



DREXEL UNIVERSITY

College of

Medicine

# 2024 Faculty Awards

*Thursday, June 6, 2024*  
*Presented by the Office of Faculty*

# 2024 Faculty Award Nominees

<b>Angelo Pinto Educator Award Nominees</b>		
Stephen Jennings, PhD	Professor of Microbiology & Immunology	Drexel University College of Medicine
Folasade Kehinde, MD, MPH	Associate Professor of Pediatrics	Drexel University College of Medicine at Tower Health, St. Christopher's Hospital for Children
David Matson, DO	Associate Professor and Interim Academic Chair of Anesthesiology & Perioperative Medicine	Drexel University College of Medicine at Tower Health, Reading Hospital – Tower Health
Sunil Verma, MD	Associate Professor of Psychiatry	Drexel University College of Medicine at Tower Health
Adrienne Willard, MD	Associate Professor of Medicine	Drexel University College of Medicine
<b>Award for Excellence in Basic Science Mentoring Nominees</b>		
Wen-Jun Gao, MD, PhD	Professor of Neurobiology & Anatomy	Drexel University College of Medicine
Pooja Jain, PhD	Professor of Microbiology & Immunology	Drexel University College of Medicine
<b>Clinical Educator Award Nominees</b>		
Michael Babich, MD	Associate Professor of Medicine	Allegheny Health Network
Stacy Ellen, DO	Associate Professor of Pediatrics	Drexel University College of Medicine, St. Christopher's Hospital for Children
Greg Ferenchak, MD	Associate Professor of Family, Community & Preventive Medicine	Allegheny Health Network
Matthew Hartman, MD	Associate Professor of Radiologic Sciences	Allegheny Health Network
Nicholas Huynh, MD	Assistant Professor of Family, Community & Preventive Medicine	Kaiser Permanente – Bay Area

<b>Clinical Educator Award Nominees (cont.)</b>		
Lauren Mathos, DO	Assistant Professor of Medicine	Allegheny Health Network
Lisa Motz, MD	Associate Professor of Medicine	Drexel University College of Medicine at Tower Health, Reading Hospital – Tower Health
Ari Reichstein, MD	Assistant Professor of Surgery	Allegheny Health Network
Kristen Ryczak, MD	Assistant Professor of Family, Community & Preventive Medicine	Drexel University College of Medicine
Mary Lynn Sealey, MD	Associate Professor of Medicine	Allegheny Health Network
<b>Daniel V. Schidlow, MD, Transformational Leadership Award Nominees</b>		
Susan Manzi, DO, MPH	Professor of Medicine	Allegheny Health Network
Ramesh Raghupathi, PhD	Professor of Neurobiology & Anatomy	Drexel University College of Medicine
Robert Sataloff, MD	Professor and Chair of Otolaryngology – Head and Neck Surgery	Drexel University College of Medicine
<b>Drexel Univ. College of Medicine Diversity and Inclusion Impact Award Nominees</b>		
Tajh Ferguson, MD	Assistant Professor of Obstetrics & Gynecology	Allegheny Health Network
Nathalie May, MD	Associate Professor of Medicine	Drexel University College of Medicine
Liang Qiang, MD, PhD	Assistant Professor of Neurobiology & Anatomy	Drexel University College of Medicine
<b>Drexel University College of Medicine Institutional Service Award Nominees</b>		
Seema Baranwal, MD	Associate Professor of Medicine	Drexel University College of Medicine
Theresa Connors, MS	Instructor of Neurobiology & Anatomy	Drexel University College of Medicine

<b>Drexel University College of Medicine Institutional Service Award Nominees (cont.)</b>		
Ogechukwu Menkiti, MD	Professor of Pediatrics	St. Christopher's Hospital for Children
Todd Strohlic, VMD, PhD	Associate Professor of Biochemistry & Molecular Biology	Drexel University College of Medicine
<b>Early Career Basic Science Investigator Award Nominees</b>		
Simon Danner, PhD	Assistant Professor of Neurobiology & Anatomy	Drexel University College of Medicine
Srinivas Somarowthu, PhD	Assistant Professor of Biochemistry & Molecular Biology	Drexel University College of Medicine
<b>Early Career Clinical Scientist Award Nominees</b>		
Casey Allen, MD	Assistant Professor of Surgery	Allegheny Health Network
Shahin Ayazi, MD	Assistant Professor of Surgery	Allegheny Health Network
Ryan DeSanti, DO	Assistant Professor of Pediatrics	St. Christopher's Hospital for Children
Tarun Sharma, MD	Assistant Professor of Medicine	Allegheny Health Network
Matthew Shepard, MD	Assistant Professor of Neurosurgery	Allegheny Health Network
<b>Early Career Mentoring Award for Basic Science Faculty Nominee</b>		
Roshell Muir, PhD	Assistant Professor of Family, Community & Preventive Medicine	Drexel University College of Medicine
<b>Early Career Mentoring Award for Clinical Faculty Nominees</b>		
Shemeica Binns, MD	Assistant Professor of Family, Community & Preventive Medicine	Drexel University College of Medicine
Rita Guevara, MD	Associate Professor of Pediatrics	Drexel University College of Medicine, St. Christopher's Hospital for Children

<b>Early Career Mentoring Award for Clinical Faculty Nominees</b> <i>(cont.)</i>		
Deeksha Jandhyala, MD	Assistant Professor of Neurology	Allegheny Health Network
Michael Lucke, MD	Assistant Professor of Medicine	Allegheny Health Network
Aniruddha Singh, MD, MBA	Assistant Professor of Medicine	Drexel University College of Medicine at Tower Health
Alexander Whiting, MD	Assistant Professor of Neurosurgery	Allegheny Health Network
<b>Elias Abrutyn Mentoring Award for Clinical Faculty Nominees</b>		
Martin Herman, MD	Professor and Interim Chair of Orthopedic Surgery and Pediatrics	St. Christopher's Hospital for Children
James B. Reilly, MD, MS	Professor of Medicine	Allegheny Health Network
<b>Emerging Clinical Leader and Innovation Award Nominees</b>		
Zhabiz Kazeminezhad, MD	Assistant Professor of Psychiatry	Drexel University College of Medicine at Tower Health
Emily Souder, MD	Assistant Professor of Pediatrics	St. Christopher's Hospital for Children
Emily Spengler, MD	Assistant Professor of Pediatrics	St. Christopher's Hospital for Children
Lindsay Turner, MD	Associate Professor of Obstetrics & Gynecology	Allegheny Health Network
<b>Emerging Leader in Community Outreach Award Nominees</b>		
Amit Bhargava, MD, MBA	Assistant Professor of Medicine	Allegheny Health Network
Greg Casey, DO	Assistant Professor of Emergency Medicine	Crozer-Chester Medical Center
Mary Ann Comunale, EdD, MS	Associate Professor of Microbiology & Immunology	Drexel University College of Medicine
Lynn McGowan, DO	Assistant Professor of Emergency Medicine	York Hospital (WellSpan)

