CENTER FOR VIROSCIENCE AND CURE SEMINAR

Children's Healthcare of Atlanta

Laboratory of Biochemical Pharmacology, Emory

Center of Viroscience and Cure

CFAR

CENTER FOR VIROSCIENCE AND CURE SEMINAR

THURSDAY, MAY 14, 2026

3:30 PM ET

Conference Room HSRB II, N600 (space limited) & Zoom (Registration required)

Ujjwal Neogi, PhD

Reprogramming Immunometabolic Memory to Target Viral Persistence

Iva Filipovic, PhD

Defining the Natural Killer Cell Landscape in Viral Infections Using Systems Immunology

Scan Me

Ujjwal Neogi, Ph.D., is a Senior Lecturer in Systems Biology and Docent of Virology at Karolinska Institutet, where he founded and leads the Systems Virology Lab. He earned his Ph.D. from Karolinska Institutet in 2013 and joined the Department of Laboratory Medicine in 2015. His research focuses on understanding immune control of viral infections—particularly HIV and emerging viruses such as SARS-CoV-2—using systems biology and multi-omics approaches. His work has advanced insights into metabolic rewiring during RNA virus infections and the role of the microbiome in viral pathogenesis. Dr. Neogi also leads large international collaborations, including an EU Horizon-funded project, with the goal of identifying mechanisms of natural viral control and developing innovative therapeutic strategies, including functional cures.

Dr. Iva Filipovic is a translational immunologist with expertise in systems immunology, biomarker discovery, and single-cell biology across health and disease. She integrates high-dimensional single-cell approaches—including scRNA-seq, multi-omics profiling, and computational systems modeling—to define immune cell states that drive disease severity and identify clinically actionable biomarkers.

Her work spans viral infections, sepsis, HIV, and dengue, and she contributed to the first characterization of natural killer cell responses in COVID-19. She has developed and implemented advanced single-cell platforms across diverse disease contexts to uncover mechanisms of immune regulation and disease pathogenesis.