



**Center for Excellence in HIV and
Cancer Virology
Fall Think Tank 2023
Natcher Conference Center (Building 45), E1/E2**

8:50 – 9:00 *Opening Remarks – Vinay Pathak and Cynthia Masison*

9:00 – 10:00 **John Schiller-**“The Surprises in Developing HPV Virus-Like Particles as an HPV Prophylactic Vaccine and a Broad-Spectrum Cancer Therapy.”

Chairs: Prabha Shrestha and Alice Duchon

10:00 – 10:15 Ameera Mungale-“Vascular Endothelial Growth Factor Receptors Regulate the KSHV Replication Cycle”

10:15 – 10:30 Lulu Yu-“HPV Oncogenes Expressed From Only One of Multiple Integrated HPV DNA Copies Drives Clonal Expansion in Cervical Cancer”

10:30 – 10:45 Subhajit Chatterjee-“Sublethal Doses of Genotoxic Chemotherapeutics and Antivirals Promote Polyomavirus Replication”

10:45 – 11:00 Sarkis Sarkis-Infection by HTLV-1A and HTLV-1A/C Chimeric Virus Results in Distinct Proteomic Inflammatory Profile in Rhesus Macaques”

11:00— 11:15 Joshua Gluck-“Intact Proviruses Persist in Expressed Genes in People with Non-Suppressible HIV on Long-term ART”

11:15 – 11:25 *Break.....*

Chairs: Debananda Das and Mohammad Arif Rahman

11:25 – 11:40 Yuta Hikichi-“High-level Resistance to Integrase Inhibitors Conferred by Mutations Outside Integrase”

11:40 – 11:55 Ryan Burdick-“HIV-1 Uncoating requires reverse transcription of long double-stranded DNA”

11:55 – 12:10 Xue Zhi Zhao-“Structure-guided Optimization of HIV Integrase Strand Transfer Inhibitors with Improved Efficacy Against a Broad Panel of Viruses Having Resistant Mutant Forms of Integrase”

12:10 – 12:25 Jonathan Kitzrow-“HIV-1 Transcription Start Site Mutations Negatively Impact Selective Genome Packaging”

12:25 – 12:55 *Lunch Break.....*

12:55 – 2:00 *Poster Session (rooms F1/F2).....*

2:00 **Afternoon session**

2:00 – 3:00 **Genoveffa Franchini-**“Innate and Adaptive Immunity to Prevent SIV/HIV Infection “

Chairs: Abdul Waheed and Yongjun Sui

3:00 – 3:15 Dipanwita Mitra-“Vaccination with Replication-Dead Murine Gammaherpesvirus Protects Against Wild-Type Infection and Reactivation in Mice”

3:15 – 3:30 Annemarie Glassy-“Clonal Expansion and Driving Forces of HIV-1 Persistence in Anatomic Compartments”

- 3:30 – 3:45 Scott Norberg– “Manufacturing TCR-T cell Therapy Treatments Targeting HPV E7 in Patients with HIV and HPV-associated Cancer”
- 3:45 – 4:00 Emma Treco-“The Effects of Novel Cereblon-binding Immunomodulators on Primary Effusion Lymphoma”
- 4:00 – 4:15 Massimiliano Bissa-“In Vivo Treatment with Insulin-like Growth Factor 1 Reduces CCR5 Expression on Vaccine-Induced Activated CD4+ T cells”
- 4:15-4:25 **Break**.....
- 4:25 – 4:50 Ramya Ramaswami-“Beneath the Surface - Exploring Kaposi Sarcoma and Other KSHV-associated Disorders”**
- 4:50 – 5:00 ***Closing Remarks and Announcement of Travel Award Winners***