<b>Emerging Leader in Community Outreach Award Nominees</b> <i>(cont.)</i>		
Kaitlin O'Malley, MD	Assistant Professor of Family, Community & Preventive Medicine	Drexel University College of Medicine
Nicole Sacca Izzo, DO	Assistant Professor of Medicine	Allegheny Health Network
<b>Faculty Professional Development, Sponsorship and Allyship Award Nominees</b>		
Nitin Bhanot, MD, MPH	Professor of Medicine	Allegheny Health Network
Nicole Sacca Izzo, DO	Assistant Professor of Medicine	Allegheny Health Network
Renee Turchi, MD	Professor and Academic Chair of Pediatrics	Drexel University College of Medicine
<b>Julian Marsh Faculty Scholar Award Nominees</b>		
David Bennett, PhD	Professor of Psychiatry	Drexel University College of Medicine, St. Christopher's Hospital for Children
Alessandro Fatatis, MD, PhD	Professor of Pharmacology & Physiology	Drexel University College of Medicine
Kevin Kelly, MD, PhD	Professor of Neurology	Allegheny Health Network
Michael Nonnemacher, PhD	Professor of Microbiology & Immunology	Drexel University College of Medicine
<b>Mid-Career Basic Science Investigator Award Nominees</b>		
Peter Gaskill, PhD	Associate Professor of Pharmacology & Physiology	Drexel University College of Medicine
Fred Krebs, PhD	Associate Professor of Microbiology & Immunology	Drexel University College of Medicine

<b>Mid-Career Clinical Scientist Award Nominee</b>		
Thomas Walsh, MD	Associate Professor of Medicine	Allegheny Health Network
<b>Oksana Korzeniowski Patient Care Award Nominees</b>		
Tom Robertson, MD	Assistant Professor of Medicine	Allegheny Health Network
Erin Lavelle, MD	Associate Professor of Obstetrics & Gynecology	Allegheny Health Network
Kheyandra Lewis, MD	Assistant Professor of Pediatrics	St. Christopher's Hospital for Children



# 2024 Faculty Award Winners

# Excellence in Education

## CLINICAL EDUCATOR AWARD

Rank: Assistant or Associate Professor

This award is presented to a faculty member at the rank of assistant or associate professor who has demonstrated commitment and excellence to the education of phase two and three medical students through innovative educational programs, serving as a teacher, an educational leader, a mentor and a role model to students and colleagues.

### PRESENTED TO:

**Jeffrey Andal, MD, Assistant Professor of Medicine, Kaiser Permanente-Bay Area**

*Nominated by: Syed Ejaz, MD, Associate Professor and Director of GME/UME*

Dr. Andal is the inaugural clerkship director for inpatient medicine at Kaiser Permanente-Bay Area. In this role, he has been instrumental in the

success of Drexel student education, collaborating with other departments to continuously improve the learning experience. He has provided ongoing assessment of educational offerings and served as a sought-after mentor and educator. Dr. Ejaz describes Dr. Andal as playing a critical role in fostering student wellness while providing an ideal mix of autonomy and guidance to College of Medicine students.

### PRESENTED TO:

**Daniel Fischman, MD, MMM, Clinical Associate Professor of Medicine, York Hospital (Wellspan)**

*Nominated by: Michael Bohrn, MD, Associate Dean, Wellspan York Hospital Regional Medical Campus*

In his role as inpatient medicine clerkship director, Dr. Fischman engages in the education of the full spectrum of learners including medical students, residents and peers. As he develops innovative programming, he works to improve the learning environment, incorporating feedback from students, residents and faculty. In his nomination letter, Dr. Bohrn says Dr. Fischman “actively seeks to help others attain their academic and professional goals” and “truly cares about the students and other learners with whom he works.”

### PRESENTED TO:

**Janet Fitzpatrick, MD, Clinical Associate Professor of Medicine**

*Nominated by: Nathalie S. May, MD, Associate Professor of Medicine and Medical Director, Drexel Internal Medicine*

Dr. Fitzpatrick has served as director of the Junior Medicine Clerkship since 2008 and



as director of the Senior Medicine Pathway since 2012. She is a devoted mentor who guides all students through the clinical years of their training, especially those interested in matching in internal medicine. She has undertaken efforts to enhance the feedback students receive from seasoned physicians. She is also working to devise best practices to handle student absences, which she will present at a national conference this year. Dr. May describes Dr. Fitzpatrick as someone who has “devoted her career to teaching and mentoring our students.”

## ANGELO PINTO EDUCATOR AWARD

Rank: Associate Professor or Professor

This award is presented to a faculty member at the rank of associate professor or professor who has demonstrated commitment and excellence to the education of graduate students and/or phase one medical students (MS1 and MS2) through innovative educational programs, serving as a teacher, an educational leader, a mentor and a role model to students and colleagues.





**PRESENTED TO:**

**Caitlin Howe, PhD, Associate Professor of Neurobiology & Anatomy**

*Nominated by: Itzhak Fischer, PhD, Professor and Chair of Neurobiology & Anatomy*

Dr. Howe has served as course director, co-course director and thread director of a number of key MD student courses, including

Gross Anatomy, Human Structure and Function 2 and Embryology. She co-developed the Reflection on Dissection medical humanities course. She has mentored a number of medical students and acted as a faculty advisor for student groups. Dr. Fischer highlighted Dr. Howe’s efforts to create an at-home dissection experience for students during the COVID-19 pandemic. He described her as “passionate about creating quality educational materials and introducing innovative technology in medical education.”

**JUNE KLINGHOFFER CLINICAL EDUCATOR AWARD**

Rank: Professor

This lifetime achievement award recognizes a faculty member at the rank of professor who has devoted their career to promoting excellence in clinical skills education and knowledge, serving as an innovative educator, a leader and a role model for students, residents and faculty colleagues.



**PRESENTED TO:**

**Kalathil Sureshkumar, MD, Professor of Medicine, Allegheny Health Network**

*Nominated by: Khaled Nashar, MD, Associate Professor of Medicine*

Dr. Sureshkumar has held numerous key roles as a clinician and educator. His leadership in the Nephrology Fellowship program at

Allegheny Health Network has resulted in his mentorship of more than 75 fellows and dozens of junior faculty. He initiated a board review series

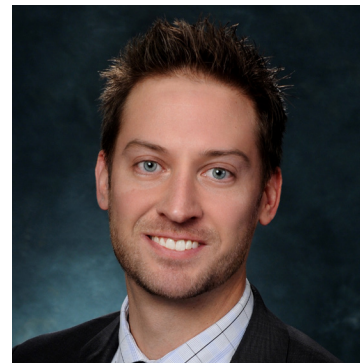
that contributed to the fellowship program’s 100% board passing rate. Dr. Sureshkumar is also a dedicated clinician with a reputation as the “go-to person for difficult cases,” according to Dr. Nashar, who notes that Dr. Sureshkumar “always provides very insightful and practical approaches to complex clinical situations,” describing him as “an exemplary clinician-educator.”

*Excellence in Research and Scholarship*

**EARLY CAREER BASIC SCIENCE INVESTIGATOR AWARD**

Rank: Assistant Professor

This award is presented to an assistant professor, recognizing a promising and outstanding evolving investigator in the early stages of their career. Basic science faculty at the assistant professor rank with tenure-track appointments are eligible. The chair of a basic science department or tenured faculty members may submit nominations for this award.



