkins University
Baltimore, MD

“The expert faculty members provided helpful feedback on my research presentation and imparted valuable advice through lectures and individual interactions.”

“Receiving this award is a great honor and further motivation to continue pursuing a career in academic medicine focused on clinical investigation. The award will allow me to attend an additional conference where I can continue practicing presenting and disseminating my research while networking with colleagues and faculty members.”

SURVIVAL IN SEVERE ARDS MANAGED WITHOUT ECMO: A SINGLE TERTIARY CARE CENTER EXPERIENCE



Sarina Sahetya, MD

Johns Hopkins School of Medicine
Baltimore, MD

“The Forum was a phenomenal event from many standpoints: the cutting-edge research, networking with peers, one-on-one time with leading pulmonary faculty, and the immersion in an academically stimulating environment.”

“It was an honor to receive this award and to have my research efforts recognized by the expert faculty panel, especially given the exceptional research presented by the other young investigators. This award will help fund my future research efforts in this area.”

Forum Feedback

BLINDED PROGRAM EVALUATIONS CAPTURED THESE OUTCOMES

Please provide an example of a change or changes you may make in the care of your patients after having participated in this activity

- I will be more comfortable discussing the novel trials concerning their specific disease in lay terms, including the strengths and weaknesses of the trials and interventions.
- Will be able to more thoroughly evaluate the literature
- Reconsider ECMO consults. COPD treatment for patients at risk of OSA.

Please provide an example of a change or changes you may make in your career trajectory after having participated in this activity.

- I am more dedicated to the physician scientist track than ever before. I am so inspired to see how others have persevered to continue doing this path even when it seems difficult.
- New input to incorporate into future experiments and I will likely take more time as a clinical instructor rather than rushing into a faculty position in order to maximize my protected time for research.
- Will be more focused on obtaining publications. Understand what is needed in order to successfully compete for a career development grant.
- More confident in the pursuit of a research career.
- I have lots of ideas for smaller grants to apply for as I work toward my K. I have a better idea of timing regarding changing institutions after fellowship.
- Look for opportunities outside my institution, negotiate contracts better. Take more time for my family.

“I found this to be one of the most rewarding experiences I have had. The conference was an ideal size, which encouraged active involvement and ability to talk in a more communal setting. I took away a lot of lessons from those who have “made it” that were largely inspiring for me early in this career track.”

