

# PROGRAM SCHEDULE



**MAY 20-24, 2024**  
**GOLD COAST**  
**AUSTRALIA**

# ICAR2024

**37<sup>TH</sup>** International Conference  
on Antiviral Research (ICAR)

HOSTED BY International Society for Antiviral Research (ISAR)

## Sunday, May 19, 2024

1:00 PM – 6:00 PM

### Pre-Conference Symposium: An Australasian Virology Mini Symposium – Advancing Knowledge, Protecting People

GRIFFITH UNIVERSITY GOLD COAST CAMPUS

Separate registration required.

[Click here for more info](#)

## Monday, May 20, 2024

12:00 PM – 1:45 PM

### Special Event: Women in Science Roundtable

PHOENIX ROOM

Chaired by

**Rhonda Carter**

**This event is at capacity.**

*If you have joined the waitlist, you will be notified if there are any openings.*

2:00 PM – 4:15 PM

### Opening Session and Plenary Session

NORFOLK BALLROOM

Chaired by

**Luis Schang** and **Kathie Seley-Radtke**

**001. Virus Emergence at the Human-Animal Interface**  
**Edward C. Holmes, FAA, FRS**, The University of Sydney, Australia, Sydney, NSW, Australia

**002. Therapeutic Drug Development For Acute Viral Diseases: Lessons Learned and Future Perspective from a Clinician-Scientist and Can We Do Better?**  
**Jenny G. Low, MBBS, MPH**, Singapore General Hospital, Duke NUS Medical School, Singapore, Singapore

4:15 PM – 4:30 PM

### Break

NORFOLK FOYER

4:30 PM – 5:30 PM

**Gertrude Elion Memorial Award Lecture**

NORFOLK BALLROOM

Chaired by

**Luis Schang** and **Kathie Seley-Radtke**

- 003. My Battle Against Viruses**  
**Professor Johan Hendrik Neyts**, *KU Leuven, Belgium*

5:30 PM – 6:30 PM

**Opening Reception**

RELISH GRILL AND BAR

**Tuesday, May 21, 2024**

8:30 AM – 9:15 AM

**William Prusoff Memorial Award Lecture**

NORFOLK BALLROOM

Chaired by

**Luis Schang** and **Kathie Seley-Radtke**

- 004. Viral Hemorrhagic Fevers: Challenges and Gains of Animal Model Research for Pre-Clinical Vaccine and Antiviral Screening**  
**Jessica R. Spengler, D.V.M., Ph.D, M.P.H.**, *US Centers for Disease Control and Prevention, Atlanta, GA, United States*

9:15 AM – 10:00 AM

**Broad Spectrum Antiviral Drugs, Non-respiratory Biothreat Viruses, and Pandemic Preparedness**

NORFOLK BALLROOM

Chaired by

**John Bilello** and **Subash Vasudevan**

- 005. Oral Pharmacokinetics and Efficacy of Modified Oral Lipid RVn Prodrugs Against SARS-CoV-2 in Mice**  
**Aaron F. Carlin, M.D. Ph.D**, *Department of Pathology and Medicine, University of California at San Diego, La Jolla, California, United States*
- 006. Towards a Novel Host-Targeted Anti-Infective Strategy Against COVID-19 and Other Acute Respiratory Viral Diseases**  
**Stephan Ludwig, PhD**, *Institute of Virology, Muenster, Germany*
- 007. Exploring Viral RNA Methyltransferases for Antiviral Drug Design**  
**Radim Nencka, Ph.D.**, *Institute of Organic Chemistry and Biochemistry, Czech Academy of Sciences, Prague, Czech Republic*
- 008. Targeting Host Kinases to Identify Novel Broad-Spectrum Antiviral Strategies**  
**Valeria Cagno, Ph.D.**, *Institute of Microbiology, Lausanne University Hospital, University of Lausanne, Lausanne, Vaud, Switzerland*

