



SUNDAY, MAY 12, 2019

12:00 PM

WOMEN IN SCIENCE ROUNDTABLE

This session will address the challenges and opportunities encountered by female scientists while navigating the twists and turns of career progression in today's environment.

2:00 PM

WELCOME/KEYNOTE ADDRESS

Measles: A role for virus persistence?

Diane Griffin (Johns Hopkins University, Baltimore, MD)

ANTONIN HOLÝ MEMORIAL AWARD LECTURE

Remdesivir (GS-5734), a broad-spectrum antiviral agent

Richard Mackman (Gilead Sciences, Foster City, CA)

4:00 PM

INFLUENZA SYMPOSIUM

101 years of influenza: Lessons from the 1918 pandemic

Jeffery Taubenberger (NIAID, Bethesda, MD)

Update on influenza polymerase inhibitors

Frederick Hayden (University of Virginia School of Medicine, Charlottesville, VA)

A universal influenza virus vaccine based on the conserved stalk of hemagglutinin

Florian Krammer (Icahn School of Medicine at Mount Sinai, New York, NY)

5:30 PM

OPENING RECEPTION



ISAR

MONDAY, MAY 13, 2019

8:30 AM

WOMEN IN SCIENCE AWARD LECTURE

Function, activation and control of innate immune networks to HSV infection

Grace Zhou (Shenzhen International Institute for Biomedical Research; ImmunoVir Co., Ltd., Shenzhen, China)

EMERGING VIRUS SYMPOSIUM

Research for preparedness for arboviruses and hemorrhagic fever viruses in sub-Saharan Africa

Amadou Sall (Institut Pasteur, Dakar, Senegal)

Having an impact: Implementing WHO's global program on MERS

Maria Van Kerkhove (World Health Organization, Geneva, Switzerland)

Development of medical countermeasures against Nipah virus: A field perspective

Emily Gurley (Johns Hopkins University, Baltimore, MD)

Can we predict arbovirus epidemics?

Scott Weaver (UTMB Galveston, TX)

SHORT PRESENTATIONS 1

12:30 PM

POSTER SESSION 1 (Lunch will be provided)

2:30 PM

RETROVIRUS SYMPOSIUM

ISAR Award of Excellence – Human retroviruses (HTLV-1 and HIV): Current therapy and prevention

Robert Gallo (University of Maryland; Global Virus Network, Baltimore, MD)

Effects of broadly neutralizing antibody combinations in HIV-1 infection

Marina Caskey (Rockefeller University, New York, NY)

Long-acting, slow effective release antiretroviral therapy

Howard Gendelman (University of Nebraska Medical Center, Omaha)

The advancement of HIV NRTTIs for extended-duration dosing

Izzat Raheem (Merck, Philadelphia, PA)

4:45 PM

PECHAKUCHA COMPETITION & NEW MEMBER NETWORKING



TUESDAY, MAY 14, 2019

8:30 AM

WHAT'S NEW IN ANTIVIRAL RESEARCH 1

The interplay between virus and host innate immunity

Yan-Yi Wang (Wuhan Institute of Virology, China)

Antiviral treatment for patients with yellow fever: a new frontier

Michael Jacobs (Royal Free Hospital, London, UK)

Small molecules for big problems in large animals

Nesya Goris (ViroVet, Leuven, Belgium)

SHORT PRESENTATIONS 2

ISAR AWARD FOR OUTSTANDING CONTRIBUTION TO THE SOCIETY FOR MARK PRICHARD (University of Alabama, Birmingham)

12:00 PM LUNCH BREAK (on your own)

12:15 PM

CAREER DEVELOPMENT PANEL

1:15 PM

WILLIAM PRUSOFF YOUNG INVESTIGATOR

AWARD LECTURE

Developing antivirals against dengue

Marnix Van Look (Janssen Pharmaceutica NV (Johnson & Johnson))

MEDICINAL CHEMISTRY SYMPOSIUM

A retrospective of rational (and sometimes irrational!) nucleoside design modifications

Kathie Seley-Radtke (University of Maryland, Baltimore County, MD)

In search of novel antivirals using structure-based drug design approaches

Andrea Brancale (Cardiff University, Wales, UK)

Antivirals against chikungunya virus from a medchem perspective: challenges and lessons learned

María-Jesús Pérez-Pérez (Spanish National Research Council, Madrid, Spain)

Drug discovery using DNA-encoded chemical libraries

Anthony Keefe (X-Chem Pharmaceuticals, Waltham, MA)

SHORT PRESENTATIONS 3

POSTER SESSION 2

7:00 PM

ISAR NETWORKING EVENT (at Baltimore Visitor Center)

WEDNESDAY, MAY 15, 2019

8:30 AM

GERTRUDE ELION MEMORIAL AWARD LECTURE

The challenge of developing antivirals to treat eradicated disease

David Evans (University of Alberta, Canada)

WHAT'S NEW IN ANTIVIRAL RESEARCH 2

Novel utilization of smallpox medical countermeasures – challenges to vaccination against endemic Orthopoxvirus disease (Monkeypox)

Victoria Olson (US Centers for Disease Control, Atlanta, GA)

Polio eradication: Need for antivirals and progress to date

Marc S. Collett (ViroDefense, Rockville, MD)

Antivirals against dengue and Zika: new findings and future prospects

Subhash Vasudevan (Duke-National University of Singapore, Singapore)

SHOTGUN ORAL PRESENTATIONS AND AWARDS RECOGNITION

ISAR ANNUAL BUSINESS MEETING

12:00 PM LUNCH BREAK (on your own)

1:15 PM

DEVELOPING NEW ANTIVIRAL THERAPIES

Therapeutic strategies to combat cytomegalovirus infection

Rhonda Cardin (Louisiana State University, Baton Rouge)

New antivirals for chronic hepatitis B

Timothy Block (Hepatitis B Foundation, Doylestown, PA)

SHORT PRESENTATIONS 4 AND 5

Presentation of selected contributed abstracts

5:00 PM

MEETING CONCLUDES