



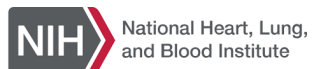
EMORY  
UNIVERSITY  
SCHOOL OF  
MEDICINE



# THE INAUGURAL EMORY PHYSICIAN SCIENTIST

*Symposium*

MAY 17, 2024 AT CONVOCATION HALL



R38HL167243

# AGENDA

8:30 – 9:00am	Registration
9:00 – 9:10am Room 208	<p>Opening Remarks</p> <p>Guido Silvestri, MD Executive Associate Dean for Research Strategy Emory School of Medicine</p>
9:10 – 9:50am Room 208	<p>Finding Synergy at the Physician-Scientist and Host-Microbe Interfaces</p> <p>Victor Nizet, MD Professor of Pediatrics Vice Chair for Basic Science Chief, Division of Host-Microbe Systems and Therapeutics UCSD School of Medicine</p>
9:50 – 10:00am	Break
10:00 – 10:55am	Breakout Session 1
	<ul style="list-style-type: none"> <li>• Panel 1: Navigating a Physician Scientist Career without a PhD             <ul style="list-style-type: none"> <li>• Session Leaders: Vibha Lama, Vikas Sukhatme</li> <li>• Room: Convocation Hall 208</li> </ul> </li> <li>• Panel 2: Manuscript Pitching, Writing &amp; Publishing             <ul style="list-style-type: none"> <li>• Session Leaders: Suresh Ram, Guido Silvestri</li> <li>• Room: Convocation Hall 204</li> </ul> </li> <li>• Panel 3: How to Have Fun <i>and</i> Be Successful as a Physician Scientist             <ul style="list-style-type: none"> <li>• Session Leaders: Todd Golde, Wilbur Lam, Vivien Sheehan</li> <li>• Room: Convocation Hall 210</li> </ul> </li> </ul>
11:00 – 11:55am	Breakout Session 2
	<ul style="list-style-type: none"> <li>• Panel 1: Early Career Grant Opportunities             <ul style="list-style-type: none"> <li>• Session Leaders: Stacy Heilman, Julie Hawk, Henry Blumberg</li> <li>• Room: Convocation Hall 208</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>• <b>Panel 2: Getting Started with Clinical Trials and Building Translational Science Relationships</b> <ul style="list-style-type: none"> <li>• Session Leaders: Nadine Rouphael, Miriam Vos</li> <li>• Room: Convocation Hall 204</li> </ul> </li> <li>• <b>Panel 3: Mentoring the Mentors</b> <ul style="list-style-type: none"> <li>• Session Leaders: Dawn Comeau, Victor Faundez</li> <li>• Room: Convocation Hall 210</li> </ul> </li> <li>• <b>Panel 4: Training Directors Networking &amp; Best Practices</b> <ul style="list-style-type: none"> <li>• Session Leaders: SOM Research Track Directors</li> <li>• Room: Convocation Hall 203</li> </ul> </li> </ul>
12:00 – 1:00pm Room 210	<b>Trainee Mentoring Lunch</b> <i>Pre-Registration Required</i>
1:00 – 1:50pm Room 208	Physician scientist training: A career path with many opportunities through unpredictable pathways
	<p><b>Charles Parkos, MD, PhD</b>  Carl V. Weller Professor and Chair  Department of Pathology  University of Michigan Medical School</p>
1:50 – 2:00pm	<b>Break</b>
2:00 – 2:50pm Room 208	<b>Oral Presentations – Group 1</b>
	<p><b>Valerobetaine is a Microbe-Generated Metabolite that Impacts Epithelial Barrier Integrity in the Colon</b>  <u>Askew, Lauren</u>; Gacasan, Anthony; Barbian, Stefi; Jones, Rheinallt</p> <p><b>Inducible costimulatory molecule is important in the efficacy of Th17 Therapy</b>  <u>Wittling, Megan</u>; Knochelmann, Hannah; Kumarasan, Soundharya; Wyatt, Megan; Cole, Anna; Bennett, Frances; Swisher, Shannon; Paulos, Chrystal</p> <p><b>The CD8+ T Cell Landscape of Human Brain Metastases</b>  <u>Sudmeier, Lisa</u>; Hoang, Kimberly; Nduom, Edjah; Wieland, Andreas; Neill, Stewart; Schniederjan, Matthew; Ramalingam, Suresh; Olson, Jeffrey; Ahmed, Rafi; Hudson, William.</p> <p><b>IgM Antibodies in ALS: Further evidence for immune activation in ALS</b></p>