10:00 AM – 11:00 AM  
NORFOLK BALLROOM

## PechaKucha Competition

Chaired by  
**Kathie Seley-Radtke**

11:00 AM – 11:15 AM

## Break

NORFOLK FOYER

11:15 AM – 12:15 PM

## Broad Spectrum Antiviral Drugs, Non-respiratory Biothreat Viruses, and Pandemic Preparedness *(continued)*

NORFOLK BALLROOM

Chaired by  
**John Bilello** and **Subash Vasudevan**

- 009. **UNAPP: A Unique Academic-Industrial Partnership for Antiviral Research in Pandemic Preparedness**  
*Xuping Xie, Ph.D., UTMB, Galveston, Texas, United States*
- 010. **Molnupiravir Extends its Broader Spectrum of Activity to Human Norovirus and Rotavirus in 3D Human Intestinal Enteroids**  
*Nanci Santos-Ferreira, KU Leuven, Rega Institute, Laboratory of Virology and Chemotherapy, Leuven, Belgium*
- 011. **Targeting mpox Virus Resolvase (Mpr): In Vitro Assay Development and Inhibitors**  
*Zhengqiang (ZQ) Wang, Ph.D., Center for Drug Design, College of Pharmacy, University of Minnesota, Minneapolis, Minnesota, United States*
- 012. **Potential Genetic Determinants Affecting Virulence of Heartland Bandavirus Infection in Mice and Therapeutic Intervention with the Ribonucleoside Analog, EIDD-2749**  
*Jonna B. Westover, Ph.D., Institute for Antiviral Research, Utah State University, Logan, Utah, United States*

12:15 PM – 1:45 PM

## Lunch

*(included for all conference registrants)*

RELISH GRILL AND BAR

12:30 PM – 1:30 PM

## Special Event: Career Development Roundtable

PHOENIX ROOM

Chaired by  
**Leen Delang**

**This event is at capacity.**

*If you have joined the waitlist, you will be notified if there are any openings.*

1:45 PM – 2:30 PM

## Diversity in Science and Excellence Award Lecture

NORFOLK BALLROOM

Chaired by  
**Victor Garcia-Martinez** and **Luis Schang**

- 013.** **Chasing an HIV Cure: The Intersection of Biological Sex and Latency Reversal**  
**Nancie Marie Archin, PhD**, *The University of North Carolina UNC HIV Cure Center, Chapel Hill, North Carolina, United States*

2:30 PM – 3:30 PM

## Coronaviruses, Influenza, RSV, and Other Respiratory Viruses

NORFOLK BALLROOM

Chaired by  
**Rhonda Cardin** and **Tim Sheahan**

- 014.** **Drug Discovery Efforts Towards Human Metapneumovirus**  
**Larissa Dirr, Ph.D.**, *Institute for Glycomics, Griffith University, Australia*
- 021.** **Nanobodies Against COVID-19 and Other Emerging Viruses**  
**Fang Li, Ph.D.**, *University of Minnesota, Minneapolis, MN, United States*
- 016.** **Activating the RIG-I Pathway by RNA Agonists or Small Molecule Drugs Triggers Innate Immune Programming to Control Infection by Influenza A virus and SARS-COV2**  
**Amina Negash, Ph.D.**, *Center for Innate Immunity and Immune Disease, Department of Immunology, University of Washington, Seattle, Washington, United States*
- 017.** **Understanding and Inhibiting SARS-CoV-2 NiRAN Domain Catalytic Activities Through Structural Studies and Large-Scale Docking**  
**Gabriel Small**, *Laboratory of Molecular Biophysics at The Rockefeller University, New York, NY, United States*

3:30 PM – 3:45 PM

## Break

NORFOLK FOYER



3:45 PM – 5:00 PM

**Coronaviruses, Influenza, RSV, and Other Respiratory Viruses** *(continued)*

NORFOLK BALLROOM

Chaired by

**Rhonda Cardin** and **Tim Sheahan**

- 018. Combating Emerging Henipaviruses**  
**Daniel Watterson, PhD**, University of Queensland, Brisbane, Australia
- 019. Design of SARS-CoV-2 Papain-like Protease Inhibitor with Antiviral Efficacy in a Mouse Model**  
**Jun Wang**, Rutgers, The State University of New Jersey, Piscataway, New Jersey, United States
- 020. Identification of Adenosine Analogues that Inhibit the N7 Methyltransferase Activity of SARS-CoV-2**  
**Adrien Delpal, Ph.D**, AFMB, Marseille, France
- 015. Identification of Novel Small-Molecule Inhibitors of SARS-CoV-2 by Chemical Genetics**  
**Shuofeng Yuan**, The University of Hong Kong, Hong Kong (SAR China)
- 022. Intranasal Administration of a Live Attenuated Vaccine Derived from NSP16-deficient SARS-CoV-2 Confers Sterilizing Immunity in Rodent Models**  
**Zi-Wei Ye, Ph.D.**, The University of Hong Kong, Hong Kong, Hong Kong (SAR China)