**PRESENTED TO:**

**Edward Hartsough, PhD, Assistant Professor of Pharmacology & Physiology**

*Nominated by: Olimpia Meucci, MD, PhD, Professor and Chair of Pharmacology & Physiology*

Dr. Hartsough’s research, which features a strong translational approach, aims to

overcome the mechanisms that drive cancer metastasis and therapeutic resistance. He has had important findings published in high-impact journals including *Cancer Discovery*, *Cell Reports*, *Cancer Research*, and *Cell Death and Disease*. In nominating Dr. Hartsough, Dr. Meucci wrote that he is “the driver of an innovative and respected research program” who is also a dedicated educator committed to serving Drexel across its missions.

## EARLY CAREER CLINICAL SCIENTIST AWARD

Rank: Assistant Professor

This award is presented to a faculty member at the rank of assistant professor who has made contributions to the field(s) of biomedical research, educational research, quality improvement, community engagement and/or health care research, with consideration of funding, scholarly productivity and emerging research leadership.



### PRESENTED TO:

**Nathan Shively, MD, Assistant Professor of Medicine, Allegheny Health Network**

*Nominated by: Nathan Bhanot, MD, MPH, Professor of Medicine*

Dr. Shively has been a force for antimicrobial stewardship, which reduces the inappropriate use of antimicrobials to minimize adverse drug

events, lower rates of C. diff infection and reduce drug resistance, within the Allegheny Health Network and beyond. He co-developed a telehealth-based model for antimicrobial stewardship to train non-infectious disease experts in this valuable skill. He has also piloted outpatient antimicrobial stewardship programs, published key findings and presented widely on the topic. Dr. Bhanot described Dr. Shively as an “enthusiastic, brilliant and committed physician.”

## MID-CAREER BASIC SCIENCE INVESTIGATOR AWARD

Rank: Associate Professor

This award recognizes a faculty member at the rank of associate professor who is an outstanding and established investigator in a basic science field and displays promise for future accomplishments and leadership. Basic science faculty at the rank of associate professor with tenure-track appointment or tenure are eligible. The chair of a basic science department or tenured faculty members may submit nominations for this award.



### PRESENTED TO:

**Kimberly Dougherty, PhD, Associate Professor of Neurobiology & Anatomy**

*Nominated by: Itzhak Fischer, PhD, Professor and Chair of Neurobiology & Anatomy*

Dr. Dougherty is one of few researchers in the world investigating mechanisms of spinal cord injury and recovery at the level

of molecularly identified neurons and spinal circuits. Her work, which is highly collaborative in nature, has been published in high-impact journals such as *Neuroscience*, *eLife* and *Current Reviews in Neurobiology*. Her commitment as an educator is clear from her participation on many thesis committees and her membership in and leadership of key Neuroscience program committees. Dr. Fischer’s nomination letter says that Dr. Dougherty “displays great promise for future accomplishments and leadership.”

## MID-CAREER CLINICAL SCIENTIST AWARD

Rank: Associate Professor

This award is presented to a faculty member at the associate professor rank who is an outstanding and established investigator who has made significant contribution(s) to the field(s) of biomedical research, educational research, quality improvement, community engagement and/or health care research, as evidenced by funding, scholarly productivity and research leadership.



### PRESENTED TO:

**Alison Carey, MD, Associate Professor of Pediatrics**

*Nominated by: Renee Turchi, MD, MPH, Professor and Academic Chair of Pediatrics*

Dr. Carey’s research explores the immune system of the neonate, specifically the mechanisms and potential modifiable risk factors for infants’



susceptibility to infections. She has been continuously funded throughout her time at Drexel, receiving grants from governmental and foundation sources, including a prestigious Hartwell Foundation grant. Her highly collaborative research has been published in the *Journal of Immunology*, *Frontiers in Immunology*, *PLoS Pathogens* and *Mucosal Immunology*. Dr. Turchi's nomination letter states, "Her innovative and strategic approach reflects her nature as a caring and determined scientist and clinician."

### **JULIAN MARSH FACULTY SCHOLAR AWARD**

Rank: Professor

This prestigious award is presented to a faculty member at the rank of professor who has demonstrated excellence in clinical or basic scientific research. Additionally, the candidate has achieved national/international recognition, demonstrated outstanding teaching skills, mentored students as well as peers and provided consistent, high-quality leadership to the medical school, thereby creating a better environment for all faculty and students.



#### **PRESENTED TO:**

**Rodrigo España, PhD, Professor of Neurobiology & Anatomy**

*Nominated by: Itzhak Fischer, PhD, Professor and Chair of Neurobiology & Anatomy*

Dr. España's research explores the neural basis of behavior, including the role of peptides in the regulation of behavior. His work has been

continuously funded by the National Institute on Drug Abuse since 2008. He has also been an enthusiastic educator, mentoring his own students and serving as a leader in the Neuroscience PhD program as a member and chair of the program's Admissions Committee. Dr. Fischer cites Dr. España's "significant scientific achievements, strong and productive research program, independent funding, and support of our research and educational missions" as qualities that make him an ideal candidate for this award.

## *Excellence in Patient Care*

### **EMERGING CLINICAL LEADER AND INNOVATION AWARD**

Rank: Assistant or Associate Professor

This award recognizes an assistant or associate professor who is a leader and champion, and who exhibits visible leadership abilities to drive innovative advances in patient safety or quality improvement initiatives, leading to creative projects with potential for substantial impact and sustainability.



#### **PRESENTED TO:**

**Mrudula Gadani, MD, Assistant Professor of Medicine, Allegheny Health Network**

*Nominated by: Alexandra Johnston, DO, Assistant Professor of Medicine, and Anastasios Kapetanos, MD, Associate Professor of Medicine*

Dr. Gadani's efforts in quality improvement (QI) and patient safety have had a profound impact

on patients and trainees alike. She has created a quality improvement/patient safety curriculum for residents and mentors them in their own QI projects. She is also committed to teaching with great nuance on a range of challenging topics including the costs and benefits of a given treatment, medical errors, critical thinking and decision-making, and barriers to care. Dr. Johnston's nomination letter notes that "it is impossible to capture the intangible impact that Dr. Gadani has had," and Dr. Kapetanos attests that Dr. Gadani "has positively impacted dozens of trainees and thousands of patients."

## OKSANA KORZENIOWSKI PATIENT CARE AWARD

Rank: Open to all ranks

This award recognizes a faculty member at any stage of their career who demonstrates outstanding skills and commitment in the clinical care of patients and through their teaching has substantially improved the skills and knowledge of residents, students and medical colleagues.



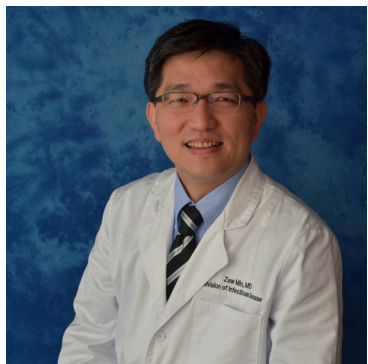
### PRESENTED TO:

**Molly Fisher, MD, Assistant Professor of Medicine, Allegheny Health Network**

*Nominated by: Alexandra Johnston, DO, Assistant Professor of Medicine*

Dr. Fisher developed the women's health program at Allegheny, creating a women's health curriculum for the Internal Medicine

Residency program and faculty development workshops on the subject. She also founded a transgender clinic to serve the needs of Pittsburgh's gender-diverse populations. As an educator, Dr. Fisher has provided students with outstanding mentorship, support and guidance. Dr. Johnston says that Dr. Fisher teaches students to "meet patients where they are, see them for who they are and treat them as they would want their own loved one to be treated."



