

Sheraton Grand
CHICAGO
Hotel

**STANDARD
REGISTRATION
DEADLINE:
25 JULY 2016**

OPTIONS **IX** *for* THE CONTROL OF **INFLUENZA**

24–28 AUGUST 2016

REGISTRATION
Brochure

CELEBRATING
10 Years



isirv
International Society for
Influenza and other
Respiratory Virus Diseases

2016.isirv.org

DEAR COLLEAGUE,

On behalf of the International Society for Influenza and Other Respiratory Viral Diseases, we would like to invite you to attend *Options for the Control of Influenza IX*. This meeting, which is held once every three years, remains the largest international conference devoted exclusively to influenza prevention, control and treatment of influenza. This year, the meeting will take place at the Sheraton Grand Chicago 24-28 August 2016, in Chicago, Illinois.

The 2016 Options Meeting is being planned by three Scientific Advisory Committee Work Groups: Clinical Science (Nelson Lee and Frederick Hayden, Co-Chairs), Public Health (Jonathan Van Tam and Ben Cowling, Co-Chairs) and Virology and Pathogenesis (Robert Lamb and Jackie Katz, Co-Chairs) and promises to be one of the best *Options* meetings to date! The meeting will have a more modular schedule so that attendees will have more choice in topics to design a meeting that will be personalized to their research and clinical interests.

The meeting will start with an opening plenary session on Wednesday, 24 August at 5pm where we will welcome Nancy Cox, past director of the Influenza Division at the Centers for Disease Control and Prevention, as our keynote speaker. Nancy's talk will explore the lessons that we have learned about influenza during her exceptional career. On Thursday, Friday and Saturday, the day will start with a single plenary session to update attendees on the current state of the art in Clinical Sciences, Public Health and Virology and Pathogenesis as it applies to influenza. The remainder of the day will be concurrent symposia and oral presentations and will finish with interactive poster sessions. The last day, Sunday, will finish with a closing plenary session that will look forward to the challenges influenza promises for the future. The full schedule is in the following pages and online at 2016.isirv.org.

The meeting will take place at an incredible facility – the hotel was used to celebrate President Obama's re-election as president. The Sheraton Grand Chicago is located right on the Chicago River, minutes away from the incredible restaurants and shops along Michigan Avenue; the world famous Navy Pier; and such cultural landmarks as the Adler Planetarium, the Shedd Aquarium, the Field Museum and the Art Institute of Chicago. The location is perfect for exploring the incredible food, architecture, music and sites that Chicago has to offer. A useful resource for planning your free time is available online at www.choosechicago.com.

Thanks to a grant from the Gates Foundation, we will be offering support for individuals from low and middle income countries to attend the meeting – please see the Options website for full details and application instructions.

I look forward to welcoming you to the incredible city of Chicago to attend the *Options for the Control of Influenza IX* meeting 24 – 28 August, 2016!

Sincerely,



Michael G. Ison, MD, MS
Associate Professor, Divisions of Infectious Diseases & Organ Transplantation
Northwestern University Feinberg School of Medicine
Chair, *Options for the Control of Influenza IX*
Chicago, Illinois, USA 24-28 August 2016

PLANNING COMMITTEE

LOCAL ORGANIZING COMMITTEE

Michael G. Ison, MD, MS – Chairperson
Infectious Diseases and Organ
Transplantation
Northwestern University Feinberg School
of Medicine
Chicago, Illinois, USA

**Lance Jennings, QSO, PhD – Co-
Chairperson**
Canterbury Laboratories
Christchurch, New Zealand

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Allergy and Immunology
Northwestern University Feinberg School
of Medicine
Chicago, Illinois, USA

Regina Dutkowski, PhD
Chief Development Officer
D3 Medicine
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National Institute of Allergies and Infectious
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University of Maryland School of Medicine
Baltimore, Maryland, USA

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Salt Lake City, Utah, USA

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Melbourne, Australia

Stacey L. Schultz-Cherry, PhD
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St. Jude Children's Research Hospital
Memphis, Tennessee, USA

Richard J. Whitley, MD
Pediatrics
University of Alabama
Birmingham, Alabama, USA

Richard G. Wunderink, MD
Professor, Medicine-Pulmonary
Northwestern University Feinberg School
of Medicine
Chicago, Illinois, USA

Melissa S. Willis, PhD
Chief, Influenza Therapeutics, Influenza
Division
Biomedical Advanced Research and
Development Authority (BARDA)
Office of the Assistant Secretary for
Preparedness and Response (ASPR)
U. S. Department of Health and Human
Services (DHHS)
Washington, DC, USA

SCIENTIFIC ADVISORY EXECUTIVE COMMITTEE

Robert Lamb, PhD, ScD - Chairperson
Northwestern University
Evanston, Illinois, USA

Jackie Katz, PhD
US Centers for Disease Control and
Prevention
Atlanta, Georgia, USA

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Infectious Diseases
Chinese University of Hong Kong
Hong Kong SAR, China

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Charlottesville, Virginia, USA

Jonathan Nguyen-Van-Tam, MD, PhD
University of Nottingham
Nottingham, UK

Ben Cowling, BSc, PhD
Professor
The University of Hong Kong
Pokfulam, Hong Kong SAR, China

CLINICAL SCIENCE WORKGROUP

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Hong Kong SAR, China

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Charlottesville, Virginia, USA

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Capital Medical University
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Amsterdam, The Netherlands

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Infectious Diseases
University of Rochester
Rochester, New York, USA

