

SPRING 2024

IDPittStop

NEWSLETTER

UNIVERSITY OF PITTSBURGH, DEPARTMENT OF MEDICINE,
DIVISION OF INFECTIOUS DISEASES



University of
Pittsburgh

Division of Infectious Diseases



Infectious Innovations

Spring Insights from the ID Division

The ID**Pitt**Stop Newsletter

Spring 2024 Issue

IDPitt**Stop Newsletter** is a digital publication produced bi-annually by the Center for Infectious Diseases Outreach (CIDO) to inform individuals on all topics related to ID while recognizing and showcasing our Division's multiple achievements in the field of Infectious Diseases.

Do you have information you would like us to consider sharing?
Contact: Tony Morrison,
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Thank you!

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The IDPittStop Newsletter

Spring 2024 Issue

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The Changing of the Guard

- Welcoming Bernard J. C. Macatangay, Chief of ID

We reflect upon Dr. Macatangay's new career role as Chief of the ID Division and also upon the lasting legacy of Dr. John Mellors.

It's no secret that a new ID Division Chief has been appointed—though it was a well-kept secret for much of fiscal year 2024. Dr. Mellors announced his resignation as ID Chief at the ID All Hands meeting last May. ID faculty and staff experienced emotions of surprise and restlessness. While we did not panic over the prospect of selecting a new Chief, we knew we had to be patient. After almost a year of waiting, any concerns were finally laid to rest as we warmly welcomed Bernard (Beej) Macatangay, MD, to the leader's circle.

Effective April 16, 2024, Dr. Macatangay settled into his new role as Chief of the ID Division. Dr. Macatangay, an Associate Professor of Medicine and Immunology at the University of Pittsburgh

School of Medicine, graduated from the University of the Philippines College of Medicine and completed his Internal Medicine residency at Boston University Program at Roger Williams Medical Center. He completed General Infectious Diseases and HIV/AIDS Clinical and Research fellowships at the University of Pittsburgh, where he served as Chief Fellow.

Dr. Macatangay is a renowned physician-scientist whose research focuses on immune regulatory mechanisms in chronic HIV-associated inflammation and immunotherapeutic strategies for HIV remission off antiretroviral therapy. As Co-Director of the University of Pittsburgh Immunology Specialty Laboratory (ISL), he has played a key

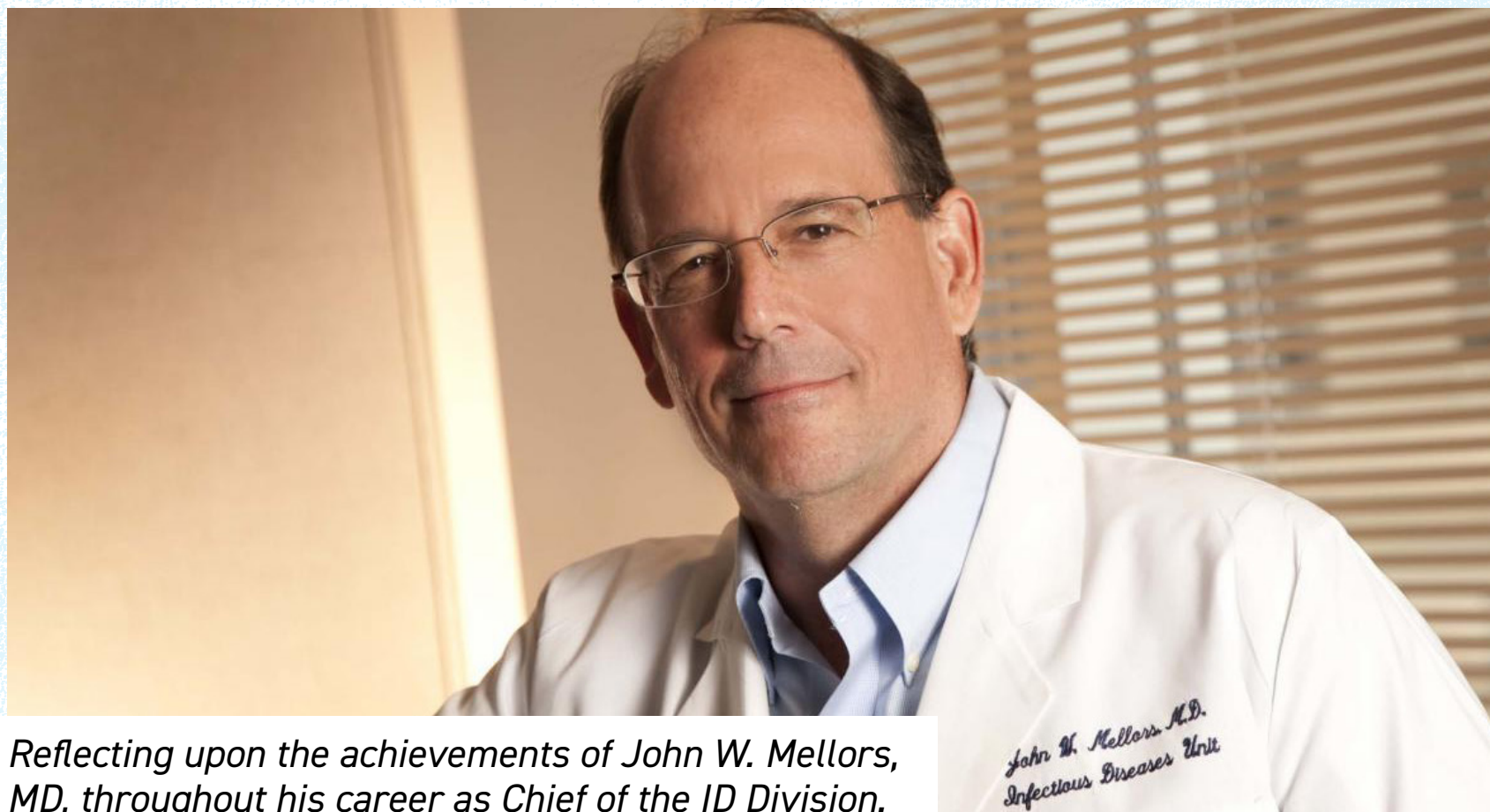
role in several national and international HIV clinical trials. As the Clinical Laboratory Director of the Pitt Clinical Research Site, he significantly expanded laboratory services during the COVID-19 pandemic to support multiple studies, including early vaccine trials.

