



**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**

*Tale of 2 viruses: developing antivirals in the PCR era*

**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**