

15th Annual

RESPIRATORY DISEASE Young Investigators' Forum

Developing the next generation of physician-scientists: a research and career mentorship opportunity for fellows and early career faculty.

- Meet the 2019 Forum winners
- Learn how the Forum impacts the future of physician-scientists
- Share with colleagues who are eligible to submit abstracts in 2020



This activity is supported by an educational grant from AstraZeneca Pharmaceuticals LP.

“It was great to have so much face time with expert faculty, and even better to bond with peers at other institutions over our shared experiences. The overall effect is one of invigoration and renewed love and excitement for the work of discovery in the field of lung health. I am honored and grateful to have been a part of this event!”

-Young Investigator, 2019

Get ready for 2020!

Abstract Deadline is June 15, 2020
16th Annual Forum is in Denver, CO
October 8-10, 2020
njhealth.org/YIF2020



#1 in Respiratory Care



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Dear Colleague:

The Fifteenth Annual Respiratory Disease Young Investigators' Forum held in Chicago, IL on October 10-13, 2019 brought together investigators, whose research is focused on respiratory diseases, during a formative stage of their career. A world-class faculty selected 30 abstracts and invited the submitting young investigators (fellows and early career faculty in pediatric, pulmonary, allergy and immunology) to attend and present their research in a competitive setting.

The forum aimed to connect young investigators with expert faculty and peers in the respiratory disease field to improve research methodologies, enhance presentation and communication skills, and stimulate an academic career in respiratory disease and allergy research.

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. In its 15th year, the forum continues to prove to be a valuable and impactful annual event for fellows and junior faculty who are beginning their research careers.

On behalf of the Expert Faculty, we congratulate the 2019 Young Investigators on their accomplishments and wish them continued success in their future endeavors! We also invite you to share this newsletter with young investigators at your institution.

Sincerely,



Jay Kolls, MD
Program Chair



Janet Lee, MD
Program Co-Chair



Young investigators listen as Dr. Kerri Aronson from Weill Cornell Medical College, New York, NY, presents her research before a panel of expert faculty.



Young investigators join Dr. Neil Aggarwal from the National Institutes of Health during a Meet The Professor luncheon.

Did You Know?

The number of physician-scientists is declining. In 1984 there were 23,268 (4.7%) physician-scientists and in 2011 there were 13,447 (1.6%). Shortages of physician-scientists are predicted with an expected negative impact on biomedical research in the U.S.

Program Goal

The goal of the Respiratory Disease Young Investigators' Forum is to increase the number of physician-scientists through a program designed for Fellows and early career faculty to promote a career in research through mentoring and peer networking, coaching, scientific presentations skills, education and encouragement.

2019 Grant Award Recipients

First Place Basic Science

Inactivating mutations in NEK10 cause a human short cilia syndrome



Raghu Chivukula, MD, PhD

Massachusetts General Hospital
Boston, MA

“The Respiratory Disease Young Investigators’ Forum is a phenomenal and genuinely unique chance to hear about the fascinating work being done around the country by talented early-career physician-scientists. I was blown away by the quality of the presentations and it was a lot of fun to meet and socialize with my peers. The faculty were incredibly supportive and generous with their time and career advice as well – overall a real privilege to attend!”

First Place Clinical Research

Increased alternative complement pathway function is associated with reduced mortality in critically ill patients with acute respiratory failure



William Bain, MD

University of Pittsburgh
Pittsburgh, PA

“It was inspiring to be surrounded by tremendously accomplished colleagues and to learn more about their fascinating research. It was also rewarding to see some old friends, make some new contacts, and gain insight from the wealth of experience of the expert faculty.”

Making an Impact

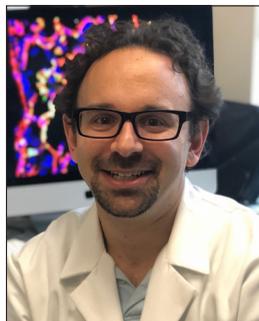
A study was conducted to evaluate the impact of the Respiratory Disease Young Investigators’ Forum on the career development and productivity of fellows and early-career physician faculty who participated between 2005 and 2018.