Additionally, as Director of Student and Resident ID Research, and, Research Associate Program Director for the ID Fellowship Training Program, Dr. Macatangay fostered infectious diseases research among students, residents, and fellows, initiated the Infectious Diseases Area of Concentration (the Bug Club) in the School of Medicine, and, recruited physician-scientist trainees in infectious diseases.

A portrait of Dr. Macatangay, a bald man with a light beard, smiling. He is wearing a pink button-down shirt under a dark grey blazer. The background is a blurred green foliage.

Dr. Macatangay joined the ID Division as an ID fellow in 2006 and then in 2010 as a faculty member appointed to the rank of Assistant Professor of Medicine. We congratulate Beej on his continued success and look forward to seeing his growth in the years to come.

The Changing of the Guard



Reflecting upon the achievements of John W. Mellors, MD, throughout his career as Chief of the ID Division.

Although Dr. Mellors has stepped down from his position as ID Chief, we are fortunate to have him continue as Distinguished Professor of Medicine, Endowed Chair for the Global Elimination of HIV and AIDS, and, as a Principal Investigator with numerous research awards. Dr. Mellors has made significant contributions to HIV research, particularly in understanding HIV persistence and developing strategies to eradicate the virus. His work has advanced global AIDS elimination efforts, and he has mentored numerous emerging leaders in infectious diseases. His commitment to fostering a collaborative and

innovative research environment has led to numerous high-impact publications and advancements in HIV treatment and prevention.

We recognize and thank Dr. Mellors for his 25 years of exemplary service as ID Division Chief. Under his leadership, the Division of Infectious Diseases has grown into a top-tier program renowned for its groundbreaking research, excellence in education, and high-quality clinical care. During his tenure, the Division expanded to include 97 faculty members and 107 personnel, generating over \$25 million annually in clinical and research revenue.

As we welcome Dr. Maca-

tangay as the new ID Division Chief, we honor Dr. Mellors' legacy and are grateful for the strong foundation he has built. His visionary leadership and dedication have left an indelible mark on the ID Division and the broader medical community. We wish him continued success in his future endeavors and extend our best wishes to Dr. Macatangay as he steps into his new role. We are excited about the future of the Division of Infectious Diseases under Dr. Macatangay's leadership and are thrilled to be part of a new legacy as it unfolds.

Congratulations, Dr. Macatangay! Having you as our new ID Chief was well worth the wait.

Events ON CAMPUS

UPCOMING...

JULY 11

**ID Summer Picnic
in the Park**

Schenley Park,
Overlook Shelter // 3 - 6 PM

SEPTEMBER 26

**Pitt Men's Study 40th
Anniversary Symposium**

BST 123 // 4 - 6 PM

OCTOBER 16 - 20

ID Week 2024
Los Angeles, CA

Pitt Men's Study Celebrates 40th Anniversary



Original Pitt Men's Study organizers pose for the press in the 1980s.

**"Forty years later,
the specimens that
the men gave us are
extremely relevant."**

million and recruited more than 1,000 men to participate. Little did they anticipate that the study would, in the words of Dr. Rinaldo, "define the natural history of what was just then being called AIDS."

In recognition of the profound impact of the Pitt Men's Study and in continuation of our commitment to advancing HIV research, the Division of Infectious Diseases is proud to announce that we will host a symposium on September 26, 2024. The symposium will serve as an opportunity to explore more deeply the legacy of the Pitt Men's Study, reflecting upon its pivotal role in shaping our understanding of HIV, and avenues for further advancements in this critical field of study.



ID researcher Charles R. Rinaldo, PhD, Professor of Medicine.

In 1981, the first known AIDS patient in Pittsburgh was examined by Charles Rinaldo, PhD, who was investigating opportunistic infections in his early scientific career. Following this encounter, a Pitt medical student named David Lyter approached Rinaldo and the two would lay down the foundation for the Pitt Men's Study. Initially comprising approximately 70 gay men and lacking official funding, the study experienced a transformative moment in 1983 when it was awarded \$4.2

Events ON CAMPUS



ID Division Does Pi Day



Fellows, faculty, and staff gather in the break room in Falk Medical Building for Pi Day.

From savory to sweet, we indulged in a fantastic array of pies including apple pie and quiche. There was something for everyone to enjoy on March 14, 2024. The ID Division had a great turnout from the research laboratories and our medical building locations.

A big thanks to everyone who contributed to making this celebration so delightful. It's moments like these that bring our community together and make our work even more enjoyable. Here's to many more tasty celebrations in the future!

ZOONOTIC MYSTERIES ID-Themed Escape Room

Pitt Med Flex week just got a whole lot WILDER!

Our minds were put to the ultimate test as we navigated the thrilling “Burgh Break: Zoonoses at the Pittsburgh Zoo” escape room, curated exclusively for our infectious diseases enthusiasts! Pitt Med students scoured for clues as to who, or more appropriately what, was the carrier for zoonosis at the Pittsburgh Zoo & Aquarium.