### PRESENTED TO:

**Zaw Min, MD, Associate Professor of Medicine, Allegheny Health Network**

*Nominated by: Nitin Bhanot, MD, MPH, Professor of Medicine*

Dr. Min has a reputation for going above and beyond with every patient, approaching each clinical scenario with passion and dedication.

His zeal for providing the highest-quality patient care is evident to his patients

and trainees alike. He is also a generous mentor; most of his publications include residents or medical students as coauthors. In nominating him, Dr. Bhanot recalled Dr. Min's generosity during the COVID-19 pandemic, when he took time to find and disseminate the most current information on safety and prevention, and shared scarce protective equipment. Dr. Bhanot notes that Dr. Min has set high standards of clinical excellence for both trainees and faculty, describing his commitment to patient care as "unrelenting."

## WILLIAM LIKOFF CLINICAL EXCELLENCE AWARD

Rank: Professor

This award recognizes a faculty member at the rank of professor with a long-established career whose professionalism, humanity, ethical standards, diagnostic acumen and ability to develop outstanding clinical programs serves



as a role model for those striving for excellence in the practice of medicine.

### PRESENTED TO:

**Gary Ledley, MD, Professor of Medicine, West Reading/Tower Health**

*Nominated by: Nathalie S. May, MD, Associate Professor of Medicine and Medical Director, Drexel Internal Medicine*

In his decades-long career, Dr. Ledley has distinguished himself as an exceptional interventional cardiologist and a compassionate healer. He is also a dedicated educator, having led the Drexel/Hahnemann Interventional Cardiology Fellowship program for many years and then starting a new fellowship program at Tower Health in 2020. Dr. May states that he is often contacted by former trainees for advice about their patients, their careers or their lives, and she describes him as someone "who practices ethically with humility and empathy."

# *Excellence in Mentoring and Leadership*

## **EARLY CAREER MENTORING AWARD FOR BASIC SCIENCE FACULTY**

Rank: Assistant or Associate Professor

This award celebrates early-career basic science faculty at the rank of assistant or associate professor whose actions and activities demonstrate excellence in mentoring of graduate students, postdoctoral trainees, and/or faculty colleagues by creating a supportive, effective environment in one or more of the following areas: research, education and scholarship. This awardee serves as a trusted advisor and role model.



### **PRESENTED TO:**

**Jessica Barson, PhD, Associate Professor of Neurobiology & Anatomy**

*Nominated by: Itzhak Fischer, PhD, Professor and Chair of Neurobiology & Anatomy*

In addition to her role as chair of the Admissions Committee for the Neuroscience PhD program, Dr. Barson has directly mentored

five PhD students and four master's students, six of whom have successfully completed their programs and entered prestigious careers or further training. Dr. Barson participated in the Faculty Launch leadership program, completing a project specifically designed to foster mentorship among female and nonbinary graduate students. Dr. Fischer noted that Dr. Barson has made "remarkable contributions in mentoring and service through her commitment to student and faculty training and well-being."



### **PRESENTED TO:**

**Andreia Mortensen, PhD, Assistant Professor of Pharmacology & Physiology**

*Nominated by: Olimpia Meucci, MD, PhD, Professor and Chair of Pharmacology & Physiology*  
Dr. Mortensen is a sought-after mentor and counselor for students in Drexel's graduate programs. Her former mentees have gone on to

successful careers in industry or additional training at prestigious institutions, and her four current PhD students have received numerous awards and honors. Dr. Meucci describes Dr. Mortensen as "a trusted advisor and role model" who "always offers a helping hand and a listening ear, whether she is working one-on-one with students in the lab, leading lab meetings, or advocating for her students at the departmental and university level."

## **AWARD FOR EXCELLENCE IN BASIC SCIENCE MENTORING**

Rank: Professor

This award recognizes a basic science faculty member at the rank of professor who has demonstrated a long-term commitment to mentorship, career development and scientific growth of mentees beyond the laboratory and classroom, as evidenced by mentee reflections, a record of trainees' productivity, and professional accomplishments. This awardee values diversity and fosters an inclusive mentor/mentee environment



while providing opportunities for their mentees to network, both within the university, within the scientific field and beyond.

### **PRESENTED TO:**

**Patrick Loll, PhD, Professor of Biochemistry & Molecular Biology**

*Nominated by: Mauricio Reginato, PhD, Professor and Chair of Biochemistry & Molecular Biology*



In his more than two decades at Drexel, Dr. Loll has served as a mentor and tireless advocate for more than 150 students and trainees, including undergraduate, medical and graduate students, as well as postdoctoral scholars. His former mentees hold impressive positions in industry and academia. He has sat on more than 60 thesis committees, chairing nearly a third of those. Dr. Reginato's nomination letter notes the successes of Dr. Loll's career as well as those of his advisees, both during their time at Drexel and after graduation: "His achievements, combined with remarkable success of his trainees, clearly illustrate that Dr. Loll is an exceptional teacher and mentor."

### EARLY CAREER MENTORING AWARD FOR CLINICAL FACULTY

Rank: Assistant or Associate Professor

This award celebrates early-career clinical faculty at the rank of assistant or associate professor whose actions and activities demonstrate exceptional commitment and effectiveness as a mentor to medical students, residents and fellows.



#### PRESENTED TO:

**Maxwell Cooper, MD, Assistant Professor of Emergency Medicine and Associate Director, Emergency Medicine Residency, Crozer-Chester Medical Center**

*Nominated by: Mark Saks, MD, PhD, Professor of Emergency Medicine and Director, Emergency Medicine Residency*

Dr. Cooper is the founding director of Crozer-Chester's Point-of-Care Ultrasound Fellowship program. His enthusiasm for this field is evident in the fact that more than 25% of Crozer-Chester emergency medicine residents have gone on to emergency medicine ultrasound fellowships. Dr. Cooper's mentorship extends beyond the field of emergency medicine; he is also closely involved in the education of residents from other specialties and the nursing staff. Dr. Saks describes Dr. Cooper as "the most requested faculty

advisor" and as "treasured by the residents regardless of their long-term career interests."



#### PRESENTED TO:

**Alexandra Johnston, DO, Assistant Professor of Medicine, Allegheny Health Network**

*Nominated by: Anastasios Kapetanos, MD, Associate Professor of Medicine; Lauren Mathos, DO, Assistant Professor of Medicine; Thomas Robertson, MD, Assistant Professor of Medicine; and Mary Lynn Sealey, MD, Associate Professor of Medicine, Assistant Regional Dean of Clinical Education*

In her roles as director of wellness and resident experience and Medicine Institute wellness officer, Dr. Johnston has mentored and ensured the wellbeing of hundreds of residents and attending physicians at Allegheny Health Network. She also provides mentorship for medical students, Drexel Pathway to Medical School graduate students and undergraduate students. She has received numerous awards related to teaching and mentorship, in addition to the four separate nominations she earned for this award. Dr. Sealey's nomination noted that Dr. Johnston "gives of herself 100% to all she does," while Dr. Kapetanos described her as a "mentoring powerhouse."