- Findings showed that 93.4% of survey respondents remain involved with research.
- The median number of peer-reviewed publications authored by respondents is 13.

2019 Grant Award Recipients

Second Place Basic Science

Murine modeling of distinct surfactant protein-C (SFTPC) mutation classes reveal convergent pathways from alveolar type 2 cell quality control dysfunction to lung fibrosis



Jeremy Katzen, MD

University of Pennsylvania
Philadelphia, PA

“Receiving an award that recognized my project was a true honor. This award will allow me to pursue preliminary experiments for a different direction to my project – one that came directly from discussions during the forum with a peer presenter. My hope is that these experiments will help foster a collaboration that will mutually benefit our science and training.”

Second Place Clinical Research

Adults with cystic fibrosis and R117H-CFTR mutations exhibit higher angiopoietin-1 plasma concentrations, a marker of endothelial stability, after short-term ivacaftor treatment



Pavan Bhatraju, MD, MSc

University of Washington
Seattle, WA

“It was very valuable winning an abstract award. Prior to going to the forum I was unsure if the research I was completing was moving the needle on understanding disease pathogenesis in cystic fibrosis. The forum provided an opportunity to validate the work we are doing and provided alternative venues to pursue additional questions.”

The greatest impact of the Respiratory Disease Young Investigators’ Forum was stimulating or confirming participants’ selection of a physician-scientist career by providing opportunities to interact with role models and mentors, practice networking with peers and mentors and scientific communication skills.

“Encouraged me at a critical moment to continue to pursue the path of a physician-scientist.”

– Past Participant

2019 Grant Award Recipients

Third Place Basic Science (Tie)

Airway basal stem cell notch signaling coordinates immune cell localization



Tristan Kooistra MD

Massachusetts General Hospital
Boston, MA

“The Young Investigators’ Forum is a great opportunity to meet and spend time with the Respiratory physician-scientists who are in the same stage of their careers. The faculty members provided invaluable advice regarding career development, presentation skills, and scientific feedback. Overall, I would strongly recommend this conference to early stage investigators as a chance to meet both faculty and their peers as well as experience the breadth of scientific investigation in their field.”

Age determines the tissue protective function of regulatory T cells during influenza A virus-induced lung injury



Luisa Morales-Nebreda, MD

Northwestern University
Evanston, IL

“The forum was a great opportunity to interact with colleagues and senior faculty around the country to learn and receive feedback about our research.”

Program Evaluation Results

100%
of Forum expectations
were met or exceeded

Satisfaction

100%
Would recommend
program to colleagues

Satisfaction

95%
activity positively
influenced interest
...in pursuing a career
as a physician-scientist

2019 Grant Award Recipients

Third Place Clinical Research (Tie)

Health status impact on mortality and lung function decline in smokers with and without airflow obstruction: an analysis of the COPDGene cohort



Wassim Labaki, MD, MS

University of Michigan
Ann Arbor, MI

“I highly recommend it to senior fellows or junior faculty committed to or seriously considering a career in academic medicine. A highlight of the forum was presentations by expert faculty who genuinely shared very valuable career advice based on their many years of experience as leaders in the field of pulmonary medicine.”