5:00 PM – 7:00 PM

**Poster Session 1**

MONACO AND SIFU

*Light food and beverages provided.*

5:00 PM – 6:00 PM

**ODD numbered posters**

6:00 PM – 7:00 PM

**EVEN numbered posters**

Wednesday, May 22, 2024

8:30 AM – 9:10 AM

**Chronic, Latent, and Persistent Viruses -  
Retroviruses and Herpesviruses**

NORFOLK BALLROOM

Chaired by

**Joy Feng** and **Zlatko Janeba**

- 023. Development of Broad-Spectrum Antiviral Drugs**  
**Hong Liu, PhD**, Shanghai Institute of Materia Medica, Chinese Academy of Sciences, Shanghai, China
- 024. Some Capsid/Core Assembly Modulators (CAMs) Can Induce an Inhibition of HBV RNA Biogenesis**  
**David Durantel, Ph.D.**, Equipe Hepvir, CIRI, Inserm U1111, CNRS UMR5308, ENS-Lyon, UCBL1, Lyon, France

9:10 AM – 10:30 AM

**Late-breaking Oral Presentations and  
Hepatotropic and GI Viruses**

NORFOLK BALLROOM

Chaired by

**Kara Carter** and **David Durantel**

- 080. Design and Synthesis of Clickable Photoaffinity Probes for Binding Site Identification on Yellow Fever Virus NS4B Target Built upon a Benzodiazepine Antiviral**  
**Yanming Du**, Baruch S. Blumberg Institute, Doylestown, PA, United States
- 081. Establishment of the First High-Throughput Screening Assay for Rhinovirus C Antiviral Drug Discovery**  
**Erion Lyoo, Ph.D.**, KU Leuven, Leuven, Belgium
- 082. Suppression of Hepatitis B Virus Replication and Protein Expression Using CRISPR-Cas13b – Pre-clinical Investigations of a New Antiviral Approach**  
**Margaret Littlejohn, Ph.D, VIDRL**, Royal Melbourne Hospital at the Peter Doherty Institute for Infection and Immunity, Australia
- 083. The CD8+T Cells Response is Sufficient for Protection with a CCHFV M-segment Based DNA Vaccine and GP38 Enhances Vaccine Immunogenicity**  
**Aura Garrison, Ph.D.**, USAMRIID, Frederick, United States
- 084. Unveiling Host-cell Glycosylation Changes Upon Parainfluenza Virus Infection**  
**Plabon Kumar Das, M. S.**, Institute for Glycomics, Griffith University, Gold Coast Campus, Qld, Australia, Gold Coast Australia, Queensland, Australia
- 029. Advances Toward HBV Cure**  
**Margaret Littlejohn, Ph.D, VIDRL**, Royal Melbourne Hospital at the Peter Doherty Institute for Infection and Immunity, Australia

10:30 AM – 10:45 AM

## Break

NORFOLK FOYER

10:45 AM – 12:15 PM

## Arboviruses

NORFOLK BALLROOM

Chaired by

**Lara Herrero** and **Dahai Luo**

- 030. Beyond Retroviruses: Restriction of Flavivirus Replication by TRIM5 $\alpha$**   
**Sonja Marie Best, PhD**, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Hamilton, Montana, United States
- 031. Liver-targeted Therapeutic siRNAs Against Highly Conserved Yellow Fever Virus Genomic Sequences Effectively Limit Infection and Mortality in a Hamster Model**  
**Justin G. Julander, Ph.D.**, Institute for Antiviral Research, Utah State University, Logan, Utah, United States
- 032. Ingestion of the Antiviral Drug JNJ-A07 by Mosquitoes During Blood-feeding Significantly Reduced Dengue Virus Transmission**  
**Ana Lucia Rosales Rosas**, KU Leuven, Leuven, Belgium
- 033. Structural Basis of Dengue and Zika Virus NS1 Multimerization and Antibody Recognition**  
**Alvin Bing Liang Chew**, Nanyang Technological University, Singapore
- 034. Identification of mRNA Processing Machinery as Druggable Host Factor Targets for Dengue Virus Infection**  
**Min Jie Alvin Tan, Ph. D.**, Duke-NUS Medical School, Singapore
- 035. Discovery of Pan-flavivirus Protease Inhibitors**  
**Christoph Nitsche**, Australian National University, Canberra, ACT, Australia
- 036. Combination Therapy of Approved Drugs Potentiates Broad-spectrum Antiviral Activity Against Alphaviruses in Human Skin Fibroblasts And Mice**  
**Leen Delang, PhD**, KU Leuven, Leuven, Belgium

12:15 PM – 2:15 PM

## Poster Session 2

MONACO AND SIFU

Lunch provided.

