

18TH ANNUAL

RESPIRATORY DISEASE Young Investigators' Forum

2022 PROGRAM NEWSLETTER



- Meet the 2022 award winners
- Meet the 2022 Faculty
- Learn how the Forum impacts the future of physician-scientists
- Share with colleagues who are eligible to submit abstracts in 2023

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

“I was honored to co-chair the 2022 Young Investigators Forum. It was inspiring interacting with such talented next generation physician-scientists and seeing the fantastic science they are doing. The future is bright.”

– Wanda Phipatanakul, MD (Program Co-Chair)

Join us in 2023!

**Abstract Deadline is
June 12, 2023**

[NJHealth.org/YIF2023](https://www.njhealth.org/YIF2023)

Please share with fellows and early career faculty at your institution



Dear Colleague:

The Eighteenth Annual Respiratory Disease Young Investigators' Forum took place in Denver, CO, October 6-9, 2022. The forum brought together investigators during a formative stage of their career whose research is focused on respiratory disease. A world-class faculty selected 30 of the most compelling abstracts submitted by young investigators (fellows and early career faculty in pediatric, pulmonary, allergy and immunology) from across the country. The young investigators were invited to attend and present their research in a setting in which they were given multiple opportunities for constructive feedback and also to compete for top honors.

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 and reinforce their desire for a career in research in respiratory and related disease.

By far, this opportunity is one of the most unique for young investigators to engage with senior faculty. In addition to enhancing the young investigators' ability to successfully present their research ideas and results, the forum's overarching goal is to provide early career development skills that help to create future leaders in respiratory research. In its 18th 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 2022 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 and encourage them to participate in the future.

Wanda Phipatanakul, MD, MS
Boston Children's Hospital
Program Co-Chair

Jennifer Taylor-Cousar, MD, MSCS
National Jewish Health
Program Co-Chair

2022 Expert Faculty

Jessica Bon, MD, MS
University of Pittsburgh School
of Medicine
Pittsburgh, PA

Ravi Kalhan, MD, MS
Northwestern University
Feinberg School of Medicine
Chicago, IL

Lisa Maier, MD
National Jewish Health
Denver, CO

Charles Powell, MD
Icahn School of Medicine at
Mount Sinai
New York, NY

Jesse Roman, MD
Thomas Jefferson University
Philadelphia, PA

Susanna A. McColley, MD
Northwestern University
Feinberg School of Medicine
Chicago, IL

Wanda Phipatanakul, MD, MS
Boston Children's Hospital
Boston, MA

Jennifer Taylor-Cousar, MD, MSCS
National Jewish Health
Denver, CO

Sally Wenzel-Morganroth, MD
University of Pittsburgh School
of Medicine
Pittsburgh, PA

2022 Research Advisors

Laura Crotty Alexander, MD
University of California San Diego
San Diego, CA

Anthony Gerber, MD, PhD
National Jewish Health
Denver, CO

Silpa Krefft, MD, MPH
National Jewish Health
Denver, CO

"The Forum is among the most rewarding conferences I have attended. To hear and feel the enthusiasm of early career investigators as they present their truly novel work and build relationships with their peers is both educational and inspiring as faculty member."

– Ravi Kalhan, MD
(2022 Expert Faculty)

2022 AWARD RECIPIENTS

First Place Basic Science



Andi Hudler, MD

University of Colorado | Aurora, CO

“The Young Investigators’ Forum provided a unique opportunity to receive thoughtful and dedicated feedback on my work, receive mentorship from world leading experts, and to make meaningful connections with colleagues from a multitude of institutions. Hearing about the exceptional science being performed by my colleagues was truly inspiring. Additionally, the lecture series presented by expert faculty was remarkably helpful to provide a framework for moving forward in our scientific careers. This was an incredibly valuable experience that I will carry with me throughout the remainder of my investigative pursuits. The guidance I received at the YIF was invaluable and I am so grateful for the opportunity to participate!”

Research Title: Succinate Induces HIF-1 α and Pro-IL-1 β Expression in Airway Epithelial Cells

“I feel so incredibly honored and humbled to be chosen for an award amongst such a talented group of physician-scientists. My work is a culmination of remarkable mentorship, collaboration, and teamwork within our laboratory, and I feel so incredibly fortunate to have the opportunity to be part of such a fantastic team.”

First Place Clinical Research



Catherine Gao, MD

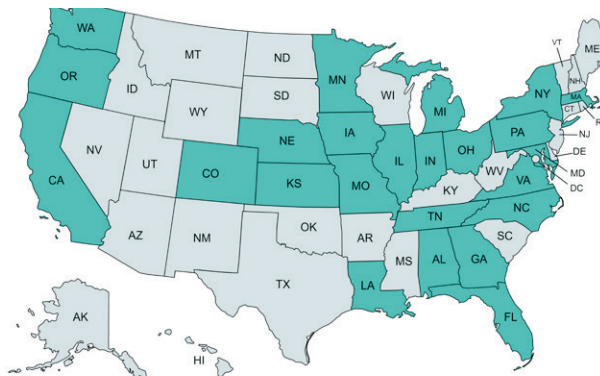
Northwestern Feinberg School of Medicine | Chicago, IL

“This was an incredible experience, and every part of the Forum was well thought-out. It was great to meet colleagues from across the country in a similar position, career-wise, with whom I otherwise would not have had the opportunity to connect with. We had so much close time with senior faculty as well, who were able to give us thoughtful advice backed by years of experience. I was truly awed to see all the work the young investigators presented, and look forward to future collaborations with new friends!”