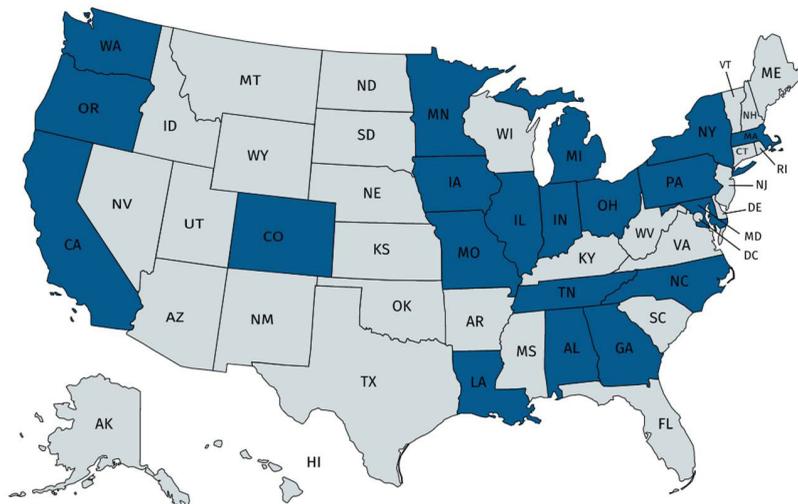
Relationship between smoking history and CT measures of occult lung disease in smokers with preserved spirometry in SPIROMICS



Anita Oh, MD

University of California San Francisco
San Francisco, CA

“The forum was an excellent opportunity to network with peers and leaders in respiratory disease in an intimate and welcoming environment. I really enjoyed learning about the innovative and fascinating research conducted by my peers, and am very impressed with the work everyone has done. I also appreciated the opportunity to interact and get to know the faculty mentors. This was an invaluable experience to network and create relationships with emerging physician-scientists across the country.”



Young investigators represented all the states shown in dark blue for the last three years.

Forum Feedback

BLINDED PROGRAM EVALUATIONS CAPTURED THESE OUTCOMES

Young Investigators report changes they may make in their career trajectory after participating in this activity:

- Apply for an LRP grant, improve my aims page.
- Have a much better idea of what needs to be accomplished to advance career in the next year.
- More confidence to pursue a career as a physician scientist, submitting K-award.
- This activity has enhanced and strengthened my motivation to continue my pursuit of science! Also, I plan to keep in touch with many peers, of whom some of us are already planning to connect again at national conferences.



Fellows, early career faculty, and expert faculty gathered in Chicago, IL., at the 15th Annual Respiratory Disease Young Investigators' Forum on October 10-13, 2019.

“The rehearsal session with the faculty was extremely valuable and very unique to this conference. I appreciated having diverse faculty who could provide insight throughout the conference. This has been one of the best conferences I have attended.”

“Really impressed by both the faculty and presenters at this meeting.”

“Hearing from successful faculty of their tips to be successful but also balancing work and outside of work life.”

CALL FOR RESEARCH ABSTRACTS

DEADLINE: JUNE 15, 2020

2019 FORUM ATTENDEE

“

It was a great opportunity to meet and learn from peers in the research space while learning more about the academic research process including funding, lifestyle, and collaboration.

”

Two Categories:

- ▷ Basic Science Research
- ▷ Clinical Research

OCTOBER 8-10, 2020
• OPEN FOR •
SUBMISSIONS IN 2020
DENVER, CO

FOR MORE INFORMATION
njhealth.org/YIF2020
303.728.6585

16th Annual

RESPIRATORY DISEASE Young Investigators' Forum

Developing the next generation of physician-scientists: a research mentorship and career advancement opportunity for fellows and early career faculty.



WHY APPLY TO ATTEND?

- Opportunity to present and refine your research
- Receive mentoring to effectively enhance research presentations
- Explore strategies for career development and advancement
- Network with peers and renowned expert faculty
- Learn about new and emerging research in respiratory medicine
- Focused program for those interested in becoming physician scientists
- Travel, lodging and meal expenses covered
- Monetary awards for top 3 presenters in each category

HOW IT WORKS

Submit an abstract on your research (clinical or basic science), abstracts are blinded and scored by expert faculty. The top 30 abstracts are accepted and invited to attend the Forum as faculty to present their research in full. Based on scores of the expert faculty, **the top 3 presenters in each category will receive a monetary award to be used for their research at their institution.**

This educational activity is sponsored and certified for CME credit by National Jewish Health. This activity is supported by an educational grant from AstraZeneca Pharmaceuticals LP.



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