Janet McElhaney, MD
Geriatrics
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Sudbury, Ontario, Canada

David Smith, MBBS, FRCPA
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University of Western Australia
Perth, Australia

Nikki Shindo, MD, PhD
World Health Organization
Geneva, Switzerland

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Pediatrics
Keiyu University
Yokohama, Japan

Tim Uyeki, MD, MPH
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US Centers for Disease Control and
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Atlanta, Georgia, USA

Maria Zambon, BSc, PhD
Public Health
Public Health England
London, UK

PUBLIC HEALTH WORKGROUP

**Jonathan Nguyen-Van-Tam, MD, PhD –
Chairperson**
University of Nottingham
Nottingham, UK

**Ben Cowling, BSc, PhD – Co-
Chairperson/Board Liaison**
Professor
The University of Hong Kong
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Berlin, Germany

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Johannesburg, South Africa

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Hanoi United
Oxford University
Hanoi, Vietnam

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Fio Cruz
Rio de Janeiro, Brazil

Cecile Viboud, PhD
Fogarty International Center
National Institutes of Health
Bethesda, Maryland, USA

VIROLOGY AND PATHOGENESIS WORKGROUP

Robert Lamb, PhD, ScD – Chairperson
Northwestern University
Evanston, Illinois, USA

**Jackie Katz, PhD – Co-Chairperson/
Board Liaison**
US Centers for Disease Control and
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Atlanta, Georgia, USA

Justin Bahl, PhD
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Austin, Texas, USA

Wendy Barclay, MA, PhD
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London, UK

Paul Digard, PhD
The Roslin Institute
University of Edinburgh
Edinburgh, UK

Guelsah Gabriel, PhD
University of Hamburg
Hamburg, Germany

Aeron Hurt, PhD
Deputy Director
WHO Collaborating Centre for Reference
and Research on Influenza
Victorian Infectious Disease Reference
Laboratory (VIDRL) at Peter Doherty Institute
Melbourne, Australia

Yoshihiro Kawaoka, DVM, PhD
University of Wisconsin
Madison, Wisconsin, USA
University of Tokyo
Tokyo, Japan

Julie McAuley, PhD
University of Melbourne
Melbourne, Australia

Leo Poon, DPhil
University of Hong Kong
Hong Kong SAR, China

Patrick Wilson, PhD
University of Chicago
Chicago, Illinois, USA



isirv
International Society for
Influenza and other
Respiratory Virus Diseases

Who is ISIRV?

The International Society for Influenza and Other Respiratory Virus Diseases (ISIRV) is an independent and international scientific professional society promoting the prevention, detection, treatment, and control of influenza and other respiratory virus diseases.

For more information, visit www.isirv.org

OPTIONS for THE CONTROL OF INFLUENZA Conference

The Society has lead responsibility for organizing the largest international conference exclusively devoted to influenza prevention, control and treatment, including seasonal flu and pandemic preparedness, the **Options for the Control of Influenza Conference**, which takes place every 3 to 4 years.

For more information, visit 2016.isirv.org

WHO SHOULD ATTEND

Options IX is the premier conference designed for leading virologists, infectious diseases, pulmonary/critical care specialists and other clinicians, scientists, public health and epidemiology researchers and specialists, health care policy makers and government and non-government agency staff.

TARGET AUDIENCE

- Clinicians
- Concerned business leaders
- Epidemiologists
- Government officials
- Health education specialists
- Healthcare policy makers
- Medical and scientific media
- Physicians
- Public health specialists
- Researchers
- Scientists
- Vaccine experts

OPTIONS IX SUPPORTERS

ISIRV would like to thank the following organizations for their support of the Options IX for the Control of Influenza Conference:

Travel Fellowship Award:

**BILL & MELINDA
GATES foundation**

Platinum Supporters:



Silver Supporters:



Bronze Supporters:

Janssen Pharmaceuticals
Quidel Corporation

All questions related to exhibit, support, and satellite symposium opportunities can be directed to **Karen Spiro, Manager of Industry Relations.**

Telephone: 856-380-6872

Email: kspiro@ahredchair.com

OBJECTIVES

- Provide comprehensive, state-of-the art scientific information for all disciplines involved in influenza prevention, control, and treatment, including seasonal and pandemic planning.
- Promote genuine international and multidisciplinary collaboration supporting the full spectrum of influenza research, from basic science to the development of new vaccines and antiviral agents, to epidemiology and control programs.
- Provide a collegial atmosphere where scientists working in both public health and agricultural/veterinary agencies may exchange information to develop collaborative approaches to the control and prevention of pandemic influenza.
- Maximize the opportunities for informal discussions and exchange of ideas between representatives of government agencies, academia, and industry.

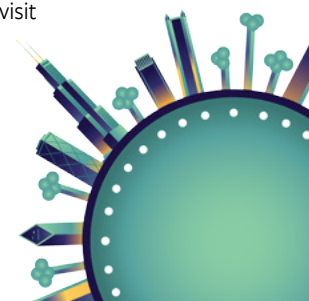
CONTINUING MEDICAL EDUCATION

Options IX offers CME to eligible participants.

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of The American Neurological Association (ANA) and International Society for Influenza and Other Respiratory Virus Diseases (ISIRV). The ANA is accredited by the ACCME to provide continuing medical education for physicians.

The American Neurological Association designates this live activity for a maximum of 29.00 AMA PRA Category 1 Credit(s)[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

For more information regarding CME, please visit 2016.isirv.org/continuing-education.