### ELIAS ABRUTYN MENTORING AWARD FOR CLINICAL FACULTY

Rank: Professor

This award recognizes a clinical faculty member at the rank of professor who has demonstrated excellence in mentoring colleagues, residents and/or students, by creating a supportive, effective environment in one or more of the following areas: research, clinical care, education and scholarship, while advocating for the advancement of their mentees in their chosen discipline and serving as a trusted advisor and role model. This awardee demonstrates a commitment to diversity and promoting a sense of belonging to create an inclusive training environment.

**PRESENTED TO:**



**Susan Manzi, MD, MPH, Professor of Medicine, Allegheny Health Network**

*Nominated by: Donald Whiting, MD, Associate Professor of Medicine, Chief Medical Officer and Allegheny Clinic President*

Dr. Manzi is a pioneer in the field of rheumatology and an international authority on the treatment of systemic lupus

erythematosus who has helped thousands of patients facing the burden of this debilitating condition. Despite her accomplishments and acclaim, she remains unassuming and approachable, serving as an inspiring leader for trainees and colleagues. Dr. Whiting’s nomination letter describes Dr. Manzi as being “as warm as she is skillful,” adding that “being around her offers ceaseless opportunities for learning.”

Dr. Robertson serves as co-director of the RivER Post-Incarceration Clinic, which provides care and support for recently incarcerated individuals, including assisting with the cost of treatment for opioid use disorder. He also was instrumental in the development of Internal Medicine Residency program electives in Guyana and with the Indian Health Service on a Navajo reservation in Arizona, allowing residents to spend four weeks in resource-limited clinics. Attendees have described these experiences as life changing. Dr. Johnston’s nomination letter states that Dr. Robertson “has shown a deep commitment to serving the most vulnerable in marginalized populations in his community.”

**VINCENT ZARRO COMMUNITY OUTREACH AWARD**

Rank: Associate Professor or Professor

This award recognizes a faculty member at the rank of associate professor or professor whose exemplary and selfless commitment to the care of members of medically underserved communities serves as the standard for medical students seeking to embrace and provide high quality care to all regardless of age, race, socioeconomic class, gender, sexual orientation, ethnicity or religion and to be an advocate for uniform access to health care.

*Excellence in Community Outreach*

**EMERGING LEADER IN COMMUNITY OUTREACH AWARD**

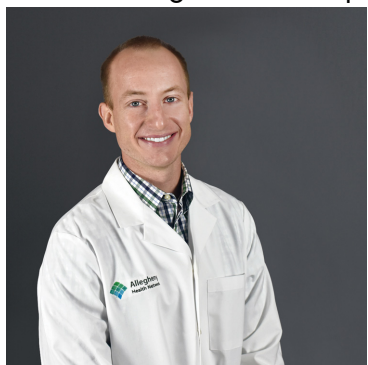
Rank: Assistant or Associate Professor

This award recognizes a faculty member at the rank of assistant or associate professor who demonstrates emerging leadership in health equity, community advocacy, outreach in science education, and/or encouragement of equity and inclusion in STEM fields. The awardee exhibits emerging leadership in outreach, influencing outcomes and making impact in our communities.

**PRESENTED TO:**

**Thomas Robertson, MD, Assistant Professor of Medicine, Allegheny Health Network**

*Nominated by: Alexandra Johnston, DO, Assistant Professor of Medicine*



**PRESENTED TO:**

**Margaret Larkins-Pettigrew, MD, MEd, MPPM, Professor and Academic Chair of Obstetrics & Gynecology**

*Nominated by: James B. Reilly, MD, Professor of Medicine and Regional Dean/DIO, Allegheny Health Network*



Dr. Larkins-Pettigrew’s entire career has been dedicated to the care of medically underserved communities, with efforts too numerous to mention. At Allegheny, she served as a highly visible member of the vaccination team during the COVID-19 pandemic, working in clinics in marginalized communities to promote the importance of vaccination. She created First Steps and Beyond, a community-based program that has already reduced Black infant mortality in Allegheny County by nearly 10%.



Dr. Larkins-Pettigrew also volunteers much of her own time with organizations that foster equity in health care. Dr. Reilly describes her as “on a mission to serve her community to make people the healthiest they can be.”

## *Excellence in Diversity and Inclusion Impact*

### **DREXEL UNIVERSITY COLLEGE OF MEDICINE DIVERSITY AND INCLUSION IMPACT AWARD**

Rank: Open to all ranks

This award recognizes a faculty member at any rank who has demonstrated a strong commitment to diversity, has made significant contributions to promoting inclusivity in the community, and who has driven intentional impact in the areas of diversity, inclusion and health equity at the College of Medicine.

#### **PRESENTED TO:**

**Rita Guevara, MD '12, Associate Professor of Pediatrics, Assistant Dean of Diversity, Equity & Inclusion**

*Nominated by: Daniel Taylor, DO, Professor of Pediatrics*

Dr. Guevara earned her MD from Drexel in 2012 after completing the Drexel Pathway to Medical

School program in 2008. She also did postgraduate training at St. Christopher's Hospital for Children, staying on as an attending after her residency. Throughout her time at Drexel and St. Chris, she has been a fierce advocate for equity and inclusion, with a particular interest in assuring that patients with limited English proficiency receive equitable care. Dr. Taylor's nomination letter states, “I can think of no other physician who has demonstrated such a strong commitment to diversity, who has made such significant contributions to promoting inclusivity in the community, and who has driven intentional impact in the areas of diversity, inclusion and health equity at the College, hospital and our region.”

## *Excellence in Mentoring and Leadership*

### **DREXEL UNIVERSITY COLLEGE OF MEDICINE INSTITUTIONAL SERVICE AWARD**

Rank: Open to all ranks

This award honors faculty members at any rank who consistently share their time and experience in service to internal committees, task forces and other institutional activities that have made a significant impact on the Drexel University College of Medicine community.



#### **PRESENTED TO:**

**Sandhya Kortagere, PhD, Professor of Microbiology & Immunology**

*Nominated by: Brian Wigdahl, PhD, Professor and Chair of Microbiology & Immunology*

Dr. Kortagere came to Drexel in 2008 and has served on numerous institutional committees, including the Dean's 5-Year Review Committee,

the University Advisory Council, the Cell and Gene Therapy Program Steering Committee, the Sabbatical Committee, the Strategic Planning 2030 Implementation Committee and the Faculty Senate. She has also served as a Provost Solutions Fellow and completed the Executive Leadership in Academic Medicine program for women in 2024. Dr. Wigdahl's nomination letter additionally describes her research excellence and many successful collaborations, noting that her exemplary performance in service, education, research and administration has been felt throughout the College of Medicine and the University.