The escape room mechanics were designed by faculty member, Diana Zhong, MD, and we have confirmed that another brain-breaker will be offered to students as a flex week activity this coming fall.

Let's keep the spirit alive, always ready to face the challenges of medicine with tenacity and a touch of adventure!



Nathalie Chen, along with fellow medical students, working their way out of the escape room.

Events ON CAMPUS

Pitt ID Spotlight- Advancing Knowledge at DOM Grand Rounds

The Division of Infectious Diseases has made a remarkable impact at the Pitt Department of Medicine Grand Rounds with three noteworthy presentations this year. On January 9th, Drs. Madhu Choudhary, Nupur Gupta, Deb McMahon and Urvi Parikh, kicked off the series with their lecture entitled “*Advances in HIV Prevention, Treatment, and Cure.*” This presentation highlighted the latest innovations and strategies in HIV care, showcasing our Division’s leading-edge research and clinical practices.



Drs. Madhu Choudhary, Nupur Gupta, Urvi Parikh, and Deb McMahon gather at the podium on January 9, 2024.



Graham Snyder, MD, presenting alongside Mark Geraci, MD, at DOM Grand Rounds on February 6, 2024.

The ID Division made a noteworthy impact at the DOM Grand Rounds offering three presentations within the first five weeks of 2024.

Drs. Daria Van Tyne and Ghady Haidar took the stage for the Bench to Bedside series with their talk on “*Bacteriophage: The Next Generation of Antimicrobial Agents*” on January 23rd. Their insightful lecture delved into the promising potential of bacteriophages in combatting antibiotic-resistant infections, reflecting our ongoing commitment to exploring novel antimicrobial therapies.

Drs. Graham Snyder and Mark Geraci presented an extensive update on COVID-19 research and clinical practices on February 6th. Their presentation covered the latest developments in the fight against the pandemic, emphasizing our faculty’s dedication to staying at the forefront of infectious disease research and patient care.

Events ON CAMPUS

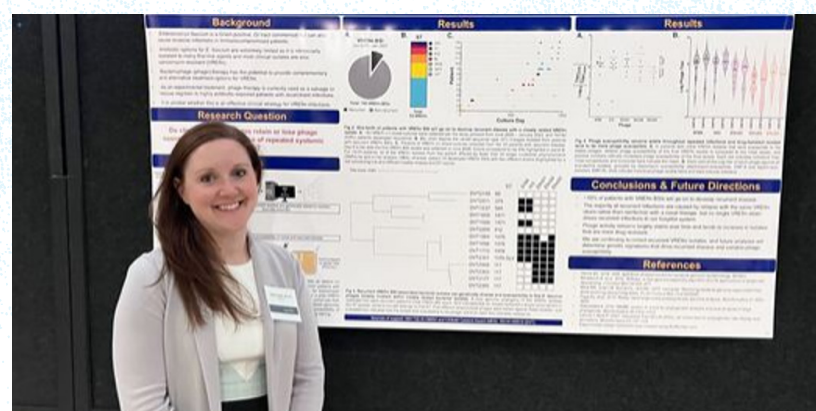
DOM Research Day 2024 ID Highlights



Second year ID fellow, Mina Said, MD, received accolades for his plenary presentation, entitled, “A Stepwise Diagnostic Stewardship Approach to Reduce Unnecessary Urine Cultures, Asymptomatic Bacteriuria, and CAUTI Rate: A VA Center Quasi-experimental Study Experience.”

We extend our sincerest congratulations to the Infectious Diseases' teams at Pitt's Department of Medicine Research Day 2024.

We applaud Abigail Gerberick from the Rinaldo Lab for her remarkable achievement in winning an outstanding poster award for her presentation entitled, “The impact of B cell activation on HIV-1 binding and trans infection of CD4+ T cells.”

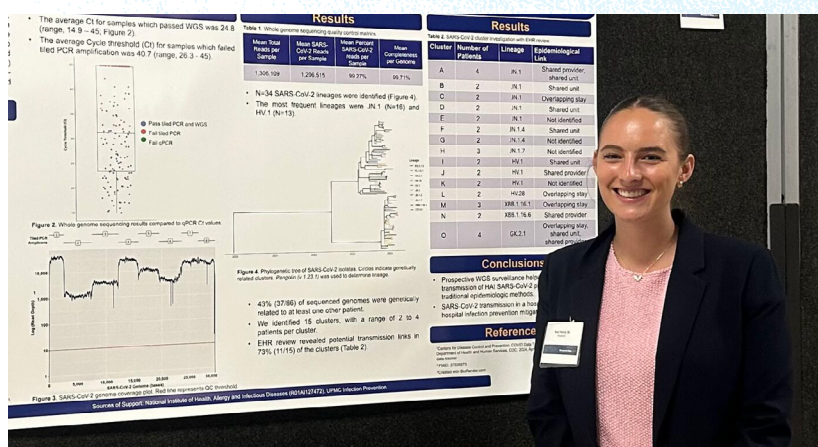


Madison Stellfox, MD, PhD, presenting her poster, “Longitudinal phage susceptibility of vancomycin-resistant *E. Faecium* isolates from recurrent bloodstream infections.”

Additionally, we celebrate the selection of Mina Said, MD, second year ID fellow, who delivered one of the four plenary presentations.

We express our gratitude to all of the lab researchers within our Division who actively participated and showcased their pioneering work, contributing to the distinguished reputation of the ID Division.

Your unwavering dedication and innovative contributions continue to elevate our Division to new heights.



MiGEL researcher, Rose Patrick, with her poster, “Whole Genome Sequencing Surveillance of Healthcare Associated SARS-CoV-2 Infections.”