REGISTRATION INFORMATION

FEES

Type	Earlybird by 5 May 2016	Standard by 25 July 2016	Late by 17 August 2016	Onsite after 17 August 2016
Member	\$750	\$850	\$1,000	\$1,500
Nonmember	\$925	\$1,025	\$1,175	\$1,500
Single Day - Member & Nonmember	\$500	\$500	\$500	\$500
Member - Student	\$350	\$350	\$350	\$350
Nonmember - Student	\$425	\$425	\$425	\$425
Off-site Ticketed Event - Mystic Blue Boat Cruise				
Options IX Attendee	\$50			
Guest*	\$150			

*Guest registration allows entrance into the Opening Reception in the Exhibit Hall and to the Off-site Event Mystic Blue Boat Cruise.

Registration must be made by visiting 2016.isirv.org/online-registration

PAYMENT

Registration can be paid online by credit card.

The ability to reserve a place and pay by wire transfer will also be available until **5 May 2016**. After this date, payment for individuals can be made by credit card only.

For group bookings (minimum 10 delegates) please contact Jessica Dougherty at jdougherty@ahredchair.com

Student registration must be accompanied by valid proof of status. Please forward a copy of a current student card or a signed letter from your Head of Department to isirvcoordination@gmail.com and quote your registration reference.

CANCELLATION/CHANGE FEE POLICY

Requests for refunds must be submitted via email to Jessica Dougherty at jdougherty@ahredchair.com by **1 August 2016** to be eligible for reimbursement. There will be a \$100 processing fee for all refunds. Refunds will not be processed until after the meeting. Refund requests after 1 August 2016 will not be honored.

Should you need to transfer your registration to another name, please contact Jessica Dougherty at jdougherty@ahredchair.com and quote your registration reference.

MEMBERSHIP

Options IX offers reduced registration fees to ISIRV members. Questions regarding your ISIRV membership? Contact: membership@isirv.org

LETTERS OF INVITATION

Attendees who require a letter of invitation to apply for a VISA must complete the online submission form. Please visit 2016.isirv.org/registration-housing for more information.

SPECIAL REQUESTS

Options IX fully complies with the legal requirements of the Americans with Disabilities Act rules and regulations. If any participant is in need of special accommodations, please submit a written request of your needs during online registration.

ABOUT CHICAGO

As the third-largest city in the country, Chicago has a ton to offer you while visiting. Chicago is situated squarely in the center of the country and is accessible from virtually anywhere. A big part of what makes Chicago so picturesque is Lake Michigan. Relax along the 18 miles of Lakefront Path and/or enjoy the 15 miles of sandy beaches. Root for one of the incredible professional sports teams. Enjoy the beautiful views of Lake Michigan. Or, simply sit in one of the many city parks for lunch.

More information on public transportation and getting to Chicago by plane can be found by visiting <http://2016.isirv.org/location>



MEETING LOCATION

Sheraton Grand Chicago Hotel
301 E. North Water Street
Chicago, IL, USA

The great location of the Sheraton Grand Chicago Hotel puts you in the heart of the city and offers views of the river and lake. Directly on the riverfront, the hotel is within walking distance of Navy Pier, Millennium Park and Michigan Avenue. Chic but not fussy, the downtown hotel has everything you need to be comfortable and productive. There are six fine dining options with a brand-new patisserie.

HOTEL RESERVATIONS

Discounted Room Rate Deadline 31 July 2016

Options IX was able to contract a discounted room rate for attendees at the Sheraton Grand Chicago Hotel. The deadline to make a reservation and receive the discounted rate is 31 July 2016.

After 31 July 2016, discounted rates are based upon availability.

Room Rate: \$179 USD (plus applicable taxes)

Check-in: 3:00 pm

Check-out: 12:00 pm

Reservations can be made online by visiting the website <http://2016.isirv.org/hotel-reservations>

OFF SITE EVENT

MYSTIC BLUE BOAT CRUISE

Saturday 27 August 2016

7:45 pm – 11:30 pm

Mystic Blue Boat Cruise

600 E Grand Avenue

Chicago, IL 60611

Join your Options IX colleagues for a fun evening on the Mystic Blue Boat Cruise. The Mystic Blue boasts the biggest panoramic windows on Lake Michigan with unbelievable views of the Chicago skyline. Taste the flavors of delicious contemporary dishes from the buffet-style menu. Experience Chicago's trendy downtown scene while departing from the famous Navy Pier. Dance the night away with DJ entertainment, and network with colleagues. Don't miss out on this fun evening, especially the city fireworks display!

This is a ticketed reception. Entry will only be granted to attendees that purchase tickets in advance in addition to Options IX registration. Please note that there is limited ticket availability for this event. No entry is permitted without a ticket. Transportation is not provided to this event. Walking directions will be provided onsite at Options IX registration.

Type	Fee
Options IX Attendee	\$50
Guest	\$150

Cruise boarding will start promptly at 7:45 pm and end at 8:30 pm.

TRAVEL *Fellowships*

BILL & MELINDA
GATES foundation

The Options IX for the Control of Influenza conference is pleased to announce that the [Bill & Melinda Gates Foundation](#) will support 24 Fellows from economically disadvantaged areas to attend the

Options IX conference. Applications can be found by visiting 2016.isirv.org/travel-fellowships. Acceptance notifications will be sent June 2016.