## FACULTY PROFESSIONAL DEVELOPMENT, SPONSORSHIP AND ALLYSHIP AWARD

Rank: Open to all ranks

This award is presented to a faculty member at any rank who has made outstanding contributions to the career growth of colleagues with a focus on strategic career planning, allyship, sponsorship, and/or creation of faculty development programming in their department, institution or professional organization.



### PRESENTED TO:

***Simon Giszter, PhD, Professor of Neurobiology & Anatomy***

*Nominated by: Itzhak Fischer, PhD, Professor and Chair of Neurobiology & Anatomy*

Dr. Giszter has a strong history of fostering the development of colleagues throughout his three decades at Drexel. He is known in his

department and beyond as a supportive colleague and willing mentor and ally. His leadership of the Marion Murray Spinal Cord Research Center has been an illustration of his dedication to the values of collaboration, diversity and inclusion. Dr. Fischer's nomination letter says, "Simon is an active participant across the many activities promoting inclusivity and diversity at the College of Medicine, and seeks to engage, support and build bridges in each area and across the campus."

## DANIEL V. SCHIDLOW, MD, TRANSFORMATIONAL LEADERSHIP AWARD

Rank: Professor

This award recognizes a faculty member at the rank of professor who exhibits substantial leadership to transform and make change through example and articulates an energizing vision. This faculty member encourages, inspires, mentors and sponsors a diverse, inclusive and equitable next generation of



clinicians, scientists, educators and staff. This transformational faculty leader motivates members of the institution to innovate and create change that will help grow and shape the future success of the institution.

### PRESENTED TO:

***Kenny Simansky, PhD, Senior Vice Dean for Research***

*Nominated by: Mauricio Reginato, PhD, Professor and Chair of Biochemistry & Molecular Biology*

Dr. Simansky has been with Drexel since 1982, rising to the roles of vice dean for research in 2006 and senior vice dean for research in 2020. Dr. Simansky's role in partnering with Thomas Jefferson University to create the Sidney Kimmel Cancer Center Research Consortium, and his ongoing efforts to champion the consortium and grow Drexel's presence within it, as well as his instrumental efforts in the consortium's obtaining comprehensive status from the National Cancer Institute, were all cited by Dr. Reginato in his nomination. Dr. Reginato described Dr. Simansky's impact as "transformative for both our College of Medicine and the University as a whole."

## *2024 Mary DeWitt Pettit, MD, Fellowship*

Originally established jointly by the Trust Fund of the Alumnae/i Association of WMC/MCP and the estate of Mary DeWitt Pettit, MD, and donated by the Trust Fund to Drexel University in 2015, this \$10,000 fellowship supports research or other special projects of junior female faculty members at the Drexel University College of Medicine.

The fellowship is intended to provide the recipient with the opportunity to acquire additional credentials necessary to advance in academic rank. Applicants are encouraged to address an area of particular interest to the donor, for example, but not limited to: general women's health or OB/GYN, mother and child/children or family issues, or medical education.

### **THE 2024 FELLOWSHIP RECIPIENTS ARE:**

*Katherine Innamorati, PhD*

*Instructor, Microbiology & Immunology*

*Project title: Development of a Companion  
Molecular Diagnostic Panel for Bacterial Vaginosis  
to Enhance Treatment Efficacy*



*Amy C. Ott, PhD*

*Instructor, Microbiology & Immunology*

*Project Title: Comparative Immunogenicity  
and Efficacy of Two Unique mRNA-based  
Malaria Vaccines*



# 2024 Faculty Professional Development Day

## *Agenda and Speakers*

# 2024 Faculty Professional Development Day

## AI HORIZONS: INNOVATION ACROSS MISSIONS IN ACADEMIC MEDICINE

Thursday, June 6, 2024, from 11:30 a.m. to 5 p.m.  
Health Sciences Building

### AGENDA

10:30 – 11:30 a.m.	Registration
11:30 – 11:40 a.m.	Dean’s Welcome
11:40 – 12:15 p.m.	Presentation of Faculty Awards
12:15 – 1 p.m.	Lunch
1 – 2:30 p.m.	<p><b>Plenary Talk and Workshop: Understand AI and Key Elements of an AI Strategy from the Bench to Bedside for Clinical Applications</b></p> <ul style="list-style-type: none"> <li>• <b>Madhu Mazumdar, PhD</b> – Director, Institute for Healthcare Delivery Science, Mount Sinai Health System</li> </ul>
2:30 – 2:45 p.m.	Break
2:45 – 3:45 p.m.	<p><b>Panel Discussion – AI in Health Care</b></p> <ul style="list-style-type: none"> <li>• <b>Moderator: Jessica Ausborn, PhD</b> – Assistant Professor, Department of Neurobiology &amp; Anatomy</li> <li><b>Panelists:</b></li> <li>• <b>Charles B. Cairns, MD</b> – Walter H. and Leonore Annenberg Dean of the College of Medicine and Senior Vice President for Medical Affairs at Drexel University</li> <li>• <b>Subha Airan-Javia, MD</b> – Associate Professor of Clinical Medicine, Perelman School of Medicine University of Pennsylvania, and founder of CareAlign</li> <li>• <b>Aniruddha Singh MD, FACC, FNLA</b> – Program Director, Cardiovascular Fellowship at Tower Health; Associate Professor, Drexel University College of Medicine</li> <li>• <b>Edward Kim, PhD</b> – Associate Professor, Department of Computer Science, Drexel University</li> <li>• <b>Leah Livingston, MSc, BSN</b> – Senior Data Scientist, Elsevier</li> </ul>
3:45 – 4 p.m.	Break

4 – 5 p.m.

### Panel Discussion – AI in Innovative Educational Delivery

- **Moderator: James B. Reilly, MD, MS** – Senior Vice President, Academic Affairs and Designated Institutional Official, Graduate Medical Education, Allegheny Health Network
- Panelists:**
- **Marylyn D. Ritchie, PhD, FACMI** – Vice Dean of Artificial Intelligence and Computing; University of Pennsylvania, Perelman School of Medicine; Vice President for Research Informatics, UPHS
- **Dhiresha Kudithipudi, PhD** – Robert F. McDermott Endowed Chair in Engineering and Professor, Departments of Electrical and Computer Engineering and Computer Science, University of Texas at San Antonio; Founding Director, MATRIX AI Consortium for Human Well-Being
- **Verity Schaye, MD** – Associate Professor, Department of Medicine at NYU Grossman School of Medicine; Assistant Dean for Education in the Clinical Sciences; Assistant Director, Curricular Innovation in Medical Innovation
- **Daniel A. Hashimoto, MD** – Assistant Professor of surgery at the Hospital of the University of Pennsylvania and Director, Penn Computer Assisted Surgery and Outcomes (PCASO) Lab



# 2024 Faculty Professional Development Day

## Speaker Bios

### SESSION 1

*Plenary Talk and Workshop: Understand AI and Key Elements of an AI Strategy from the Bench to Bedside for Clinical Applications*

#### Madhu Mazumdar, PhD

Dr. Mazumdar is Director of the Institute for Healthcare Delivery Science at the Mount Sinai Health System and is a Professor of Biostatistics at the Center of Biostatistics, Department of Population Health Science and Policy. She also directs the Biostatistics Core of Tisch Cancer Institute.