Events OFF CAMPUS

CROI 2024 COVERAGE

ID colleagues return with hearts full of fond memories, shared achievements, and the promise of a brighter, healthier future.

ID researchers shared their work at CROI 2024 which was held March 3-6 2024 in Denver, Colorado.

Among the highlights was the presentation led by Patrick Mehta, alongside his study mentor and co-author, Dr. Bernard Macatangay. Patrick was the recipient of a New Investigator Scholarship awarded by CROI. He presented his poster entitled, *"Persons With Residual Viremia on ART Have Higher Frequencies of Myeloid-Derived Suppressor Cells (MDSC)." This research focused on determining whether frequencies of MDSC were associated with measures of HIV persistence and levels of inflammation in persons living with HIV on long-term antiretroviral therapy (ART).*



The ID Division made waves at this year's Conference on Retroviruses and Opportunistic Infections.

Dr. Ralph Kamel, a second-year ID fellow, also received a New Investigator Scholarship this year. He presented his research poster entitled, *"Baseline KSHV T-Cell Responses Are Associated With Pre-Treatment Clinical Presentation in KS."* This research evaluated T-cell responses to Kaposi's Sarcoma herpesvirus (KSHV) and associations with pre-treatment clinical characteristics and outcomes in two ACTG/AMC studies of KS treatment in resource-limiting settings. This work emphasized that T-cell immunity is important in controlling KSHV disease progression.

Many ID faculty members attended and presented at CROI 2024 this year. We are

grateful for their continued dedication to research which serves as a reminder to us of the transformative power of science.



Yijia Li, MD, poses in front of the iconic Big Blue Bear outside of the Denver Convention Center.

Events

OFF CAMPUS

OFF TO THE RACES - Pitt ID Teams Hit the Hills in Pittsburgh Marathon



Pitt and UPMC faculty representing Infectious Diseases Division gather for brunch downtown following the race.

We celebrate the athletic and professional excellence of three Pitt ID teams, who participated in the Pittsburgh Marathon. Our dedicated staff and faculty demonstrated their commitment and resilience, not only in their professional endeavors but also in this

challenging athletic event. Their success in both combating infections and conquering the city's hills is truly inspiring. We are proud of their achievements and grateful for their exemplary representation of our Division. See you at next year's race!