REQUIREMENTS FOR ONLINE APPLICATIONS

1. Applicant must be from an economically disadvantaged area. Visit 2016.isirv.org for the approved Options IX list.
2. Applicant must currently work or study in the field of influenza and must provide documentation on their institution's letterhead with a letter from the department head confirming their current position. If the Applicant does not provide such documentation, he/she will be disqualified from consideration. Documentation should be uploaded on the Travel Fellowship application form at the time of submission to complete submission.
3. Submit a 300 word summary explaining how attendance at the *Options IX* conference will impact the applicant's studies or education in the field of influenza. The 300 word summary should be copied and pasted in the text box provided on the online Travel Fellowship application form.
4. One application per registrant.
5. Applicants are encouraged to submit abstracts to Options IX, but it is not required.
6. Submission deadline **20 May 2016**.

REIMBURSEMENT

1. Up to \$2,000 in airfare booked through the ISIRV designated travel agent
2. (4) Nights hotel at the Sheraton Chicago Hotel room and tax
3. Up to \$375 in meals
4. Up to \$60 in ground transportation
5. Complimentary registration fee
6. 1 year ISIRV membership



WEDNESDAY, 24 AUGUST 2016

5:00 pm - 5:15 pm	Welcome from the ISIRV President
5:15 pm - 5:30 pm	Welcome from Options Organizing Chair
5:30 pm - 6:30 pm	Keynote Address
6:30 pm - 8:00 pm	Welcome Reception in the Exhibit Hall

THURSDAY, 25 AUGUST 2016

8:30 am - 10:30 am	Morning Plenary Session – <i>Public Health Focus</i>
10:30 am - 11:00 am	Coffee Break in the Exhibit Hall
11:00 am - 12:30 pm	Concurrent Oral Abstract Sessions
12:30 pm - 2:00 pm	Sponsored Lunch Symposium
2:00 pm - 4:00 pm	Concurrent Featured Symposia
4:00 pm - 4:30 pm	Coffee Break in the Exhibit Hall
4:30 pm - 6:00 pm	Concurrent Oral Abstract Sessions
6:00 pm - 7:30 pm	Poster Reception I with Presenters in Attendance and Rapid Oral Session

FRIDAY, 26 AUGUST 2016

8:00 am - 10:00 am	Morning Plenary Session – <i>Virology & Pathogenesis Focus</i>
10:00 am - 10:45 am	ISIRV General Meeting
10:45 am - 11:15 am	Coffee Break in the Exhibit Hall
11:15 am - 12:30 pm	Concurrent Oral Abstract Sessions
12:30 pm - 2:00 pm	Sponsored Lunch Symposium
2:00 pm - 4:00 pm	Concurrent Featured Symposia
4:00 pm - 4:30 pm	Coffee Break in the Exhibit Hall
4:30 pm - 6:00 pm	Concurrent Oral Abstract Sessions
6:00 pm - 7:30 pm	Poster Reception II with Presenters in Attendance and Rapid Oral Session

SATURDAY, 27 AUGUST 2016

8:30 am - 10:30 am	Morning Plenary Session – <i>Clinical Science Focus</i>
10:30 am - 11:00 am	Coffee Break in the Exhibit Hall
11:00 am - 12:30 pm	Concurrent Oral Abstract Sessions
12:30 pm - 2:00 pm	Break
2:00 pm - 4:00 pm	Concurrent Featured Symposia
4:00 pm - 4:30 pm	Coffee Break in the Exhibit Hall
4:30 pm - 6:00 pm	Oral Abstract Session - <i>Virology & Pathogenesis Focus</i>
4:30 pm - 6:00 pm	Public Health/Clinical Science Pregnancy Symposium
6:00 pm - 7:30 pm	Poster Reception III with Presenters in Attendance
7:45 pm - 11:30 pm	Off-site Event - <i>Mystic Blue Boat Cruise</i>

SUNDAY, 28 AUGUST 2016

8:30 am - 10:30 am	Concurrent Featured Symposia
10:30 am - 11:00 am	Coffee Break
11:00 am - 12:30 pm	Concurrent Oral Abstract Sessions
12:30 pm - 1:00 pm	Break
1:00 pm - 3:00 pm	Closing Plenary Session



24 AUGUST 2016 | Wednesday

5:00 pm – 6:30 pm

Opening Plenary Session

Moderators: Michael Ison, MD, MS and
Lance Jennings, QSO, PhD

5:00 pm – 5:15 pm

Welcome from ISIRV President

Lance Jennings, QSO, PhD
Cantebury Laboratories
Christchurch, New Zealand

5:15 pm – 5:30 pm

Welcome from Options Organizing Chair

Michael Ison, MD, MS
Infectious Diseases and Organ Transplantation
Northwestern University Feinberg School of Medicine
Chicago, IL, United States

5:30 pm – 6:30 pm

Opening Plenary Session: Keynote Address

Nancy Cox, PhD
Past Director of the Influenza Division at the Centers
for Disease Control and Prevention (CDC)
and Director of CDC's World Health Organization
(WHO) Collaborating Center for Surveillance,
Epidemiology and Control of Influenza

6:30 pm – 7:30 pm

Welcome Reception in the Exhibit Hall

25 AUGUST 2016 | Thursday

8:30 am – 10:30 am

Public Health Plenary Session: Addressing the Public Health Threat of Influenza: Recognition, Prevention and Treatment

Moderators: Ben Cowling, BSc, PhD and
Jonathan Nguyen-Van-Tam, DM, FRCPATH

8:30 am – 9:10 am

Outbreak and Pandemic Response: Role of Antivirals

Nahoko Shindo, MD, PhD
World Health Organization
Geneva, Switzerland

9:10 am – 9:50 am

Exposure to Influenza in the Healthcare Environment
Werner Bischoff, MD, PhD
Wake Forest University School of Medicine
Salem, NC, United States

