



MONDAY, MARCH 30, 2020

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

KEYNOTE LECTURES

Alphavirus receptors: Identification, characterization, and possible drug targeting

Mike Diamond (Washington University School of Medicine, St. Louis, MO)

Towards better control of influenza

Yoshi Kawaoka (University of Wisconsin-Madison; Institute of Medical Science at the University of Tokyo, Japan)

4:00 PM

GERTRUDE ELION MEMORIAL AWARD LECTURE

Lessons learned from discovery of a HCV protease inhibitor applied to discovery of an influenza PB2 inhibitor

Ann Kwong (Dewpoint Therapeutics, Boston, MA)

4:40 PM

KEYNOTE LECTURE

The path towards a cure for chronic hepatitis B

Fabien Zoulim (Hospices Civils de Lyon; INSERM Unit 1052, Lyon, France)

5:30 PM

OPENING RECEPTION



ISAR

TUESDAY, MARCH 31, 2020

8:30 AM

ANTONÍN HOLÝ MEMORIAL AWARD LECTURE

Flex-nucleosides: a strategic approach to broad-spectrum antiviral therapeutics

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

DNA VIRUS SYMPOSIUM IN MEMORY OF MARK PRICHARD

Gene editing for cure of persistent viral infections

Keith Jerome (University of Washington; Fred Hutchinson Cancer Research Center, Seattle, WA)

Update on cytomegalovirus drug resistance

Sunwen Chou (Oregon Health and Science University and the Portland VA Medical Center, Portland, OR)

Managing the resurgence of monkeypox: experience from the UK

Mike Jacobs (Royal Free London NHS Foundation Trust, London, UK)

Additional short presentations

TREATMENT OF EMERGING VIRAL DISEASES 1

(Short presentations)

12:40 PM

POSTER SESSION 1 *(Lunch will be provided)*

2:40 PM

VIRAL HEMORRHAGIC FEVERS

Ebola: a contemporary outlook, and beyond

Heinz Feldmann (Rocky Mountain Laboratories, NIAID/NIH; RML BSL4 Laboratories, Hamilton, MT)

REGN-EB3: History and path to the clinic of an Ebola therapeutic

Alina Baum (Regeneron Pharmaceuticals, Tarrytown, NY)

Testing drugs and vaccines against emerging viruses

Christina Spiropoulou (US Centers for Disease Control and Prevention, Atlanta, GA)

Additional short presentations

5:00 PM

PECHAKUCHA EVENT



WEDNESDAY, APRIL 1, 2020

8:30 AM

WILLIAM PRUSOFF MEMORIAL AWARD LECTURE

Structural insights into small-molecule RSV inhibitors

Jason McLellan (University of Texas at Austin)

WHAT'S NEW IN ANTIVIRAL RESEARCH 1

The interplay between virus and host innate immunity

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

Using human monoclonal antibodies to prevent and treat viral diseases

Davide Corti (Vir Biotechnology, San Francisco, CA)

Antiviral drug discovery: a multifactorial and challenging endeavour

María-Jesús Pérez-Pérez (Medicinal Chemistry Institute of the Spanish National Research Council, Madrid, Spain)

Additional short presentations

11:10 AM

POSTER SESSION 2

1:15 PM

ISAR ANNUAL MEETING

----- FREE AFTERNOON -----

THURSDAY, APRIL 2, 2020

8:30 AM

WOMEN IN SCIENCE AWARD LECTURE

Title to be announced

Anna Wald (University of Washington, Seattle, WA)

RESPIRATORY VIRAL INFECTIONS

Developing treatment and prevention strategies for respiratory syncytial virus: Protecting the most vulnerable

John DeVincenzo (University of Tennessee School of Medicine; Le Bonheur Children's Hospital, Memphis, TN)

Targeting the multi-functional parainfluenza virus haemagglutinin-neuraminidase for drug discovery

Mark von Itzstein (Griffith University Institute for Glycomics, Gold Coast, Australia)

Additional short presentations

TREATMENT OF EMERGING VIRAL DISEASES 2

(Short presentations)

12:10 PM LUNCH BREAK *(on your own)*

12:30 PM

CAREER DEVELOPMENT PANEL

1:40 PM

ICAR2021 INTRODUCTION

1:50 PM

PROGRESS IN HIV THERAPY

Recent progress in research towards HIV cure

Tomas Cihlar (Gilead Sciences, Foster City, CA)

Broadly neutralizing antibodies targeting HIV-1

Florian Klein (Institute of Virology, University of Cologne, Germany)

Toward capsid-targeting antivirals: design and characterization of small molecules to probe various stages of HIV-1 replication

Zhengqiang Wang (Center for Drug Design, University of Minnesota, Minneapolis)

Additional short presentations

NEW ANTIVIRAL TARGETS AND MEDICINAL CHEMISTRY

(Short presentations)

7:00 PM

ISAR NETWORKING EVENT & AWARDS RECOGNITION

FRIDAY, APRIL 3, 2020

9:00 AM

WHAT'S NEW IN ANTIVIRAL RESEARCH 2

Chemical approaches to the validation of new antiviral targets

Priscilla Yang (Harvard Medical School, Boston, MA)

Antiviral therapy of tick-borne encephalitis: current options and challenges

Daniel Ruzek (Veterinary Research Institute; Institute of Parasitology of the Czech Academy of Sciences, Czech Republic)

Challenges of developing a monoclonal antibody against an arbovirus: A case study in chikungunya disease

Hugh Watson (Evotec ID, Lyon, France)

TREATMENT OF CHRONIC HEPATITIS B

(Short presentations)

SHOTGUN ORAL PRESENTATIONS

12:30 PM

CONFERENCE CONCLUDES