	<p><u>Thomas, Eleanor V.</u>; McEachin, Zachary T.; Dammer, Eric B.; Trautwig, Adam; Assefa, Ezana; Asress, Seneshaw; Jiang, Jie; Seyfried, Nicholas T.; Glass, Jonathan D.</p>
2:50 – 3:00pm	Break
3:00 – 3:50pm Room 208	<p>Oral Presentations – Group 2</p> <p><b>Redefining Diagnostic Lesional Status in Temporal Lobe Epilepsy with Artificial Intelligence</b>  <u>Gleichgerrcht, Ezequiel</u>; Kaestner, Erik; Hassanzadeh, Reihaneh; Roth, Rebecca W.; Parashos, Alexandra; Davis, Kathryn A.; Bagić, A; Keller, Simon S.; Rüber, Theodor; Stoub, Travis; Pardoe, Heath R.; Dugan, Patricia; Drane, Daniel L.; Abrol, Anees; Calhoun, Vince; Kuzniecky, Ruben I.; McDonald, Carrie R.; Bonilha, Leonardo</p> <p><b>VIPR Antagonism Drives Metabolically Fit, Memory-Rich CAR T Cells for the Treatment of Pancreatic Cancer</b>  <u>Lin, Heather</u>; Blake, Dejah; Wells, Kory; Mudigonda, Abhijay; Liu, William; Evans, Alysa; Goyal, Subir; Liu, Tongrui; Freeman, Ruby; Funk, Christopher; Sinha, Tanisha; Christensen, Elyse; Mahmood, Naeman; Fei, Fan; Heller, Brad; Chun, Paul; Passang, Tenzin; Ravindranathan, Sruthi; Dougan, Jodi; Porter, Christopher; Patgiri, Anupam; Yang, Lily; Waller, Edmund; and Rafiq, Sarwish</p> <p><b>Development of a Novel L-Asparaginase with Reduced Toxicity Utilizing Ancestral Sequence Reconstruction</b>  Knight, Kristopher; Brown, Harrison; White, Kinnede; Spencer, H. Trent; Doering, Christopher and <u>Raikar, Sunil</u></p> <p><b>Compliance Diem: Seize the Evidence for Emergency CT Evaluation of Pediatric Seizures</b>  <u>Bechel, Meagan</u>; Lin, Jenny; Jain, Shobhit; Allen, Kelsey; and Reddy, Kartik</p>
3:50 – 4:00pm Room 208	Closing Remarks
	<p><b>Ann Chahroudi, MD, PhD</b>  Professor and Vice Chair for Basic Science Research and Career Development  Department of Pediatrics, Emory University School of Medicine  Co-Director, Pediatric Residency Investigative Scholars at Emory (PRISE) Program  Co-Director, Emory Center for AIDS Research (CFAR)</p> <p><b>John Roback, MD, PHD</b>  Co-PI, Emory Pediatrics &amp; Pathology Stimulating Access to Research in Residency Program  Professor of Transfusion Medicine  Department of Pathology and Laboratory Medicine</p>

	Emory University School of Medicine
4:00 – 5:00pm Room 210	Poster Session + Reception
4:45pm	Presentation of Oral and Poster Awards

## KEYNOTE SPEAKERS



**Victor Nizet, MD** is Distinguished Professor and Vice Chair for Basic Research and Chief of the Division of Host-Microbe Systems & Therapeutics at the University of California, San Diego (UCSD), School of Medicine as well as Distinguished Professor at UCSD Skaggs School of Pharmacy & Pharmaceutical Sciences. Dr. Nizet leads a basic and translational research laboratory focused on discovering virulence factors of invasive bacterial pathogens, elucidating mechanisms of host innate immunity, and novel approaches to infectious disease therapy. Dr. Nizet authored over 540 peer-reviewed publications and collaborated with several biotechnology interests in developing new antibiotic and immune-based therapies against drug-resistant pathogens. He has longstanding focus areas include cross-disciplinary research and educational program development, enhancing graduate and postdoctoral training, junior faculty development, support of equity, inclusion and diversity initiatives, encouragement of academic-industry collaborations, and public engagement in the sciences. Dr. Nizet's work has been recognized by the E. Mead Johnson Award for Research in Pediatrics, the DC White Award from the Interdisciplinary Research and Mentoring, an NIH Merit Award. Dr. Nizet was elected to the American Society for Clinical Investigation (ASCI), the Association of American Physicians (AAP), the American Academy of Microbiology (AAM), the American Association for the Advancement of Science (AAAS), the American Institute for Medical and Biological Engineering (AIMBE), and the National Academy of Medicine (NAM).



**Charles Parkos, MD, PhD** is the Carl V. Weller Professor and Chair of the Department of Pathology at the University of Michigan Medical School. From 2006 to 2014, Dr. Parkos served as the Director of Emory's MSTP. In 2014, he moved to the University of Michigan Medical School as the Carl V. Weller Chair of Pathology. For over 30 years, he has been a major contributor in modeling the process of leukocyte transepithelial migration and effects on epithelial homeostasis and barrier function as it relates to mucosal inflammation, injury, and repair in the gut. His lab has applied state of the art molecular and protein approaches to complex cell biological systems and defined the roles of multiple receptors that play critical roles in mucosal inflammation/injury including CD11b/CD18, CD47, SIRP alpha, certain members of the JAM family of proteins, ICAM-1, and highly specific glycan-dependent interactions. Recent exciting studies from his group have revealed that epithelial cell tight junction associated receptors (JAM-related) as well as inducible GPCRs play novel and critical roles in epithelial cell migration and wound repair. His lab has shown that chemoattractants such as LTB<sub>4</sub>, thought to only be critical for guiding leukocytes during the injury/inflammatory response play critical roles in the mucosal repair response.