9:50 am – 10:30 am

The Market as an Influenza Risk Factor: The Animal
Human Interface
Yuelong Shu, PhD
Chinese National Influenza Center
National Institute for Viral Disease Control and Prevention
Beijing, China

10:30 am – 11:00 am

Coffee Break in the Exhibit Hall

11:00 am – 12:30 pm

Oral Abstract Sessions

11:00 am – 12:30 pm

Oral Abstract Session: Clinical Science
Moderators: Jane Ryan, PhD and Norio Sugaya, MD, PhD

11:00 am – 12:30 pm

Oral Abstract Session: Public Health
Moderators: Udo Buchholz, MD, MPH and
Michael Cooper, PhD

11:00 am – 12:30 pm

Oral Abstract Session: Virology & Pathogenesis
Moderators: Justin Bahl, PhD and Amy Krafft, PhD

12:30 pm – 2:00 pm

Sponsored Lunch Symposium

2:00 pm – 4:00 pm

Featured Symposia

2:00 pm – 4:00 pm

**Clinical Science Featured Symposia: Diagnostic
and Monitoring Tools in the Clinical Setting**
Moderators: Rich Wunderink, MD and
David Smith, MBBS, FRCPA

2:00 pm – 2:30 pm

Rapid Diagnosis for Influenza and Other Respiratory
Viruses
Maria Zambon, BSc, PhD
Public Health England
London, United Kingdom

2:30 pm – 3:00 pm

Role of Biomarkers (Differentiating Viral From
Bacterial/Mixed Infections)
Ann Falsey, MD
University of Rochester School of Medicine
Rochester, NY, United States



3:00 pm – 3:30 pm	Detection of Antiviral Resistance <i>Aeron Hurt, PhD</i> WHO Collaborating Centre for Reference and Research on Influenza, Melbourne Melbourne, Victoria, Australia
3:30 pm – 4:00 pm	Prognostic Indicators in Severe Influenza <i>William Jake Dunning, MRCP, PhD</i> Public Health England London, United Kingdom
2:00 pm – 4:00 pm	Public Health Featured Symposia: Pandemic Preparedness Moderators: <i>Dan Jernigan, MD, MPH and Peter Horby, MD, PhD</i>
2:00 pm – 2:30 pm	Pandemic Planning – <i>Where are We?</i> <i>Wenqing Zhang, MD</i> World Health Organization Geneva, Switzerland
2:30 pm – 3:00 pm	Effectiveness of Antivirals <i>Jonathan Nguyen-Van-Tam, DM, FRCPath</i> University of Nottingham, School of Medicine Nottingham, United Kingdom
3:00 pm – 3:30 pm	Pandemic and Pre-pandemic Vaccines, Where Are We Now? <i>Rick A. Bright, PhD</i> HHS/OS/ASPR/BARDA Washington DC, United States
3:30 pm – 4:00 pm	Implementation and Impact of Non-Pharmaceutical Interventions in the 20th Century Pandemics <i>Amra Uzicanin, MD, MPH</i> Centers for Disease Control and Prevention (CDC) Atlanta, GA, United States

2:00 pm – 4:00 pm	Virology & Pathogenesis Featured Symposia: Virus Host-Cell Interactions Moderators: <i>Stacey Schultz-Cherry, PhD and Wendy Barclay, MA, PhD</i>
2:00 pm – 2:30 pm	Antiviral Innate Immune Responses to Influenza Viruses <i>Adolfo Garcia-Sastre, PhD</i> Icahn School of Medicine at Mount Sinai New York, NY, United States
2:30 pm – 3:00 pm	Influenza A Virus Uncoating Mechanisms <i>Yohei Yamauchi, MD, PhD</i> University of Zurich Zurich, Switzerland
3:00 pm – 3:30 pm	IFITM3 Restriction of Viral Replication <i>Abraham Brass, MD, PhD</i> University of Massachusetts Medical School Newton, MA, United States
3:30 pm – 4:00 pm	Influenza Virus Interference with Innate Immunity <i>Christina Ehrhardt, PhD</i> Westfaelische Wilhelms-University Muenster / Institute of Molecular Virology Muenster, North Rhine-Westphalia, Germany
4:00 pm – 4:30 pm	Coffee Break in the Exhibit Hall
4:30 pm – 6:00 pm	Oral Abstract Sessions
4:30 pm – 6:00 pm	Oral Abstract Session: Public Health I Moderators: <i>Rebecca Cox, PhD and Vernon Lee, MBBS, PhD</i>
4:30 pm – 6:00 pm	Oral Abstract Session: Public Health II Moderators: <i>John Watson, MD, FRCP and TBD</i>
4:30 pm – 6:00 pm	Oral Abstract Session: Virology & Pathogenesis Moderators: <i>Julie McAuley, PhD and TBD</i>



6:00 pm – 7:30 pm

Poster Reception I with Presenters in Attendance and Rapid Oral Session

6:00 pm – 7:30 pm

Poster Abstract Session: Clinical Science

6:00 pm – 7:30 pm

Poster Abstract Session: Public Health

6:00 pm – 7:30 pm

Poster Abstract Session: Virology & Pathogenesis

11:15 am – 12:30 pm

Oral Abstract Session: Public Health

Moderators: *Arnold Monto, MD and TBD*

11:15 am – 12:30 pm

Oral Abstract Session: Virology & Pathogenesis

Moderators: *Hassan Zaraket, BS Pharm, PhD and Andrew Pavia, MD*

12:30 pm – 2:00 pm

Sponsored Lunch Symposium

2:00 pm – 4:00 pm

Featured Symposia

2:00 pm – 4:00 pm

Clinical Science Featured Symposia: Management of Influenza in Unique Populations