12:15 PM – 1:15 PM

**EVEN numbered posters**

1:15 PM – 2:15 PM

**ODD numbered posters**



Thursday, May 23, 2024

8:30 AM – 9:20 AM

**Machine Learning and Computational Approaches  
for Antiviral Research**

NORFOLK BALLROOM

Chaired by

**Alpha Lee** and **Joshua Schiffer**

- 037. Accelerating Antiviral Discovery with Artificial Intelligence**  
**Alpha Lee**, PostEra, Cambridge, MA, United States
- 038. Atomistic Model of the Coronavirus nsp3/nsp4 Double Membrane Vesicle Pore**  
**Jason K. Perry, Ph.D.**, Gilead Sciences, Inc., Foster City, CA, United States
- 039. Antiviral Therapy Optimization for SARS-CoV2: A Mathematical Modeling Approach**  
**Shadi Sadat Esmaeili-Wellman, Ph.D.**, Fred Hutch Cancer Center, Seattle, WA, United States

9:20 AM – 10:20 AM

**Coronaviruses, Influenza, RSV, and Other Respiratory Viruses**

NORFOLK BALLROOM

Chaired by

**Larissa Dirr** and **Mark von Itzstein**

- 040. Click Chemistry-based Rapid Identification and Crystallographic Studies of Novel 1,2,3-Triazole-bearing Diazabicyclooctane Derivatives as Non-Covalent SARS-CoV-2 Mpro Inhibitors with Potent Antiviral Activity and Improved Drug-resistance Profile**  
**Peng Zhan, Ph.D.**, Shandong University, Jinan, China
- 041. Identification of Small-Molecule Inhibitors of Coronaviruses by Targeting Protein-Protein Interactions in RNA-Dependent RNA Polymerase Complex**  
**Jeremy Blavier, MS**, Viral Interactomes Laboratory, GIGA Institute, University of Liege, Liege, Belgium
- 042. A CRISPR/Cas9 Genetically Engineered Organoid Biobank To Study Coronavirus Host Factors**  
**Mart Matthias Lamers**, Duke-NUS, Singapore

10:20 AM – 10:35 AM

**Break**

NORFOLK FOYER

10:35 AM – 11:25 AM

**Coronaviruses, Influenza, RSV, and Other Respiratory Viruses** *(continued)*

NORFOLK BALLROOM

Chaired by

**Larissa Dirr** and **Mark von Itzstein**

- 043. Identification of Novel Host Proteins that are Associated with Macrophage Control of Influenza A Virus Replication**  
**Sarah L. Londrigan, PhD**, Department of Microbiology and Immunology, The University of Melbourne, Peter Doherty Institute, Melbourne, Victoria, Australia
- 044. A Mouse Model of Human Parainfluenza Virus Type 3 Infection to Study Prophylactic and Therapeutic Modalities**  
**Yuxia Lin, Ph.D**, KU Leuven, Leuven, Belgium
- 045. Engineering Protease-resistant Peptides to Inhibit Human Parainfluenza Viral Respiratory Infection**  
**Anne Moscona, M.D.**, Columbia University Vagelos College of Physicians and Surgeons, New York, NY, United States
- 046. Aptamer-based Glycoprotein Broad-spectrum Blocking Strategy Inhibits Respiratory Syncytial Virus Infection**  
**Ge Yang**, Institute of Medicinal Biotechnology, Chinese Academy of Medical Sciences and Peking Union Medical, Beijing, China
- 047. Inhibition of Rhinovirus Infection in Differentiated Primary Human Bronchial Epithelial Cells by Nanoparticle-Encapsulated Small Interfering RNA**  
**Nathan Bryant**, University of Newcastle, Newcastle, NSW, Australia
- 048. Development of Small Molecule Entry Inhibitors as Novel Therapeutics against Influenza Viruses**  
**Lijun Rong, Ph.D.**, University of Illinois Chicago, Chicago, Illinois, United States; Chicago BioSolutions, Inc., Chicago, Illinois, United States

11:25 AM – 12:00 PM

**Chronic, Latent, and Persistent Viruses – Retroviruses and Herpesviruses**

NORFOLK BALLROOM

Chaired by

**Gerald Kleymann** and **Jennifer Moffat**

- 050. The B Cell Repertoire in Multiple Sclerosis Reveals Molecular Mimicry between EBV EBNA1 and GlialCAM**  
**Tobias V. Lanz, MD**, Stanford University, Stanford, CA, United States

