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 LECTURE
Measles: A role for virus persistence?
Diane Griffin (Johns Hopkins University, Baltimore, MD)

ANTONÍN 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, NIH, Bethesda, MD)

Influenza antivirals: Recent developments
Frederick Hayden (University of Virginia School of Medicine, Charlottesville, VA)

A hemagglutinin stalk-based universal influenza virus vaccine
Florian Krammer (Icahn School of Medicine at Mount Sinai, New York, NY)

5:30 PM
OPENING RECEPTION

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 subsaharan Africa
Amadou Sall (Pasteur Institut, Dakar, Senegal)

WHO’s Global Program on MERS: Improving global preparedness and response to high threat emerging respiratory pathogens with significant public health and economic consequences
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 School of Medicine; Global Virus Network, Baltimore, MD)

Effects of broadly neutralizing antibody combinations in HIV-1 infection
Marina Caskey (Rockefeller University, New York, NY)

Long-acting antiretrovirals
Howard Gendelman (University of Nebraska Medical Center, Omaha)

The advancement of HIV NRTTIs for extended-duration dosing
Izzat Raheem (Merck, West Point, PA)

4:45 PM
PECHA-KUCHA EVENT WITH PRESENTATION OF FIRST TIME ATTENDEES
TUESDAY, MAY 14, 2019

8:30 AM
WHAT’S NEW IN ANTIVIRAL RESEARCH 1
Antiviral treatment for patients with yellow fever: a new frontier
Michael Jacobs (Royal Free London NHS Foundation Trust, London, UK)

Novel utilization of smallpox medical countermeasures – challenges to vaccination against endemic orthopoxvirus disease (monkeypox)
Victoria Olson (US Centers for Disease Control, Atlanta, GA)

Antivirals against chikungunya virus from a medchem perspective: Challenges and lessons learned
Maria-Jesús Pérez-Pérez (Instituto de Química Médica, Madrid, Spain)

SHORT PRESENTATIONS 2

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

12:00 PM LUNCH BREAK (on your own)

12:15 PM
CAREER DEVELOPMENT PANEL

1:30 PM
WILLIAM PRUSOFF YOUNG INVESTIGATOR AWARD LECTURE
An industry perspective on developing dengue antiviral small molecules
Marnix Van Loock (Janssen Pharmaceutica NV (Johnson & Johnson), Beerse, Belgium)

MEDICINAL CHEMISTRY SYMPOSIUM
Rational (and sometimes irrational!) strategies in nucleoside drug design
Kathie Seley-Radtk (University of Maryland, Baltimore County, MD)

In search of novel antivirals using structure-based drug design approaches
Andrea Brancale (Cardiff University, Wales, UK)

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 RECEPTION (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
Small molecules for big problems in large animals
Nesya Goris (ViroVet, Leuven, Belgium)

Polio eradication: Need for antivirals and progress to date
Marc S. Collett (ViroDefense Inc., Rockville, MD)

Update and challenges in research and development of dengue and zika antivirals
Subhash Vasudevan (Duke-National University of Singapore Medical School, Singapore)

SHORTGUN 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 School of Veterinary Medicine, Baton Rouge)

Investigational therapies for chronic hepatitis B: Does anything really work?
Timothy Block (Baruch S. Blumberg Institute, Doylestown, PA)

SHORT PRESENTATIONS 4
Presentation of selected contributed abstracts

3:30 PM
CONFERENCE CONCLUDES