**Congratulations to
the Feverish Feet,
Contagion Chasers,
and Actin Rockets!**

Fresh Faces STAFF



Sunshine Dan
Executive Operations
Coordinator



Libby Ernharth, PA-C



Nayck Feliz
Rinaldo Group



Amber Khan
Sluis-Cremer Lab



Emily Manno
HIV Treatment & Prevention
Research Program



Willow Maynard
Nguyen/Clancy Lab



Seungmin Shin
CAT Lab



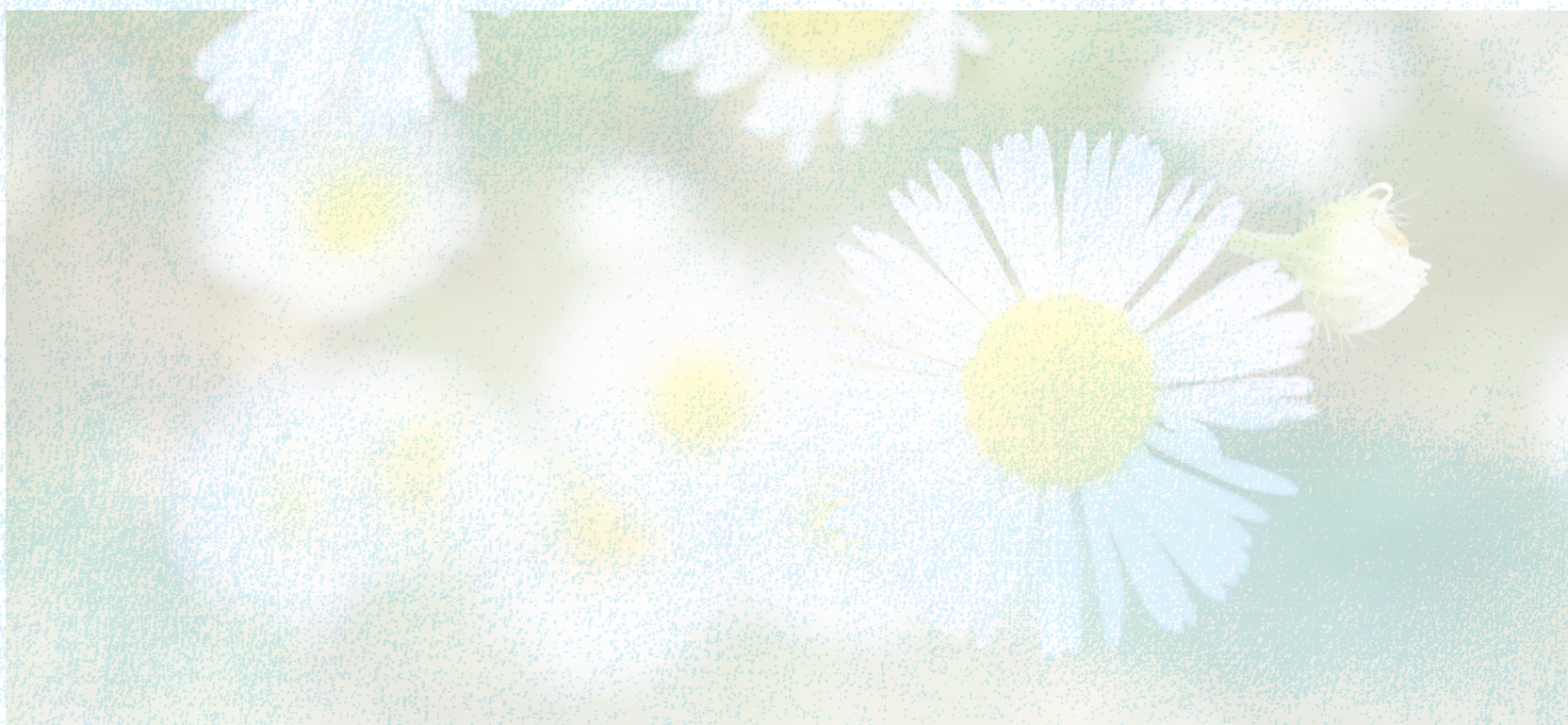
Nora St. Clair
Rinaldo Lab



Lisa Townsend
Clinical PACT Group



Benjamin Urbano
CAT Lab



Maura Porto, DO

Fresh Faces
FACULTY



Appointments & Promotions

STAFF



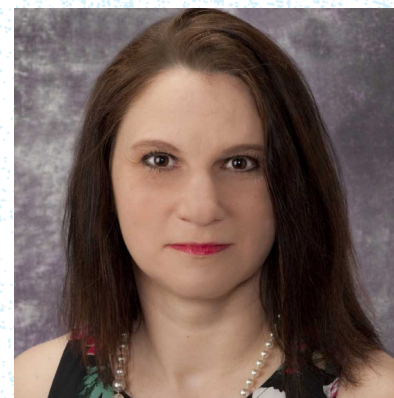
Holly Bilben
Laboratory Manager



Arlene Bullotta
Sr. Research Specialist



Kirsten Evans
Laboratory Specialist



Dianna Hoeth
Sr. Laboratory Manager



Ellen Kline
Project Manager



James Martin
Laboratory Manager



Carol Mitchell
*Clinical Research Nurse
Manager*



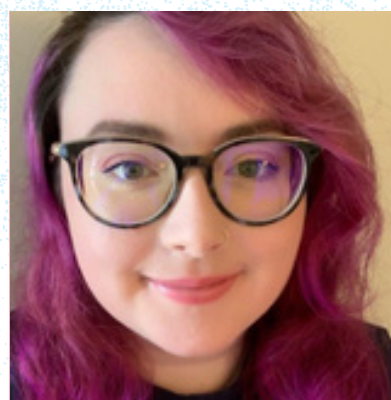
Megan Moore
*Academic Administrative
Coordinator*



Kaitlin Phillips
Laboratory Specialist



Jenny Roscher
Laboratory Specialist



Erin Salese
Sr. Laboratory Specialist



Leah Scalfari
*Clinical Research
Coordinator III*



Nathaniel Soltesz
*Clinical Research
Coordinator*



Kevin Squires
Laboratory Manager



Nathan Wallace
Laboratory Specialist



Jamira Watt
Purchasing Specialist

Appointments & Promotions

Faculty



Ghady Haidar, MD

Promoted & Appointed to:

Associate Professor of Medicine & Medical Director of Translational Research



Elias (Lou) Halvas, PhD

Promoted to:

Associate Professor of Medicine



Robbie B. Mailliard, PhD

Promoted to:

Associate Professor of Medicine with Tenure



Mohamed Yassin, MD, PhD

Promoted to:

Professor of Medicine

Awards

Pitt ID Faculty Named 2023 Clarivate Highly Cited Researchers



Highly cited research faculty, from left to right: Neil Clancy, MD; Yohei Doi, MD, PhD; Minh-Hong Nguyen, MD.

Highly cited researchers demonstrate significant and broad influence in their fields of research. Each researcher selected has authored multiple Highly Cited Papers™ which rank in the top 1% by citations for their field(s) and publication year in the Web of Science™

over the past decade. However, citation activity is not the sole selection indicator. A preliminary list based on citation activity is refined using qualitative analysis and expert judgment. Of the world's population of scientists and social scientists, Highly Cited Researchers™ are 1 in 1,000.

Congratulations to Neil Clancy, MD; Yohei Doi, MD, PhD; and Minh-Hong Nguyen, MD, for being in the top 1%

Yijia Li, MD, Named Early-Career Awardee by ASCI



Congratulations to Yijia Li, MD, for being named an Early-Career Awardee by the American Society for Clinical Investigation!

Dr. Li's research focuses on HIV-1 persistence and reservoir dynamics, SARS-CoV-2 virology, and HIV-1 non-AIDS complications. Clinically he is passionate about HIV care, especially for people from underrepresented backgrounds (uninsured, homeless, recent

release from incarceration, substance use), LGBTQIA+ health (PrEP care, sexual health, and gender-affirming care), in addition to general infectious diseases.

Dr. Li was selected as one of 33 Emerging-Generation awardees, who are chosen for being meaningfully engaged in immersive research. Well done, Yijia, for achieving this esteemed honor.

Awards

UPMC Infectious Diseases Physicians Recognized in 2024 Top Doctors List



**J. Ryan
Bariola, MD**



**Tatiana
Bogdanovich, MD**



**Karin
Byers, MD**



**Carolyn
Fernandes, MD**



**Nupur
Gupta, DO**

**UPMC
TOP DOCTORS**



**Ken S.
Ho, MD**



**Sarah
McBeth, MD**



**Deborah
McMahon, MD**



**Raymond E.
Pontzer, MD**



**Fernanda
Silveira, MD**

We are happy to share the news that 10 esteemed UPMC Infectious Diseases physicians have been selected as 2024 Castle Connolly Top Doctors®.

This recognition acknowledges our physicians' outstanding expertise in infectious diseases and dedication to patient care.

Castle Connolly's rigorous selection process, which includes peer-to-peer nominations and comprehensive research, ensures that only the best of the best are recognized. We are honored to have these extraordinary physicians as part of our team.