12:00 PM – 12:15 PM

## ISAR Annual Business Meeting

NORFOLK BALLROOM

PRESIDENT: **Kathie Seley-Radtke**

TREASURER: **Brian Gowen**

SECRETARY: **Brian Gowen** on behalf of **Jinhong Chang**

12:15 PM – 1:45 PM

## Lunch

(included for all conference registrants)

RELISH GRILL AND BAR

1:45 PM – 2:30 PM

## Women in Science and Excellence Award Lecture

NORFOLK BALLROOM

Chaired by

**Rhonda Cardin** and **Kathie Seley-Radtke**

### 051. From Target to Treatment

**Judith Breuer, MD, FRCPath, FMedSci**, University College London and Great Ormond Street Hospitals, London, England, United Kingdom

2:30 PM – 3:30 PM

## Arboviruses

NORFOLK BALLROOM

Chaired by

**Lara Herrero** and **Dahai Luo**

### 052. Medicinal Chemistry Optimization and Therapeutic Efficacy of 2-Pyrrolidinoquinazolinones in Lethal Murine Models of Venezuelan and Eastern Equine Encephalitis Viruses

**Jennifer E. Golden, Ph.D.**, Division of Pharmaceutical Sciences, School of Pharmacy, University of Wisconsin-Madison, Madison, Wisconsin, United States

### 053. Design, Synthesis, and Lead Optimisation of Piperazinyl-Pyrimidine Analogues as Potent Small Molecules Inhibitors of Chikungunya Virus

**Verena Battisti, Ph.D.**, University of Vienna, Vienna, Vienna, Austria

### 054. Suicidal Capsid Protease from O'nyong'nyong Virus: Unveiling the Inhibitory Potential of Indole Derivatives

**Yuliya Chykunova**, Virogenetics Laboratory of Virology, Malopolska Centre of Biotechnology, Jagiellonian University, Krakow, Poland

### 055. Treatment with 6MMPr Potentiates the Activity of Favipiravir in a Hamster Model of Yellow Fever

**Justin G. Julander, Ph.D.**, Institute for Antiviral Research, Utah State University, Logan, Utah, United States

3:30 PM – 3:45 PM

## Break

NORFOLK FOYER

3:45 PM – 4:45 PM

## Broad Spectrum Antiviral Drugs, Non-respiratory Biothreat Viruses, and Pandemic Preparedness

NORFOLK BALLROOM

Chaired by

**John Bilello** and **Subash Vasudevan**

- 056. Cellular and Molecular Mechanisms of Arboviral Immunity**  
*Lisa Ng, Ph.D., A\*STAR Infectious Diseases Labs, Singapore*
- 057. Development and Mechanism of Novel Diphyllin Derivatives Against Ebola Virus Infection**  
*Patrick Keiser, PhD Candidate, NEIDL, Department of Virology, Immunology, and Microbiology, Boston University, Boston, MA, United States*
- 058. Identification and Evaluation of Novel Lassa Virus Entry Inhibitors Using Computational Counter Screening And Chemical Informatics**  
*Brianna Close, Boston University, Boston, Massachusetts, United States*
- 059. Identification of a Macrocyclic Compound Targeting the Lassa Virus Polymerase**  
*Mike J. Flint, Ph.D., Centers for Disease Control and Prevention, Atlanta, GA, United States*

4:45 PM – 5:00 PM

## Break

NORFOLK FOYER

5:00 PM – 6:00 PM

## Broad Spectrum Antiviral Drugs, Non-respiratory Biothreat Viruses, and Pandemic Preparedness (continued)

NORFOLK BALLROOM

Chaired by

**John Bilello** and **Subash Vasudevan**

- 060. Tribbles Pseudokinase 3 Promotes Enterovirus A71 Infection via Dual Mechanisms**  
*Huiqiang Wang, Institute of Medicinal Biotechnology, Chinese Academy of Medical Sciences, Beijing, China*
- 061. Generation and Optimization of Bangladesh and Malaysian Recombinant Reporter Nipah Viruses for Antiviral Screening in vitro and Disease Modeling in vivo**  
*Michael K. Lo, Ph.D., US Centers for Disease Control and Prevention, Atlanta, GA, United States*
- 062. Intranasal Route to Immunity: Single Dose Mucosal Delivery of Viral Replicon Particle Vaccine Protects Uniformly Against Lethal Nipah Virus Challenge In African Green Monkeys**  
*Stephen R. Welch, US Centers for Disease Control and Prevention, Atlanta, United States*

