

Vanderbilt Institute for Infection, Immunology and Inflammation (VI4)
Seminar Series 2022-2026 (Current Funding Cycle)

***Co-sponsored Seminar with Vanderbilt Digestive Diseases Research Center (VDDRC)**

DATE	SPEAKER	INSTITUTION	TOPIC
September 27, 2022	Nick Zachos, PhD (VDDRC member)	VUMC	<i>Reconstructing epithelial-immune responses to enteric microbes using human intestinal enteroids</i>
October 11, 2022	Laura Mike, PhD	University of Toledo	<i>Exogenous and endogenous drivers of <i>Klebsiella pneumoniae</i> capsule hypermucoviscosity</i>
October 25, 2022	*Marco Davila, MD, PhD	Roswell Park	<i>Mechanisms of resistance to CD19-targeted CAR T cell therapy: Lessons from pre-clinical models and patients</i>
November 8, 2022	*Fabian Rivera-Chavez, PhD	University of California, San Diego	<i>Modulation of host-microbe metabolism by Cholera toxin</i>
December 6, 2022	Jacqueline Kimmey, PhD	University of California, Santa Cruz	<i>Circadian rhythms and <i>Streptococcus pneumoniae</i> infection</i>
January 3, 2023	Laurie Harrington, PhD	University of Alabama, Birmingham	<i>Regulation of pathogenic CD4 T cell responses during autoimmune disease</i>
February 14, 2023	Lynn Petukhova, PhD	New York University	<i>Using human genetic studies to improve the clinical management of Hidradenitis Suppurativa</i>
February 28, 2023	Vaughn S. Cooper, PhD	University of Pittsburgh	<i>How biofilm and immunodeficiency influence the evolution of antimicrobial resistance</i>
March 14, 2023	Stacey Schulz-Cherry, PhD	St. Jude Children's Research Hospital	<i>Influenza in vulnerable populations: Pathogenesis to vaccines</i>
March 21, 2023	Stuart Turvey, MBBS, DPhil, FRCPC	University of British Columbia	<i>The power of partnerships: Discovery of new genetic causes of severe human allergic disease</i>
April 4, 2023	Brian Peters, PhD	University of Tennessee Health Science Center	<i>A toxic twosome: Mechanisms underpinning synergistic lethality during <i>Candida albicans</i>-<i>Staphylococcus aureus</i> co-infection</i>
April 11, 2023	*Dario Vignali, PhD	University of Pittsburgh	<i>LAG3: The third checkpoint inhibitor</i>
April 25, 2023	Sujan Shresta, PhD	La Jolla Institute for Immunology	<i>Molecular mechanisms underlying Flavivirus-dendritic cell interactions</i>
May 9, 2023	Sunny Shin, PhD	University of Pennsylvania	<i>Innate immune defense against intracellular bacterial pathogens</i>
May 23, 2023	David Savage, PhD	University of California, Berkley	<i>Functional reconstitution of the bacterial CO₂ concentrating mechanism</i>
June 6, 2023	Ed Miao, MD, PhD	Duke University	<i>An innate granuloma eradicates an environmental pathogen using <i>Gsdmd</i> and <i>Nos2</i></i>
October 3, 2023	David Weiss, PhD	Emory University	<i>How heteroresistance changes our</i>

			<i>understanding of antibiotic resistance mechanisms and treatment outcomes</i>
October 17, 2023	Joshua Shrout, PhD	University of Notre Dame	<i>Spatial and temporal context dependent community behaviors of Pseudomonas aeruginosa</i>
October 31, 2023	Ellie Margolis, MD, PhD	St. Jude Children's Research Hospital	<i>Unraveling antibiotic selection of resistance in the human gut community</i>
November 14, 2023	*John F. Brooks II, PhD	Princeton University	<i>The Paneth cell-intrinsic circadian clock directs daily rhythms in susceptibility to gastrointestinal infections</i>
November 28, 2023	Steve Crowley, MD	Duke University	<i>The role of interleukin-1 receptor activation in hypertension and kidney disease</i>
December 12, 2023	*Matthew Daugherty, PhD	University of California, San Diego	<i>Running with scissors: Evolutionary arms races between viral proteases and the host immune system</i>
February 6, 2024	*Arturo Casadevall, MD, PhD	Johns Hopkins University	<i>On the origin of microbial virulence</i>
February 20, 2024	Kathleen Sullivan, MD, PhD	University of Pennsylvania	<i>Where the Rubella meets the road: A surprise in the world of pathogen détente</i>
March 5, 2024	Marjana Tomic-Canic, PhD	University of Miami	<i>The ultimate frenemy: Inflammation in cutaneous wound healing and its disorders</i>
March 19, 2024	*Steven Damo, PhD	Fisk University	<i>Metal homeostasis at the host-pathogen interface: From nutritional immunity to intoxication</i>
April 2, 2024	*Mark Heise, PhD	University of North Carolina	<i>Novel systems for studying virus and vaccine-induced immunity</i>
April 16, 2024	Sarah Gaffen, PhD	University of Pittsburgh	<i>All things great and seventeen: IL-17 signaling in autoimmunity versus fungal infections</i>
April 30, 2024	Scott Canna, MD	University of Pennsylvania	<i>An IL-18 guided tutorial in translational ping-pong</i>
May 14, 2024	*Maria Mihaylova, PhD	Ohio State University	<i>Nutrient sensing and metabolic control of mammalian gut homeostasis</i>
May 28, 2024	Tamia Harris-Tryon, MD, PhD	University of Texas Southwestern	<i>Host signals that regulate Staphylococcus aureus in the skin</i>
June 6, 2024	Peter Timms, PhD	University of Sunshine Coast	<i>Development of a Chlamydia vaccine for koalas</i>
September 24, 2024	Anne Sperling, PhD	University of Virginia	<i>Adaptive immune responses in progressive pulmonary fibrosis</i>
October 8, 2024	Maria-Luisa Alegre, MD, PhD	University of Chicago	<i>Vulnerabilities to transplantation tolerance</i>
October 22, 2024	Max Konig, MD	Johns Hopkins University	<i>Chimeric autoantigen-T cell receptor (CATCR)-T cell therapies to selectively target autoreactive B cells</i>
November 19, 2024	Joseph Mougous, PhD	University of Washington	<i>It's raining toxins: Diverse mechanisms of interbacterial antagonism</i>
December 3, 2024	Colleen Jonsson, PhD	University of Tennessee	<i>Discovery of novel, brain penetrant antivirals for treatment of neurotropic</i>