Dr. Mazumdar developed methodologies for detecting publication bias in meta-analysis; for adjusting selection bias in clinical trials; for allowing interim looks at data in clinical trials comparing diagnostic tests; for developing and validating quality of life questionnaire; and for estimating misclassification rate of responders when oncologic response criteria were changed. Her collaborative research resulted in personalized treatment regimen for various cancer types and orthopedic surgeries. Her work also changed guidelines for staging cancer and practice guidelines for use of anesthetics. She developed innovative interdisciplinary educational and research programs, in collaboration with various clinical departments that increased productivity through grantsmanship and augmented clinical revenue through improved care delivery. Working within inter-disciplinary teams, she has trained more than 50 biostatisticians, epidemiologists, and clinical researchers, many of whom are leading quantitative science units today.

### SESSION 2:

*Panel Discussion: AI in Healthcare*

#### **Moderator:**

#### Jessica Ausborn, PhD

Jessica Ausborn, PhD is an Assistant Professor in the Neurobiology and Anatomy Department at Drexel University College of Medicine. Dr. Ausborn leads a computational neuroscience group focused on understanding the neurophysiological mechanisms of how neural networks process and encode activity to generate and select diverse and flexible behaviors. Her group develops data-driven computational models to understand nervous system function, often in interdisciplinary collaborations with leading experimentalists in the field. These models facilitate the interpretation and investigation of experimental data that are often too complex to understand without a rigorous computational framework. The circuits Dr. Ausborn studies effortlessly perform tasks that are still surprisingly complex for AI to replicate. Dr. Ausborn hopes that her work and that of her colleagues will lead to a more rigorous understanding of neural circuit computation, which could provide vital inspiration for AI advances in the future.



#### **Panelists:**

#### Charles B. Cairns, MD, FACEP, FAAEM, FAHA, FAAAS

Charles B. Cairns, MD, is the Walter H. and Leonore Annenberg Dean of the College of Medicine and Senior Vice President for Medical Affairs at Drexel University. Dr. Cairns is a leader in health education, training





and research. He has been leading Drexel through partnerships with St. Christopher's Hospital for Children and Salus University; new regional clinical campuses in Delaware, Pennsylvania and California; and the opening of the four-year regional medical campus of the College of Medicine at Tower Health in Reading, Pa., as well as the new interprofessional Health Sciences campus in Philadelphia. These efforts have resulted in record student applications, student enrollment and extramural research funding.

In addition to developing and leading novel medical and interprofessional health education and training programs, Dr. Cairns has served as Director of the NIH United States Critical Illness and Injury Trials Group and as Principal Investigator of the DHS National Collaborative for Biopreparedness. Most recently, he has been leading COVID-19 research and innovation efforts in understanding the acute and longitudinal immune response to severe SARS-CoV-2 infection as a clinical lead for the NIH COVID-19 Immunophenotyping (IMPACC) study and as Principal Investigator of the Bill & Melinda Gates Foundation project on the prediction of COVID-19 community infection and recovery.

He has published over 200 scientific articles and reviews and secured more than \$50 million in research funding. Dr. Cairns serves on the St. Christopher's Hospital for Children Board, the Board of the Eureka Institute for Translational Medicine, the Society for Academic Emergency Medicine Foundation Board, as Board Chair of the National Foundation of Emergency Medicine and the Administrative Board of the American Association of Medical Colleges Council of Deans.

### [Subha Airan-Javia, MD](#)

Dr. Subha Airan-Javia is an Associate Professor of Medicine at Penn Medicine. She is a hospitalist, or physician that specializes in managing the care of patients within the hospital. Dr. Airan-Javia practices at the Hospital of University of Pennsylvania. She



joined the Section in 2007 and currently serves as an Associate Professor of Clinical Medicine at the Perelman School of Medicine. As a double board-certified hospitalist and informaticist, Dr. Airan-Javia has devoted much of her career to bridging the gap between clinical workflows and technology. During her tenure at Penn, she developed CareSign - a digital handoff tool that quickly spread through Penn Medicine services. Her goal is to provide clinicians with digital tools that support their workflows so they can shift their focus away from administrative tasks and back to providing the highest quality of care to their patients.

Dr. Airan-Javia earned her medical degree from the University of Maryland School of Medicine, Baltimore, and completed her Internal Medical residency at the Hospital of the University of Pennsylvania.

### [Aniruddha Singh MD, FACC, FNLA](#)

Dr. Singh is an Associate Professor of Medicine at Drexel University College of Medicine and the Program Director for the General Cardiovascular Fellowship program at Tower Health. He holds board certifications in Cardiology, Internal Medicine, Echocardiography, Cardiac Computed Tomography, Nuclear Cardiology, and Vascular Ultrasonography. Additionally, he earned a Master's in Lipidology through the National Lipid Association.



Dedicated to medical governance and advancement, Dr. Singh is actively involved in various capacities including the American Board of Internal Medicine (ABIM) Governance and state and national committees such as the American College of Cardiology, National Lipid Association, and the Alliance for Physician Certification & Advancement. He has also been an integral part of the editorial teams of publications including the *Journal of Medical Internet Research (JMIR)*, *ACC*, and *StatPearls*, while also lending his expertise as a reviewer for journals such as the *Annals of Internal Medicine*, *British Medical*

*Journal and Journal of American Society of Echocardiography.*

With over 50 publications to his credit, encompassing book chapters and editorial analysis, Dr. Singh has significantly contributed to the field of medicine. His involvement extends to participation in numerous multicenter industry and government-funded clinical trials. He has chaired eight Cardiology and Medicine annual Scientific Sessions since 2016 and frequently serves as a judge and moderator for medical symposiums.

Despite his extensive professional engagements, Dr. Singh finds immense satisfaction in teaching and fostering academic programs. His dedication to education has been recognized through eight Best Teacher awards since his graduation from the University of Connecticut in 2015.

### **Edward Kim, PhD**

Edward Kim, PhD, Associate Professor in the Computer Science Department at Drexel University, is an expert in neuro-inspired machine learning, medical imaging, and sparse hierarchical networks. Dr. Kim has active collaborations in medicine and neuroscience, and was the recipient of DOE visiting faculty award in 2017 and DoD visiting scholar award in 2018. He runs the Sparse Coding Lab at Drexel which has used sparse coding to model the encoding of retinal event trains and deep sparse coding (DSC) models that incorporate top-down feedback as an essential contribution to the inferred sparse representation, including evidence that such pathways support the prediction of future video frames and improve robustness to adversarial examples. Dr. Kim has over 40 peer reviewed publications in neuro-inspired artificial intelligence, medical imaging, and large language model development and implementation on medical data. His lab has also pioneered solutions of sparse/predictive coding problems using neuromorphic hardware. Recent results of this work were the basis for the PI's 2019 NSF CAREER award in Robust Intelligence and 2021 DARPA award in POCUS AI.



### **Leah Livingston, RN**

Ms. Livingston is a Senior Clinical Analytics Specialist & Data Scientist at Elsevier, a global information and analytics company. She is a registered nurse and later earned a Master's degree in Epidemiology & Global Health Policy. She has 15+ years of experience improving the health care experience and clinical outcomes for clients and providers, and she applies data mining, statistical analysis, predictive modeling, machine learning, and deep learning techniques to extract insights and generate solutions from various sources of health and education data.