- 063. Evaluation of Small Molecules as Promising Broad-Spectrum Anti-Filoviral Agents**  
**Jazmin Galvan Achi**, *University of Illinois Chicago, Chicago, Illinois, United States*
- 064. Small Molecule Antiviral Candidates for Rift Valley Fever**  
**Wenjun Ma**, *University of Missouri, Columbia, Missouri, United States*
- 065. In Silico Tools for Antiviral Research and Future Pandemic Forecasting**  
**Eugene Muratov, Ph.D.**, *University of North Carolina, Chapel Hill, North Carolina, United States*

7:00 PM – 10:00 PM

### Closing Event

NORFOLK BALLROOM & POOLSIDE

## Friday, May 24, 2024

9:00 AM – 10:20 AM

### Hepatotropic and GI Viruses

NORFOLK BALLROOM

Chaired by

**Kara Carter** and **David Durantel**

- 066. Hepatitis B Virus cccDNA Biosynthesis, Epigenetics, and Antiviral Development**  
**Haitao Guo, Ph.D.**, *University of Pittsburgh, Pittsburgh, Pennsylvania, United States*
- 067. Discovery of a Pan-genotype Hepatitis E Virus Replication Inhibitor Exerting Potent in vivo Efficacy**  
**Suzanne Kaptein, Ph.D.**, *Rega Institute for Medical Research, KU Leuven, Leuven, Belgium*
- 068. Functional Evaluation and Mode of Action of a Novel Non-nucleoside Drug Inhibiting the Replication of Hepatitis Delta Virus**  
**David Durantel, Ph.D.**, *Equipe Hepvir, CIRI, Inserm U1111, CNRS UMR5308, ENS-Lyon, UCBL1, Lyon, France*
- 069. Discovery of First-in-Class Hydrophobic Tagging (HyT)-based Degradable of HBV Core Protein**  
**Shujing Xu, Ph.D.**, *Department of Medicinal Chemistry, Key Laboratory of Chemical Biology (Ministry of Education), Jinan, Shandong Province, China*
- 070. Proof of Concept: Exploring the Therapeutic Potential of G3BP1 Targeted Degradation Against Norovirus Infection**  
**Liliana Echavarria Consuegra, Dr.**, *University of Cambridge, Cambridge, United Kingdom*
- 071. Protease Inhibitor Activity Varies Between Genogroup I and Genogroup II Noroviruses**  
**Alice M. McSweeney**, *Otago University, New Zealand*

10:20 AM – 10:45 AM

**Break**

NORFOLK FOYER

10:45 AM – 11:15 AM

**Shotgun Presentations**

NORFOLK BALLROOM

Chaired by

**Two Trainees TBD**

11:15 AM – 12:30 PM

**Chronic, Latent, and Persistent Viruses – Retroviruses and Herpesviruses**

NORFOLK BALLROOM

Chaired by

**Joy Feng, Zlatko Janeba, Jennifer Moffat, and Gerald Kleymann**

- 072.** **Towards an HIV Cure: Novel Approaches to Reduce and Control the Reservoir**  
**Sharon R. Lewin, Ph.D.**, Department of Infectious Diseases, University of Melbourne, Doherty Institute, Melbourne, VIC, Australia
- 073.** **Antivirals Targeting the Conserved HIV-1 TIM-TAM Riboswitch Specifically Reactivate HIV-1 from Latency through Modulating Viral RNA-biology**  
**Damian FJ Purcell, Ph.D.**, Department of Microbiology and Immunology, University of Melbourne, Doherty Institute, Melbourne, VIC, Australia
- 074.** **Mechanisms of HIV-1 Hypersensitivity to Islatravir (4'-ethynyl-2-fluoro-2'-deoxyadeosine (EFdA))**  
**Alexa A. Snyder**, Emory University School of Medicine, Atlanta, Georgia, United States
- 075.** **HSV-1 Latency is Established in Human Neurons in which Viral Genes are Expressed and Viral DNA is Replicated during the Acute Infection**  
**Arryn Owens**, Cornell University, Ithaca, NY, United States
- 076.** **Evaluation and Pharmacokinetics of the POM-L-BH DU-MP Prodrug Against Varicella Zoster Virus and Herpes Simplex Virus 1 in vivo**  
**Jennifer F. Moffat, PhD**, SUNY Upstate Medical University, Syracuse, NY, United States