Congratulations to our incredible doctors!

Awards Grants



Nupur Gupta, DO, MPH

Awarded funding in the amount of \$450,000 for a three-year grant award by the JSI Research & Training Institute, Inc. (JSI) via the U.S. Department of Health and Human Services, Health Resources and Services Administration (HRSA), HIV/AIDS Bureau, entitled *“Telehealth Strategies to Maximize HIV Care.”*

Ghady Haidar, MD and Daria Van Tyne, PhD

Awarded funding in the amount of \$331,002 for a two-year project by the Cystic Fibrosis Foundation, entitled, *“Pilot study of Achromobacter bacteriophage cocktail for chronic Achromobacter respiratory tract infections.”*



Elise Martin, MD, MS & Graham Snyder, MD, MS

Awarded funding in the amount of \$358,252 for a three-year R01 grant by the Agency for Healthcare Research and Quality (AHRQ) through The Miriam Hospital, entitled, *“The INFECTADO study: INFECTIONS Acquired by persons on maintenance hemoDialysis during hOspitalizations.”*

Minh-Hong Nguyen, MD

Awarded funding in the amount of \$440,431 for a two-year grant by the National Institutes of Health/National Institute of Allergy and Infectious Diseases (NIH/NIAID) entitled, *“Within-host diversity of Gram-negative bacteria from bloodstream infections.”*



Professional Achievements Faculty

Christiane Hadi, MD, MPH&TM, MSc, FIDSA - Named IDSA Fellow

Congratulations to Christiane M. Hadi, MD, MPH&TM, MSc, for receiving the Infectious Diseases Society of America's Fellow designation (FIDSA). IDSA Fellows are individuals recognized for having achieved professional excellence and for providing significant service to the profession.

Dr. Hadi has achieved these goals during her 21 years as a member of the IDSA.

Dr. Hadi is passionate about treating underserved populations. She provides care to a large panel of patients with HIV which includes young adults, women of childbearing age, men, transgender, and elderly individuals.



AST Elects Fernanda Silveira, MD, Co-Chair for Infectious Diseases Community of Practice



**We congratulate
Fernanda Silveira, MD, MS,
FIDSA, FAST, for being elected
Co-Chair for the Infectious
Diseases Community of
Practice of the American
Society of Transplantation.**

Congratulations Fernanda Silveira, MD, MS, FIDSA, FAST, on her election as a Co-Chair for the American Society of Transplantation (AST). AST is diverse organization dedicated to advancing the field of transplantation and improving patient care by promoting research, education, advocacy, organ donation, and service to the community through a lens of equity and inclusion. The mission of the AST Community of Practice is to lead the Transplant Infectious Diseases community by fostering academic collaboration, developing clinical

guidance and educational materials, promoting diversity and inclusion in the field, and mentoring the future leaders in transplantation.

Fernanda's term as Co-Chair will begin on June 3, 2024. She will serve as Co-Chair for one year, Chair for one year, and Past Chair for one year.

Additionally, Fernanda has been appointed as At Large Member of the Organ Procurement and Transplantation Network Disease Transmission Advisory Committee. Her three-year term is effective July 1, 2024 through June 30, 2027.

Professional Achievements

Staff

ID Student Researchers Present Masters Theses



Jay Goetz

MS Thesis:

"COVID-19 Vaccine Attitudes Among Veterans in the Veteran Affairs Pittsburgh Healthcare System."

Presented on 10/20/2023



Anna Montgomery

MS Thesis:

"Automated Cell-Associated HIV-1 RNA and DNA Assay Application in a Phase 1 Clinical Trial."

Presented on 4/11/2024



Alexandra Mullen

MPH-PEL Thesis:

"Elucidating the Mechanistic Role of ADAM17 in IL-18 Induced 'Memory-Like Natural Killer Cell Differentiation and Helper Function.'"

Presented on 4/11/2024

Sahil Angelo, MD, Elected 2024 Chief ID Fellow

On behalf of the Infectious Diseases Fellowship Program, we are excited to share that Sahil Angelo, MD, has been elected by his colleagues to serve as Chief ID Fellow beginning July 2024 through June 2025. We look forward to his suc-

cess in this position. A special thanks to Dr. Spencer Schrank who continues to serve as an excellent Chief Fellow for the remainder of this academic year and will help Sahil transition smoothly to his new role this summer.



Professional Achievements Staff

Vicki Pitts, PACT Peer Advocate, Received 2023 UPMC ACES Award



Victoria “Vicki” Pitts has received UPMC’s Award for Commitment and Excellence in Service (ACES). The ACES Award honors staff whose everyday actions, and in some instances, personal acts of courage and compassion exceed the high level of service that the community has come to expect from UPMC. Each year, less than one percent of UPMC staff from across the health system receives this honor.

Vicki serves as a Peer Advocate with the ID Division at the PACT Clinic. Her role is to support patients in accessing medical care and navigating services, a charge she takes very seriously. Vicki brings a positive attitude to everything she does. She is thoughtful and caring of colleagues and patients alike. Her devotion to patient needs as well as to her colleagues is exceptional.

