

# MICROBIOLOGY SEMINAR SERIES

## SPRING 2023

### Wednesdays at Noon

*In-person seminars CRB / Austrian Auditorium*

January 25<sup>th</sup>

**Robert "Chip" Schooley, MD**  
University of California San Diego  
*"Bacteriophage Therapeutics: An Old New Approach to Treating Difficult to Treat Bacterial Infections"*

February 1<sup>st</sup>

*Virtual*

**Carolina Barillas-Mury, MD, PhD**  
Laboratory of Malaria and Vector Research  
National Institutes of Health  
*"Mosquito Megacytes Mediate Immunity Against Plasmodium and Viruses"*

February 8<sup>th</sup>

**Tiffany Reese, PhD**  
University of Texas Southwestern Medical Center  
*"Viral Exploitations of the Host - From Cell Biology to Coinfection"*

February 15<sup>th</sup>

**Renee Tsois, PhD**  
University of California, Davis School of Medicine  
*"Salmonella infection as a neglected tropical disease"*

February 22<sup>nd</sup>

**Marvin Whiteley, PhD**  
Georgia Institute of Technology,  
School of Biological Sciences  
*"Bacterial physiology during human infection"*

March 1<sup>st</sup>

**Jesse Bloom, PhD**  
Fred Hutchinson Cancer Research Center  
*"Interpreting the evolution of SARS-CoV-2"*

March 8<sup>th</sup>

**Ellen Foxman, MD, PhD**  
Yale School of Medicine  
*"The only constant is change: understanding host-virus dynamics in the human respiratory tract"*

March 15<sup>th</sup>

**Iliyan Iliev, PhD**  
Weill Cornell Medicine  
*"Mycobiota-host Immune Interactions at High Resolution: New Implications for Inflammatory Diseases and Cancer"*

March 22<sup>nd</sup>

*Internal Speaker*

**Joseph Zackular**  
University of Pennsylvania  
*"Polymicrobial interactions during Clostridioides difficile infection"*

March 29<sup>th</sup>

*POSTPONED FALL 2023*

**Heinz Feldmann, PhD**  
Division of Intramural Research, NIAID, NIH  
*"High Biocontainment in the Response to Pathogen Emergence/Reemergence"*

April 5<sup>th</sup>

**Bryan Mounce, PhD**  
Loyola University Chicago, Stritch School of Medicine  
*"Small but Mighty: Polyamines in RNA Virus Replication"*

April 12<sup>th</sup>

**Hiten Madhani, MD, PhD**  
University of California San Francisco  
*"The last of us: a fungus that really infects your brain"*

April 19<sup>th</sup>

*Cancelled*

*Internal Speaker*

**Michela Locci, PhD**  
University of Pennsylvania  
*"TBD"*

April 26<sup>th</sup>

**Manoj Duraisingh, PhD**  
Harvard T.H. Chan School of Public Health  
*"Locking out malaria: Targeting red blood cell invasion by Plasmodium parasites"*

May 3<sup>rd</sup>

*Neal Nathanson Lecture*

**Katalin Kariko, PhD**  
University of Pennsylvania, Perelman School of Medicine  
BioNTech  
*"Developing mRNA for therapy"*

May 10<sup>th</sup>

**Matt Daugherty, PhD**  
University of California San Diego  
*"Running with scissors: evolutionary conflicts between viral proteases and the host immune system"*

May 17<sup>th</sup>

*Alumni Day Speaker*

**Ankur Dalia, PhD**  
Indiana University Bloomington  
*"Regulation and mechanism of horizontal gene transfer by natural transformation"*

For more information or if you would like to meet with any of the speakers, email

[olivia.knaby@pennmedicine.upenn.edu](mailto:olivia.knaby@pennmedicine.upenn.edu)

Sponsored by the Department of Microbiology & NIH T32 Grants: AI007324 "Training in Virology"; AI007632 "Training in HIV Pathogenesis"; AI055400 "Training in Emerging Infectious Diseases"; PennCHOP Microbiome Program; and CFAR (Penn Center for AIDS Research), HHMI Gilliam Fellowship