Research Title: CarpeDiem: Machine Learning Identifies Distinct Clinical States and Trajectories in Patients with Severe Pneumonia Requiring Mechanical Ventilation

“This was a truly unexpected honor. All the young investigators presented wonderful work; I am humbled to receive an award among such extraordinary company. I am thankful for my mentorship team, scientific partners, and lab, and am grateful for the privilege to share our group’s work in this pedagogical setting.”

Young investigators represented all the states shown in green for the last five years



2022 AWARD RECIPIENTS

Second Place Basic Science



Kaveh Moghbeli, MD

University of Pittsburgh Medical Center | Philadelphia, PA

“I had an amazing experience at the Young Investigators’ Forum. It was inspiring and humbling to see all the incredible research my peers are conducting to help people with pulmonary disease. I also received a lot of great feedback and suggestions about my research from both faculty and the other young investigators. Lastly, the best part was getting to meet and get to know everyone. It was a great group of people and I can’t wait to see them in the future and hopefully collaborate with them!”

Research Title: Machine Learning Accurately Classifies the Airway Transcriptome of Chronic Lung Allograft Dysfunction and Identifies Phospholipase A2 as a Potential Biomarker and Therapeutic Target

“It is a sincere honor, primarily because the research was of such a high caliber. Everyone truly presented amazing work and was just as deserving. I am glad I did not have to pick the winners! I am grateful for the award and recognition and to represent the work being done by our group.”

Second Place Clinical Research



Bowa Lee, MD

University of Pittsburgh Medical Center | Pittsburgh, PA

“The Young Investigator’s Forum was truly a unique experience in a small-scale setting to meet inspirational physician-scientist peers. From the individualized practice presentation feedback to the high-quality discussions throughout the conference, the dedication and enthusiasm of the expert faculty were readily apparent. The administrative staff skillfully ensured everything ran smoothly. I felt privileged to be included in this cohort, and I’m excited about the brilliant and motivated next generation of physician-scientists.”

Research Title: Elevated Exhaled Nitric Oxide with Low Airway Epithelial Catalase Expression Predicts a Poorly Controlled Asthma Phenotype

“The talent among the young investigators was impressive, and I am so thankful to be considered part of this group. The work I presented would not have existed without the support and efforts of my mentors, colleagues, and collaborators to whom I am very grateful.”

Post Program Confidence Levels

96%

Presenting scientific research to expert faculty

100%

Articulating strengths/weaknesses of my research

96%

Networking with Peer Researchers

2022 AWARD RECIPIENTS

Third Place Basic Science



Zachary Johnson, DO

Northwestern Feinberg School of Medicine | Chicago, IL

“The Respiratory Disease Young Investigators’ Forum is an amazing opportunity. Like most of the other presenters, I am new to conducting my own research and I have had limited opportunities to present in front of an audience of researchers. I started doing bench research for the first time in fellowship and had never taken all of my research and boiled it down to a concise talk. It is easy to end up wanting to regurgitate data rather than give a concise review of how a project contributes to the existing literature. The Young Investigator’s Forum is an opportunity to present research to a supportive audience and get constructive feedback. This is particularly useful prior to presenting at larger national conferences. The expert faculty are amazing. They all have successful careers as well-funded and published scientists. The Young Investigators’ Forum is small enough that there is plenty of time interacting with individual experts, this is a great way to get larger scope career advice.”

Research Title: Early-Life Hyperoxia is Protective Against Influenza Infection by Inhibition of MCP-1-Mediated Injurious Inflammatory Insult

“I am a young researcher and I still have so much to learn, particularly about basic science. I have spent a lot of time in the lab next to PhDs with a breadth of lab experience. I enjoyed my time with other young physician investigators who understand how steep this learning curve can be. To have won an award for my research was special for me. It felt like a validation of my hard work. It is also an important step for me as I move towards a career as a physician-scientist.”

Third Place Clinical Research



Gabrielle Liu, MD

Northwestern Feinberg School of Medicine | Chicago, IL

“The Young Investigators’ Forum far surpassed my expectations. It was such a valuable opportunity to form relationships with other early-stage physician-scientists who are not only brilliant and doing fantastic research, but also understand what you’re going through in the transition from fellow to new faculty member. I really appreciated that YIF is a small conference with ample time to get to know the other attendees in a relaxed and casual setting. It made meeting and networking with peers and experts in the field feel easy and natural, rather than intimidating and awkward. I also found getting detailed, constructive feedback from a research advisor not familiar with my work to be a unique and invaluable experience.”

Research Title: Imaging Marker of Localized Lung Inflammation is Associated With Future Interstitial Changes and Restrictive Spirometry

“I was blown away by the caliber of research presented at YIF and feel so honored to have been recognized amongst this fantastic group of physician-scientists. I am grateful for the feedback and questions I received from the YIF research advisor, expert faculty and other presenters, which have strengthened my presentation and overall research. Doing research comes with its share of doubt and disappointment, so it feels great to have this boost that makes me feel like I am on the right track.”

Young Investigators report their satisfaction with the Forum:

- **100%** of evaluation respondents reported that they would recommend this program to their colleagues.
- **100%** of evaluation respondents rated the time for networking excellent or good.
- **96%** of evaluation respondents rated the peer presentations excellent or good.
- **96%** of evaluation respondents rated the expert faculty questions and feedback very helpful or helpful.

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RESPIRATORY DISEASE Young Investigators' Forum

CALL FOR RESEARCH ABSTRACTS

**DEADLINE:
JUNE 12, 2023**



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.**

**OCT 19-22, 2023
DENVER, CO**

"This is the best junior faculty development I have participated in to date."

– 2022 Young Investigator