## BREAKOUT SESSIONS

### Session 1

#### Panel 1: Navigating a Physician Scientist Career without a PhD

Room: Convocation Hall 208

Session Leaders:

Vibha Lama, MD – Vice Chair of Research, Department of Medicine

Vikas Sukhatme, MD, ScD – Robert W. Woodruff Professor of Medicine

Description: This session focuses on the diverse paths that can lead to a physician scientist career, with advice and guidance for those interested in such careers who do not currently have extensive research training.

#### Panel 2: Manuscript Pitching, Writing & Publishing

Room: Convocation Hall 204

Session Leaders:

Suresh Ramalingam, MD – Executive Director, Winship Cancer Institute

Guido Silvestri, MD – Executive Associate Dean, Research Strategy

Description: This session reviews the ins and outs of peer-reviewed publishing with particular focus on the questions many early career scholars have about the publishing process.

#### Panel 3: How to Have Fun *and* Be Successful as a Physician Scientist

Room: Convocation Hall 210

Session Leaders:

Todd Golde, MD, PhD – Professor, Department of Pharmacology and Chemical Biology and Neurology

Wilber Lam, MD, PhD – Associate Dean of Innovation, Emory School of Medicine

Vivien Sheehan, MD, PhD – Associate Professor, Department of Pediatrics

Description: This session explores the work/life dynamics of creating and maintaining a physician scientist career.

## Session 2

### Panel 1: Early Career Grant Opportunities

Room: Convocation Hall 208

Session Leaders:

Henry Blumberg, MD – Professor, Division of Infectious Diseases, Department of Medicine

Julie Hawk, PhD – Proposal Development Associate, Director of the Pediatric Research Development Core

Stacy Heilman, PhD – Vice Chair of Research Operations, Department of Pediatrics

Description: This session reviews grants that are open to early career scholars, with a particular focus on NIH grants.

### Panel 2: Getting Started with Clinical Trials and Building Translational Science Relationships

Room: Convocation Hall 204

Session Leaders:

Nadine Roupheal, MD – Professor, Division of Infectious Diseases, Department of Medicine

Miriam Vos, MD – Vice Chair of Clinical Research, Department of Pediatrics

Description: This session explores topics like how to get funding for clinical trials, creating and maintaining industry partnerships, building translational science teams, and Emory-specific considerations.

### Panel 3: Mentoring the Mentors

Room: Convocation Hall 210

Session Leaders:

Dawn Comeau, PhD, MPH – Vice Chair for Faculty Development, Department of Behavioral, Social, and Health Education Sciences, Rollings School of Public Health

Victor Faundez, MD, PhD – Professor and Vice Chair, Department of Cell Biology



Description: This session covers a wide variety of mentoring topics, including setting ground rules, how to approach conflict resolution, when it's time to "let go," and time management for mentors.

#### **Panel 4: Training Directors Networking & Best Practices**

Room: Convocation Hall 203

Session Leaders:

Trainee Research Track Directors across the School of Medicine

Description: This is a networking session for research track leaders. The goal of this session is to facilitate collaborations across physician scientist program leadership. No formal presentations will occur.

## ACKNOWLEDGEMENTS

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Thank you to the [symposium organizing committee](#) and the trainee research programs they represent.

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Ann Chahroudi, MD, PhD, Department of Pediatrics	David Goldsmith, MD, Department of Psychiatry and Behavioral Sciences	Cheryl Meier, MD, PhD, Department of Pathology
John Roback, MD, PhD, Department of Pathology	Rebecca Levit, MD, Department of Medicine	Brian Robinson, MD, PhD, Department of Pathology
Holly Bauser-Heaton, MD, PhD, Department of Pediatrics	Michael Lowe, MD, Department of Surgery	David Yu, MD, PhD, Department of Radiation Oncology
Todd Golde, MD, PhD, Department of Pharmacology		

Thank you to our abstract reviewers.

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David Gutman, MD, PhD	Apama Kesarwala, MD, PhD	Vivien Sheehan, MD, PhD W
Craig Coopersmith, MD	Andrew Miller, MD	Lisa Sudmeier, MD, PhD
Kavita Dhodapkar, MD	Svjetlana Miocinovic, MD, PhD	Robert Taylor, MD, PhD
Clint Joiner, MD, PhD	Andrew Neish, MD	Patricia Zerra, MD
	Anne Piantadosi, MD, PhD	

Finally, thank you to the [staff and vendors](#) who made this event possible.

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Megan Vallowe, PhD	Julie Hawk, PhD	Andrew Shahan (Convocation Hall)
April Wells	Joshua Jackson, PhD	Haylee Fisher (Convocation Hall)
Maryam Ehteshami, PhD	Kymry Jones, PhD	The Recording Service, LLC
Mary Anne Geryak, MS	Kevin Loop-Tapp	Proof in the Pudding
Gillian Glauber	Tracy Willoughby, MPH	
Debra Hamilton, MA, PsyS		