			<i>alphaviruses</i>
December 17, 2024	Eline Luning Prak, MD, PhD	University of Pennsylvania	<i>Tissue-based B cells in the human pancreas program T1D organ donors</i>
January 14, 2025	Stephanie Ragland, PhD	Harvard University	<i>Phagosome-mediated activation of STING by purine and pyrimidine-based bacterial cyclic dinucleotides</i>
January 28, 2025	Emmanuelle Genoyer, PhD	University of Washington	<i>Spatial regulation of innate immune sensing during RNA virus infection</i>
February 11, 2025	David Morgens, PhD	University of California, Berkley	<i>Complex transcriptional regulation of viral gene expression</i>
February 18, 2025	Jason Nomburg, PhD	University of California, San Francisco	<i>Structure-guided discovery in the viral proteome</i>
March 11, 2025	*Judith Behnsen, PhD	University of Illinois	<i>Cross-kingdom interactions: How a commensal yeast promotes Salmonella virulence</i>
March 25, 2025	Megan Baldridge, MD, PhD	Washington University	<i>New insights into Astrovirus pathogenesis</i>
April 8, 2025	Leigh Knodler, PhD	University of Vermont	<i>Studying the understudied: Enteropathogenic Providencia</i>
May 6, 2025	*Anna Marie Seekatz, PhD	Clemson University	<i>Defining Clostridial interactions in the human gut</i>
May 20, 2025	*Stavroula Hatzios, PhD	Yale University	<i>Redox regulation of host–microbe interactions</i>
June 3, 2025	Jonathan Abraham, MD, PhD	Howard Hughes Medical Institute	<i>Alphavirus interactions with cellular receptors</i>
September 23, 2025	Katherine Lemon, MD, PhD	Baylor College of Medicine	<i>Pick me! Microbial interactions in the nasal microbiome</i>
October 7, 2025	Johann Gudjonsson, MD, PhD	University of Michigan	<i>Hidradenitis Suppurativa: Clinical features and pathogenic mechanisms</i>
October 21, 2025	Chance Meers, PhD	Vanderbilt University	<i>Transposable elements at the origins of RNA-guided mechanisms and beyond</i>
November 4, 2025	Matthew Lawrenz, PhD	University of Louisville	<i>A plague on your PMNs! Active subversion of neutrophils by Yersinia pestis</i>
November 18, 2025	Megan A. Cooper, MD, PhD	Washington University	<i>Re-thinking genetic mechanisms of inborn errors of immunity</i>
December 2, 2025	Erica Saphire, PhD	La Jolla Institute for Immunology	<i>Human antibodies against Measles virus</i>
December 16, 2025	Paul Carter, PhD	Genentech, Inc.	<i>Fifty years of monoclonals: From hybridomas to future antibody therapeutics</i>
January 6, 2026	*Jatin Roper, MD	Duke University	<i>Mechanisms of obesity-associated colorectal cancer</i>
January 20, 2026	Dean Tantin, PhD	University of Utah	<i>Targeting transcriptional regulators in autoimmunity and anti-tumor immunity</i>
February 3, 2026	Tuli Mukhopadhyay, PhD	Indiana University	<i>Virus assembly: Small changes, big consequences</i>

February 17, 2026	J. Oriol Sunyer, PhD	University of Pennsylvania	<i>The fishy origins of immunoglobulin- microbiome interactions</i>
March 17, 2026	Allison Didychuk, PhD	Yale University	<i>How to build a herpesvirus</i>
March 24, 2026	Richard E. Lee, PhD	St. Jude Children's Research Hospital	<i>Fighting intrinsic resistance in Mycobacteria</i>
March 31, 2026	Lauren Palmer, PhD	University of Illinois	<i>Amino acid competition shapes Acinetobacter baumannii gut colonization</i>
April 14, 2026	*Jill Weatherhead, MD, PhD	Baylor University	<i>Rethinking the Ascaris life cycle: The surprising impact of the stomach on Ascaris infection</i>
April 28, 2026	Rob Welner, PhD	University of Alabama, Birmingham	<i>Understanding evolving clonal fitness across the myeloid malignancy continuum</i>
May 5, 2026	John Wherry, PhD	University of Pennsylvania	<i>Molecular mechanisms of CD8 T-cell exhaustion</i>
May 12, 2026	Allison Lopatkin, PhD	University of Rochester	<i>Determinants of plasmid acquisition and selection</i>
October 13, 2026	Justin D. Radolf, MD	University of Connecticut	<i>TBD</i>
October 27, 2026	Uli von Andrian, MD, PhD	Harvard University	<i>TBD</i>
November 10, 2026	Andrea Schietinger, PhD	Memorial Sloan Kettering	<i>TBD</i>
December 8, 2026	*Wendy Garrett, MD, PhD	Harvard University	<i>TBD</i>