UPMC ASP Team Renews Antimicrobial Stewardship Center of Excellence Designation

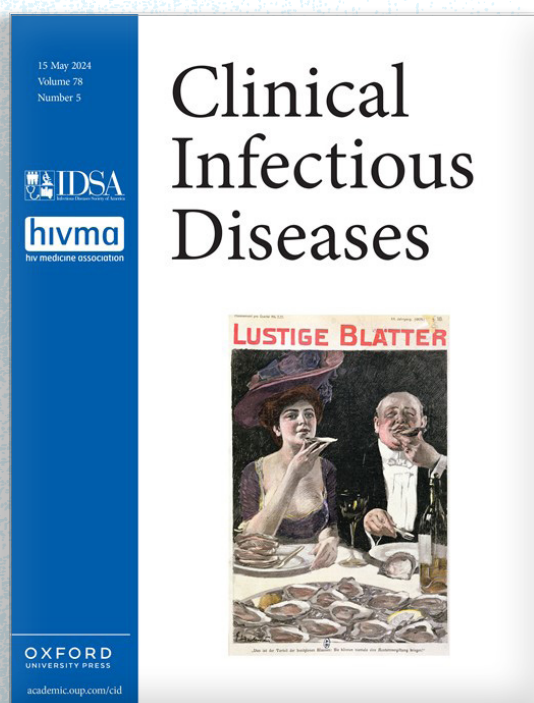
The UPMC Presbyterian University Hospital (PUH) Antimicrobial Stewardship Program (ASP) Team has received the renewal of designation as an “Antimicrobial Stewardship Center of Excellence” through the Infectious Diseases Society of America (IDSA). This designation recognizes the dedicated work of every individual member of the ASP Team and demonstrates that this program is a leader

in the field of antimicrobial stewardship excellence. Our Antibiotic Stewardship Program at UPMC PUH comprises a broad partnership of stakeholders committed to improving patients’ outcomes, reducing antibiotic resistance, lowering adverse health events related to antibiotic use, and efficiently marshalling resources. This program has received and will continue to receive our strongest support to assure

its ongoing success in tackling the public health crisis of expanding antimicrobial resistance.



Recent Publications



Clinical Infectious Diseases

*“The growing threat of NDM-producing *E. coli* with penicillin-binding protein 3 mutations in the United States – is there a potential role for durlobactam?”*

Pre-print, April 2024

Samuel L. Aitken, Virginia M. Pierce, Jason M. Pogue, Ellen G. Kline, Frank P. Tverdek, Ryan K. Shields

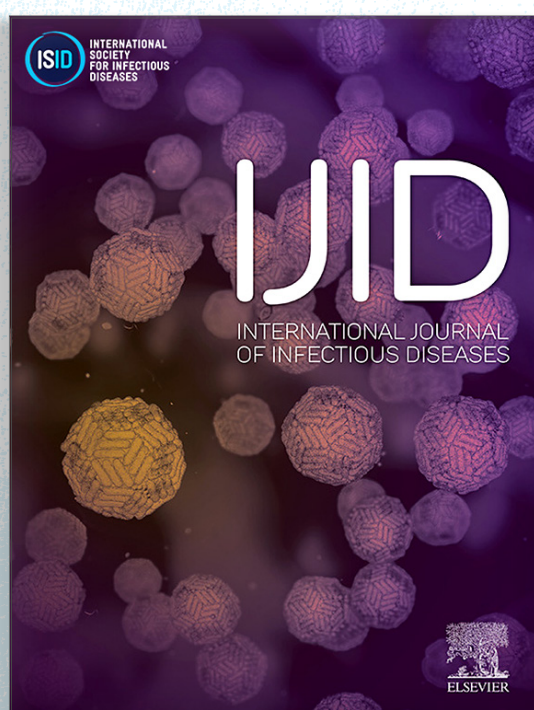


ImmunoHorizons

*“Lung Epithelial Regnase-1 Dampens Local Immune Response but Does Not Worsen Susceptibility to *Klebsiella pneumoniae*”*

Volume 8, Issue 1, January 2024

Becky Lin, Li Fan, Shatterra Jackson, Aidan R. Matunis, Dequan Lou, Kong Chen, Giralina Trevejo-Nunez



International Journal of Infectious Diseases

*“Real-time genomic epidemiologic investigation of a multispecies plasmid-associated hospital outbreak of NDM-5-producing *Enterobacterales* infections”*

Volume 142, May 2024

Nathan J. Raabe, Abby L. Valek, Marissa P. Griffith, Emma Mills, Kady Waggle, Vatsala Rangachar Srinivasa, Ashley M. Ayres, Claire Bradford, Draia Van Tyne, Graham M. Snyder, Lee H. Harrison

Recent Publications

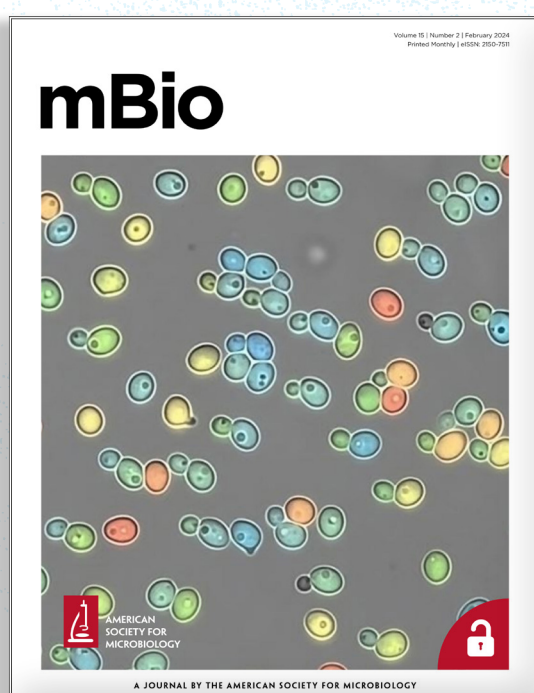


Journal of Antimicrobial Chemotherapy

“Differential in vitro susceptibility to ampicillin/ceftriaxone combination therapy among Enterococcus faecalis infective endocarditis clinical isolates”

Volume 79, Issue 4, April 2024

Kevin J. Westbrook, Gayatri Shankar Chilambi, Madison E. Stellfox, Hayley R. Nordstrom, Yanhong Li, Alina Iovleva, Niyati H. Shah, Chelsea E. Jones, Ellen G. Kline, Kevin M. Squires, William R. Miller, Truc T. Tran, Cesar A. Arias, Yohei Doi, Ryan K. Shields, Daria Van Tyne.

