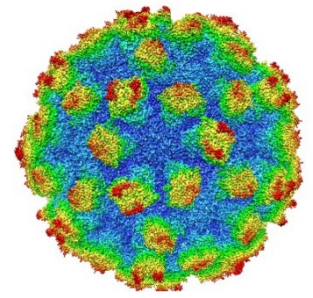


2nd Annual University of Florida Virology Retreat

Sweetwater Branch Inn

December 7, 2023



7:30 – 8:15am CONTINENTAL BREAKFAST

8:15 – 8:30am INTRODUCTION by Stephanie Karst

8:30AM – 10:00AM SESSION 1: VIRAL EVOLUTION & EPIDEMIOLOGY

CONVENERS: TBA

8:30 – 9:20 **KEYNOTE SPEAKER: ANICE LOWEN**, Dept. of Microbiology & Immunology, Emory University School of Medicine

Barcodes, bottlenecks and influenza A virus population dynamics

9:20 – 9:40 **MARCO SALEMI**, Department of Pathology, Immunology & Laboratory Medicine, College of Medicine

Emerging pathogens in the age of AI – from pathogenesis to forecasting

9:40 – 10:00 **SADIE RYAN**, Department of Geography, College of Liberal Arts and Sciences

Mapping climate-driven mosquito borne diseases

10:00 – 10:20 COFFEE BREAK

10:20AM – 12:00PM SESSION 2: EMERGING VIRUSES

CONVENERS: TBA

10:20 – 10:40 **STEPHANIE KARST**, Department of Molecular Genetics & Microbiology, College of Medicine

Metabolite-mediated regulation of norovirus disease

10:40 – 11:00 **JOHN LEDNICKY**, Dept. of Environmental & Global Health, College of Public Health and Health Professions

Collection of viable airborne SARS-CoV-2 and other respiratory viruses – recent lessons

11:00 – 11:20 **ERIC CARAGATA**, IFAS Florida Medical Entomology Laboratory (Vero Beach)

Mosquito microbiota effect on viruses

11:20 – 12:00 **TRAINEE TALKS**

12:00 – 1:30 LUNCH & POSTER SESSION

1:30PM – 3:10PM SESSION 3: VIRAL REPLICATION

CONVENERS: TBA

1:30 – 1:50 **SARAH DOORE**, Department of Microbiology & Cell Science, IFAS

Mechanisms of the Bacteriophage Sf14 Infection Cycle, from Attachment to Assembly

1:50 – 2:10 **ZSOLT TOTH**, Department of Oral Biology, College of Dentistry

KSHV: To be or not to be in latency after infection?

2:10 – 2:30 **YING WANG**, Department of Plant Pathology, IFAS

A foreign RNA's journey in cells

2:30 – 3:10 **TRAINEE TALKS**

3:10 – 3:30 COFFEE BREAK

3:30PM – 5:00PM SESSION 4: VIRUS-HOST INTERACTIONS

CONVENERS: TBA

3:30 – 4:20 **KEYNOTE SPEAKER: FANXIU ZHU**, Department of Biological Science, Florida State University

Inhibition of cGAS by KicGAS

4:20 – 4:40 **EMILY MOSER**, Department of Medicine, College of Medicine

The ubiquitin ligase Cul4b promotes viral-induced B cell responses

4:40 – 5:00 **STEEVE BOULANT**, Department of Molecular Genetics & Microbiology, College of Medicine

Impact of low oxygen levels in the intestinal tract on enteric pathogen infection

5:00PM – 7:00PM **DINNER RECEPTION**