Moderators: *Tim Uyeki, MD, MPH and TBD*

2:00 pm – 2:30 pm

Pediatrics

*Norio Sugaya, MD, PhD
Department of Pediatrics, Keiyu Hospital
Nishi-ku, Yokohama, Kanagawa, Japan*

2:30 pm – 3:00 pm

Immunocompromised

*Roy F. Chemaly, MD, MPH
University of Texas MD Anderson Cancer Center
Houston, TX, United States*

3:00 pm – 3:30 pm

Critical Care

*John C. Marshall, MD
University of Toronto/St. Michael's Hospital
Toronto, ON, Canada*

3:30 pm – 4:00 pm

Elderly

*Janet McElhaney, MD
Advanced Medical Research Institute of Canada
Sudbury, ON, Canada*

2:00 pm – 4:00 pm

Public Health Featured Symposia: Influenza Vaccines

Moderators: *Kathy Neuzil, MD, MPH and Alain Moren, MD, PhD*

26 AUGUST 2016 | Friday

8:00 am – 10:00 am

Virology & Pathogenesis Plenary Session: Molecular Studies for Vaccines and Antivirals

Moderators: *Jackie Katz, PhD and Robert Lamb, PhD, ScD*

8:00 am – 8:40 am

Structure, Mechanism and Drug Targeting of Influenza Polymerase

*Stephen Cusack, PhD, FRS
European Molecular Biology Laboratory, Grenoble
Outstation
Grenoble, France*

8:40 am – 9:20 am

Toward A Universal Influenza Virus Vaccine

*Peter Palese
Icahn School of Medicine at Mount Sinai
New York, NY, United States*

9:20 am – 10:00 am

Influenza Countermeasures

*Yoshihiro Kawaoka, DVM, PhD
University of Wisconsin-Madison/University of Tokyo
Madison, WI, United States*

10:00 am – 10:45 am

ISIRV General Meeting

10:45 am – 11:15 am

Coffee Break in the Exhibit Hall

11:15 am – 12:30 pm

Oral Abstract Sessions

11:15 am – 12:30 pm

Oral Abstract Session: Clinical Science

Moderators: *Regina Dutkowiak and Ann Falsey, MD*



2:00 pm – 2:30 pm	Contemporary Approaches to Estimation of Influenza Vaccine Effectiveness <i>Alain Michel Moren, MD, PhD</i> <i>EpiConcept</i> <i>Paris, France</i>	2:30 pm – 3:00 pm	HA Acid Stability in Pathogenesis and Host Adaptation <i>Charles John Russell, PhD</i> <i>St. Jude Children’s Research Hospital</i> <i>Memphis, TN, United States</i>
2:30 pm – 3:00 pm	Vaccine Effectiveness and Repeated Vaccination: Too Much of a Good Thing? <i>Edward A. Belongia, MD</i> <i>Marshfield Clinic Research Foundation</i> <i>Marshfield, WI, United States</i>	3:00 pm – 3:30 pm	Influenza A Virus Evolution: Going Deep <i>Jonathan Yewdell, MD, PhD</i> <i>LVD, NIAID</i> <i>Bethesda, MD, United States</i>
3:00 pm – 3:30 pm	In-Season Waning of Vaccine Effectiveness: European Influenza Type/Subtype-Specific Vaccine Effectiveness Data From 6 Seasons <i>Esther Kissling, MSc, BSc honors</i> <i>EpiConcept</i> <i>Paris, France</i>	3:30 pm – 4:00 pm	Transmission of Influenza Virus <i>Malik Peiris, MD, DPhil</i> <i>School of Public Health, The University of Hong Kong</i> <i>Pokfulam, Hong Kong</i>
3:30 pm – 4:00 pm	Implications of Timely Vaccine Effectiveness Estimates for Vaccine Strain Selection <i>Alicia Fry, MD, MPH</i> <i>Center for Disease Control</i> <i>Atlanta, GA, United States</i>	4:00 pm – 4:30 pm	Coffee Break in the Exhibit Hall
2:00 pm – 4:00 pm	Virology & Pathogenesis Featured Symposia: Pathogenesis Moderators: <i>Mark Tompkins, PhD and Yoshihiro Kawaoka, DVM, PhD</i>	4:30 pm – 6:00 pm	Oral Abstract Sessions
2:00 pm – 2:30 pm	Pathogenesis of HA structures <i>George Gao, DPhil</i> <i>Immunology, Institute of Microbiology, Chinese Academy of Sciences</i> <i>Beijing, People’s Republic of China</i>	4:30 pm – 6:00 pm	Oral Abstract Session: Public Health Moderators: <i>Carrie Reed, DSc, MPH and Danuta Skowronski, MD, MHSc</i>
		4:30 pm – 6:00 pm	Oral Abstract Session: Virology & Pathogenesis I Moderators: <i>Guelsah Gabriel, PhD and Barbara Rath, MD, PhD</i>
		4:30 pm – 6:00 pm	Oral Abstract Session: Virology & Pathogenesis II Moderators: <i>Erhard Van der Vries, PhD and Ann Falsey, MD</i>
		6:00 pm – 7:30 pm:	Poster Reception II with Presenters in Attendance and Rapid Oral Session
		6:00 pm – 7:30 pm	Poster Abstract Session: Clinical Science
		6:00 pm – 7:30 pm	Poster Abstract Session: Public Health
		6:00 pm – 7:30 pm	Poster Abstract Session: Virology & Pathogenesis