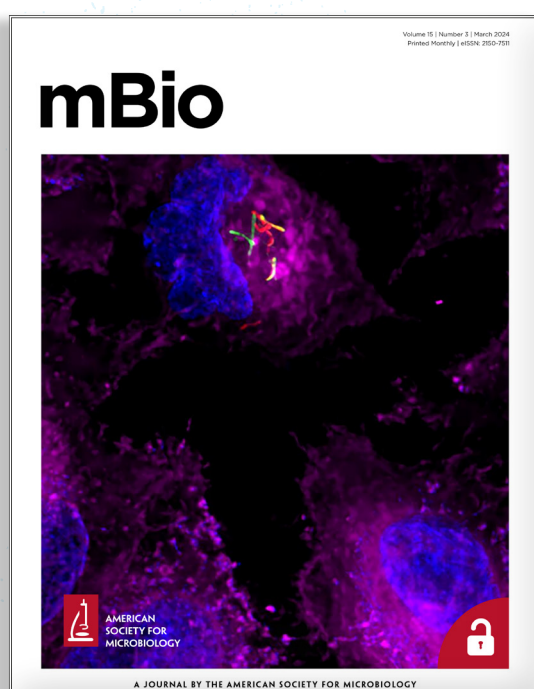


mBio

“Structural insights into the molecular mechanism of high-level ceftazidime-avibactam resistance conferred by CMY-185”

Volume 15, Issue 2, February 2024

Akito Kawai, William C. Shropshire, Masahiro Suzuki, Jovan Borjan, Samuel L Aitken, William C Bachman, Christi L. McElheny, Micah M. Bhatti, Ryan K. Shields, Samuel A Shelburne, Yohei Doi



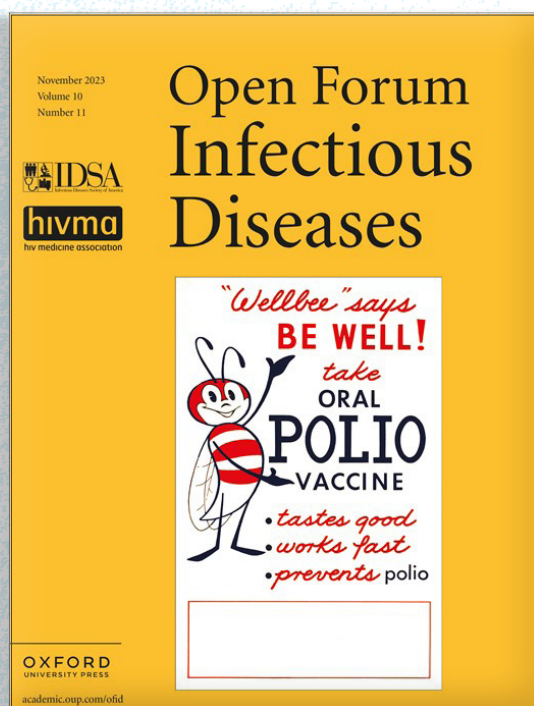
mBio

“Bacteriophage and antibiotic combination therapy for recurrent Enterococcus faecium bacteremia”

Volume 15, Issue 3, March 2024

Madison E. Stellfox, Carolyn Fernandes, Ryan K. Shields, Ghady Haidar, Kailey Hughes Kramer, Emily Dembinski, Mihnea R. Mangalea, Grima Arya, Gregory S. Canfield, Breck A. Duerkop, Daria Van Tyne

Recent Publications



Open Forum Infectious Diseases

“Stewardship-Guided T2Candida Testing Shortens Time to Antifungal Treatment and Reduces Anti-fungal Usage Among Medical Intensive Care Unit Patients With Septic Shock”

Volume 10, Issue 11, November 2023

Matthew O'Donnell, Ryan K. Shields, Racel V. Marini, Lara M. Groetzinger, Brian A. Potoski, Bonnie A. Falcione, Sunish Shah, Erin K. McCreary, Lloyd Clarke, Emily Brandt, Bryan J McVerry, Susan Liegey, A. William Pasculle, Cornelius J. Clancy, M. Hong Nguyen



The Journal of Immunology

“Persistence of a Skewed Repertoire of NK Cells in People with HIV-1 on Long-Term Antiretroviral Therapy”

Volume 212, Issue 10, May 2024

Renee R. Anderko, Allison E. Depuyt, Rhianna Bronson, Arlene C. Bullotta, Evgenia Aga, Ronald J. Bosch, Brad Jones, Joseph J. Eron, John W. Mellors, Rajesh T. Ghandi, Deborah K. McMahon, Bernard J. Macatangay, Charles R. Rinaldo, Robbie B. Mailliard



The Journal of Infectious Diseases

“Two Artificial Tears Outbreak-Associated Cases of Extensively Drug-Resistant Pseudomonas aeruginosa Detected Through Whole Genome Sequencing-Based Surveillance”

Volume 229, Issue 2, February 2024

Alexander J. Sundermann, Vatsala Rangachar Srinivasa, Emma G. Mills, Marissa P. Griffith, Kady D. Waggle, Ashley M. Ayres, Lora Pless, Graham M. Snyder, Lee H. Harrison, Daria Van Tyne



Spring 2024 Issue

The IDPittStop Newsletter



University of
Pittsburgh

Division of Infectious Diseases