She is passionate about using data to the fullest extent to enhance health education content and delivery, as well as to promote responsible and ethical use of artificial intelligence (AI) in health care. She collaborates with cross-functional teams of clinicians, researchers, educators, and developers to create and implement innovative products and services that address the needs and challenges of the health care industry, and is committed to continuous learning and professional development.



### **SESSION 3:**

#### ***AI in Medical Education***

#### **Moderator:**

### **James Reilly, MD, MS, FACP**

Dr. James Reilly is the Senior Vice President of Academic Affairs for Allegheny Health Network. Born in Philadelphia and raised in Pittsburgh, Dr. Reilly excelled in his academic pursuits, graduating summa cum laude in Chemistry from Saint Joseph's University, and earning his medical degree from



the University of Pittsburgh School of Medicine, where he was inducted into the Alpha Omega Alpha and the Gold Foundation Humanism Honor Society.

Following his residency in internal medicine and a fellowship in nephrology at the Hospital of the University of Pennsylvania, Dr. Reilly earned a Master's degree in Health Policy Research from the Perelman School of Medicine, as the first post-doctoral fellow of the Penn Center for Healthcare Improvement and Patient Safety (CHIPS), under the mentorship of Dr. Jennifer Myers.

Dr. Reilly was an Associate Program Director for the Penn Internal Medicine Residency and a site director at Penn Presbyterian Medical Center, where he received multiple teaching awards. He joined Allegheny Health Network and was the Program Director for the Internal Medicine Residency until 2018. Now, as SVP Academic Affairs and Designated Institutional Official, he oversees medical education at AHN, serves as a core faculty member, and holds the position of Regional Associate Dean for Drexel University College of Medicine's Allegheny clinical campus.

Dedicated to enhancing the learning environment for all members of the medical community at AHN, Dr. Reilly is also actively engaged in scholarly research focusing on patient safety, medical education, and health policy. He has published numerous peer-reviewed articles, particularly on diagnostic errors and cognitive biases. Currently, Dr. Reilly is involved in a major collaborative initiative aimed at reforming medical residency education funded by the American Medical Association's Reimagining Residency grant program.

#### **Panelists:**

#### **Marylyn D. Ritchie, PhD**

Dr. Marylyn D. Ritchie is the inaugural Vice Dean of Artificial Intelligence and Computing, the Edward Rose, MD and Elizabeth Kirk Rose, MD Professor of Genetics and Informatics, and the Director of



the Institute for Biomedical Informatics (IBI) at the University of Pennsylvania Perelman School of Medicine (PSOM). She is also Co-Director of the Penn Medicine BioBank and Vice President of Research Informatics in the University of Pennsylvania Health System. Dr. Ritchie is an expert in translational bioinformatics, with a focus on developing, applying, and disseminating algorithms, methods, and tools integrating electronic health records (EHR) with genomics. Dr. Ritchie has over 20 years of experience in translational bioinformatics and has authored over 400 publications. Dr. Ritchie was appointed as a Fellow of the American College of Medical Informatics (ACMI) in 2020 and was elected as a member of the National Academy of Medicine in 2021.

In her vice dean role, Dr. Ritchie works closely with Penn Medicine leadership to develop and implement a strategic approach for AI and computing across PSOM's integrated missions: research, education, and healthcare delivery. She also serves as an ambassador with the Health System, other schools across the University of Pennsylvania, CHOP, and external and internal partners in order to build greater connections and collaborations in AI, machine learning, and research computing. Her continued leadership of the IBI, which serves as a coordinating center for AI activities across PSOM, provides important cross-department/cross-school infrastructure and expertise to enhance PSOM's work in this rapidly changing and impactful domain.

#### **Dhiresha Kudithipudi, PhD**

Dr. Kudithipudi is the Robert F. McDermott Endowed Chair in Engineering and professor with joint appointment in the Department of Electrical and Computer Engineering and Department of Computer Science at the University of Texas at San Antonio. She is also the founding Director of the MATRIX AI Consortium for Human Well-Being. Before that, she enjoyed 13 years working at Rochester Institute of Technology as a Professor in the Department of Computer Engineering, Graduate Program



Chair, and founding director of the Center for Human-Aware AI (CHAI).

She received her PhD from the Department of Electrical and Computer Engineering at the University of Texas at San Antonio in 2006. Her PhD dissertation was focused on static power optimization mechanisms. She was the first PhD student to graduate from the program and received an outstanding research award in 2006. Prior to that she had a brief stint in software industry for two semesters as a programmer and systems analyst. She received her MS in Computer Engineering from Wright State University, where she was first introduced to the art of programming neural networks.

Dr. Kudithipudi is interested in designing the next-generation AI systems that can solve problems similar to humans in the most energy efficient way. Her team has been paving a path for bio-inspired AI systems and accelerators over the past decade. Her current research interests are in neuromorphic computing, brain-inspired algorithms, novel computing substrates (eg: memristors), energy efficient machine intelligence, and AI accelerators. She has led several technical workshops and tutorials in neuromorphic computing and AI and panelist at DOD & AFOSR roundtables for Neuromorphic Computing. Her teams research was recently featured in *IEEE Signal Processing Magazine*.

**Verity Schaye, MD, MHPE**

Dr. Schaye is an Assistant Dean of Education in the Clinical Sciences and the Director of Integrated Clinical Skills in the Office of Medical Education at NYU Grossman School of Medicine and an internal medicine hospitalist at Bellevue Hospital.

She completed her MD in 2008 and completed her internal medicine residency training at New York University School of Medicine in 2011. In 2016, she received a MHPE from Maastricht University with an education research focus in best practices to teach and assess clinical reasoning.

Dr. Schaye serves as the assistant director for curricular innovation in the



Institute for Innovations in Medical Education at NYU focusing on innovative assessment of clinical reasoning including use of artificial intelligence to assess clinical reasoning documentation.

**Daniel A. Hashimoto, MD, MS**

Dr. Hashimoto is assistant professor of surgery at the Hospital of the University of Pennsylvania and leads the department of surgery’s Penn Computer Assisted Surgery and Outcomes (PCASO) Lab.

Dr. Hashimoto’s research focuses on leveraging computer vision to augment surgical decision-making in the operating room and to provide data-augmented guidance to surgeons during operations to improve patient outcomes and reduce the likelihood of intraoperative adverse events.

He has published in journals such as the *New England Journal of Medicine*, *Nature Biotechnology*, *Medical Image Analysis*, *Annals of Surgery*, and others. His work has been featured in *CBS News*, *The Atlantic*, *PBS Newshour*, the *New York Times*, and *TED*. He served as program chair for the clinical translation program CLINICCAI at MICCAI 2022 and serves on the working group for surgical informatics of the American Medical Informatics Association (AMIA) and the Committee on Emerging Surgical Technologies and Education for the American College of Surgeons.

He is co-founder and vice chair of the Global Surgical AI Collaborative, a nonprofit that promotes the democratization of surgical care through the intersection of education, innovation, and technology.