26 AUGUST 2016 | Saturday

8:30 am – 10:30 am

Clinical Science Plenary Session: Newer Therapies for Influenza: Hurdles and Progress

Moderators: Melissa Willis, PhD and Nelson Lee, MD, FRCP

8:30 am – 9:10 am

Clinical Development Challenges: Trial Designs and Endpoints

Menno de Jong, MD, PhD
University of Amsterdam
Amsterdam, The Netherlands

9:10 am – 9:50 am

Novel Antiviral Agents in Advanced Development

Frederick Hayden, MD
University of Virginia School of Medicine
Charlottesville, VA, United States

9:50 am – 10:30 am

Combination and Antibody-Based Therapies

John Beigel, MD
Leidos/NIAID
Bethesda, MD, United States

10:30 am – 11:00 am

Coffee Break in the Exhibit Hall

11:00 am – 12:30 pm

Oral Abstract Sessions

11:00 am – 12:30 pm

Oral Abstract Session: Clinical Science

Moderators: Larisa Gubareva, MD, PhD and Janet McElhaney, MD, FRCPC, FACP

11:00 am – 12:30 pm

Oral Abstract Session: Public Health

Moderators: Cecile Viboud, PhD and TBD

11:00 am – 12:30 pm

Oral Abstract Session: Virology & Pathogenesis

Moderators: Julie McAuley, PhD and Ruben Donis, PhD

12:30 pm – 2:00 pm

Break

2:00 pm – 4:00 pm

Featured Symposia

2:00 pm – 4:00 pm

Clinical Science Featured Symposia: Complications of Influenza

Moderators: Roy Chermaly, MD, MPH and Menno de Jong, MD, PhD

2:00 pm – 2:30 pm

Bacterial Co-Infection

Richard Glenn Wunderink, MD
Northwestern University Feinberg School of Medicine
Chicago, IL, United States

2:30 pm – 3:00 pm

Cardiovascular Complications

Charlotte Warren-Gash, MRCP, PhD
Institute of Health Informatics, University College London
London, United Kingdom

3:00 pm – 3:30 pm

Neurological Complications

Masashi Mizuguchi, MD, PhD
Dept. of Developmental Medical Sciences, Graduate School of Medicine, The University of Tokyo
Tokyo, Japan

3:30 pm – 4:00 pm

Exacerbation of Airway Diseases

Peter Openshaw, MD, PhD
Imperial College London
London, United Kingdom

2:00 pm – 4:00 pm

Public Health Featured Symposia: Epidemiology of Influenza

Moderators: Jean-Michel Héraud, PhD, HDR and Carrie Reed, DSc, MPH

2:00 pm – 2:30 pm

Incidence of Infection, Illness and Burden of Disease

Cecile Viboud, PhD
Fogarty International Center, NIH, USA
Bethesda, MD, United States

2:30 pm – 3:00 pm

Comparative Epidemiology of Influenza A Subtypes

Arnold Monto, MD
School of Public Health, University of Michigan
MI, United States



3:00 pm – 3:30 pm Comparative Epidemiology of Influenza B Lineages
Vijaykrishna Dhanasekaran, PhD
Duke-NUS Medical School Singapore
Singapore

3:30 pm – 4:00 pm Population Impact of a Pediatric Vaccination Policy
Richard Pebody, MBChB, PhD
Public Health England
London, United Kingdom

2:00 pm – 4:00 pm **Virology & Pathogenesis Featured Symposia:
Replication of Influenza**
Moderators: *Guy Boivin, MD and Aeron Hurt, PhD*

2:00 pm – 2:30 pm Influenza Virus Reassortment
Anice Lowen, PhD
Emory University
Atlanta, GA, United States

2:30 pm – 3:00 pm The Biology of Influenza Virus non-coding RNAs
Benjamin tenOver, PhD
Icahn School of Medicine
NY, United States

3:00 pm – 3:30 pm Transcription and Replication of the Influenza Virus RNA Genome
Ervin Fodor, DPhil
University of Oxford
Oxford, United Kingdom

3:30 pm – 4:00 pm Constraints on the Evolution of Influenza
Jesse Bloom, PhD
Fred Hutchinson Cancer Research Center
Seattle, WA, United States

4:00 pm – 4:30 pm **Coffee Break in the Exhibit Hall**

4:30 pm – 6:00 pm **Oral Abstract Session**

4:30 pm – 6:00 pm **Oral Abstract Session: Virology & Pathogenesis**
Moderators: *Alan Hay, PhD and*
Matthew Memoli, MD, MS

4:30 pm – 6:00 pm **Public Health/Clinical Science Pregnancy in Influenza**

Moderators: *Nelson Lee, MD, FRCP and*
Jonathan Nguyen-Van-Tam, DM, FRCPath

4:30 pm – 4:50 pm Epidemiology of Influenza in the Pregnant Female
Brad Gessner, MD, MPH
Agence de Medecin Preventive
Paris, France

4:50 pm – 5:10 pm Maternal Influenza and Birth Outcomes
Deshayne Fell, MSc
Children's Hospital of Eastern Ontario Research Institute
ON, Canada

5:10 pm – 5:30 pm Safety and Efficacy of Influenza Vaccine in Pregnant Women and the Newborn Child
Janet Englund, MD
University of Washington
Seattle, WA, United States

5:30 pm – 5:50 pm Antiviral Therapy in Pregnancy
TBD

5:50 pm – 6:00 pm Q&A Panel

6:00 pm – 7:30 pm **Poster Reception III with Presenters in Attendance**

6:00 pm – 7:30 pm **Poster Abstract Session: Clinical Science**

6:00 pm – 7:30 pm **Poster Abstract Session: Public Health**

6:00 pm – 7:30 pm **Poster Abstract Session: Virology & Pathogenesis**

7:45 pm – 11:30 pm **Offsite Event:* Mystic Blue Boat Cruise**
**Separate Registration Fee to Attend*



28 AUGUST 2016 | Sunday

8:30 am – 10:30 am

Featured Symposia

8:30 am – 10:30 am

Clinical Science Featured Symposia: Addressing Therapeutic Challenges

Moderators: *Natasha Halasa, MD, MPH and Bin Cao, MD*

8:30 am – 9:00 am

Managing Avian Influenza (H7N9, H5N1)

*Zhancheng Gao, MD, PhD
Peking University People's Hospital, Beijing, China
Beijing, China*

9:00 am – 9:30 am

Adjuvant and Immune-Modulatory Therapies

*David Shu-Cheong Hui, MD
The Chinese University of Hong Kong
Shatin, New Territories, Hong Kong*

9:30 am – 10:00 am

Resistance Emergence During Therapy

*Erhard Van der Vries, PhD
TiHo - Research Center for Emerging Infections and Zoonoses Hannover
Hannover, Lower Sachsony, Germany*

10:00 am – 10:30 am

Rapid Access to Antivirals and Cost-Effectiveness

*Thomas Szucs, MD, MPH
University of Basel
Klingelbergstrasse 62, Basel, Switzerland*

8:30 am – 10:30 am

Public Health Featured Symposia: Practical Issues in the Control of Influenza

Moderators: *Terho Heikkinen, MD, PhD and Ruth Lynfield, MD*

8:30 am – 9:00 am

Outbreak Control in Residential Care Homes

*Marianne A.B. van der Sande, MD, PhD
Centre for Infectious Disease Control, National Institute for Public Health and the Environment, the Netherlands
Bilthoven, Utrecht, Netherlands*

9:00 am – 9:30 am

Early Use of Antiviral Drugs

*Allison McGeer, MD, FRCPC
Mount Sinai Hospital, University of Toronto
Toronto, ON, Canada*

9:30 am – 10:00 am

Mandatory Vaccination of Health Care Workers

*Helena Maltezos, MD, PhD
Hellenic Center for Disease Control and Prevention
Athens, Greece*

10:00 am – 10:30 am

Improving Vaccine Uptake in Target Groups

*Darina O'Flanagan, MB, MPH
Health Protection Surveillance Centre Ireland
Castleknock, Ireland*

8:30 am – 10:30 am

Virology & Pathogenesis Featured Symposia: Immunology

Moderators: *Leo Poon, DPhil and Patrick Reading, PhD*

8:30 am – 9:00 am

Cross-talk Between an Epithelial Integrin and Alveolar Macrophages Regulates the Lung Response to Influenza Infection

*Stacey Lynne Schultz-Cherry, PhD
St Jude Children's Research Hospital
Memphis, TN, United States*

9:00 am – 9:30 am

Genetic and Structural Basis for Antibody-Mediated Neutralization of Influenza

*James Crowe, MD
Vanderbilt University
Nashville, TN, United States*

9:30 am – 10:00 am

³CD8+ T cells and recovery from severe H7N9 disease²

*Katherine Kedzierska, PhD
University of Melbourne; Peter Doherty Institute
Melbourne, Vic, Australia*



10:00 am – 10:30 am Evasion of Human Influenza A Viruses from Recognition by T Cells

*Guus Rimmelzwaan, MSc, PhD
Erasmus Medical Center
Rotterdam, Netherlands*

10:30 am – 11:00 am Coffee Break

11:00 am – 12:30 pm Oral Abstract Sessions

11:00 am – 12:30 pm Oral Abstract Session: Clinical Science
Moderators: Fred Aoki, MD and
Angela Campbell, MD, MPH

11:00 am – 12:30 pm Oral Abstract Session: Public Health
Moderators: Lone Simonsen, PhD and
Kimberly Armstrong, PhD

11:00 am – 12:30 pm Oral Abstract Session: Virology & Pathogenesis
Moderators: David Wentworth, MS, PhD and TBD

12:30 pm – 1:00 pm Lunch

1:00 pm – 3:00 pm

**Closing Plenary Session:
The Future Threats from Influenza**
Moderators: Michael Ison, MD, MS and
Lance Jennings, PhD

1:00 pm – 1:40 pm Influenza at the Animal-Human Interface
*David Swayne, DVM, PhD
National Poultry Research Center – USDA
Athens, GA, United States*

1:40 pm – 2:20 pm Forecasting the Future of Flu
*Trevor Bedford, PhD
Fred Hutchinson Cancer Research Center
Seattle, WA, United States*

2:20 pm – 3:00 pm Improving on Influenza Vaccines: Managing the Challenges of Vaccine Mismatch
*Dan Jernigan, MD, MPH
US Centers for Disease Control and Prevention
Atlanta, GA, United States*

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24-28 AUGUST 2016
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