



17TH ANNUAL CONFERENCE ON VACCINE RESEARCH
APRIL 28-30, 2014
BETHESDA, MD

SUNDAY, APRIL 27, 2014

4:30–6:30 pm **Registration**

MONDAY, APRIL 28, 2014

7:30 am–5:00 pm **Registration**

7:30 am **Poster Set-Up**

7:45 am **Continental Breakfast**

8:15 am **Welcome and Introductions**
Susan J. Rehm, MD
National Foundation for Infectious Diseases
Bethesda, MD

Opening Keynote: Mary Lou Clements-Mann **CE**
Memorial Lecture in Vaccine Sciences

Moderator: **Susan J. Rehm, MD**
National Foundation for Infectious Diseases
Bethesda, MD

8:30 am **1 Vaccinology 2.0 in the 21st Century**
Gregory A. Poland, MD
Mayo Clinic and Foundation
Rochester, MN

9:15 am Questions and Answers

9:30 am **Coffee Break**

Symposium 1: Future Trends in Vaccine Research **CE**

Moderator: **Gregory A. Poland, MD**
Mayo Clinic and Foundation
Rochester, MN

9:45 am **2 New Directions in Reverse Vaccinology**
Alessandro Sette, DSc
Center for Infectious Disease; Allergy & Asthma Research
La Jolla Institute for Allergy and Immunology
La Jolla, CA

10:10 am **3 Innate Immunity and Vaccine Advances**
Robert A. Seder, MD
National Institute for Allergy and Infectious Diseases
National Institutes of Health
Bethesda, MD

10:35 am **4 Vaccine Advances in Veterinary Science**
Ian Tizard, PhD
College of Veterinary Medicine and Biomedical Sciences
Texas A&M University
College Station, TX

11:00 am **5 Structure and Vaccine Design**
Peter D. Kwong, PhD
National Institute of Allergy and Infectious Diseases
National Institutes of Health
Bethesda, MD

11:30 am Questions and Answers

12:00 pm **Lunch (on your own)**

Symposium 2: Current Challenges in Immunization Policy **CE**
Moderator: **Myron M. Levine, MD, DTPH**
Center for Vaccine Development
University of Maryland School of Medicine
Baltimore, MD

1:00 pm **6 The Burden of Vaccine Hesitancy**
Saad B. Omer, MBBS, MPH, PhD
Emory Vaccine Center
Atlanta, GA

1:30 pm **7 Acellular Pertussis Vaccines: Are Boosters Indicated?**
Thomas A. Clark, MD, MPH
Centers for Disease Control and Prevention
Atlanta, GA

2:00 pm **8 Rotavirus Vaccines and Intussusceptions: Is There a Need for Change in Immunization Policy?**
Umesh Parashar, MBBS
Centers for Disease Control and Protection
Atlanta, GA

2:30 pm **9 How a Two-Contact Measles Immunization Policy Offers Opportunities to Improve the Current Expanded Program on Immunization Schedule**
Jean-Marie Okwo-Bele, MD, MPH
Immunization, Vaccines, and Biologicals
World Health Organization
Geneva, Switzerland

3:00 pm **Coffee Break**

Submitted Presentations (Concurrent Sessions) **CE**

3:30–5:00 pm **Submitted Presentations 1A: Epidemiology and Clinical Studies**
Submitted Presentations 1B: Vaccine Design, Adjuvants, and Immune Response

5:00–6:00 pm **Welcome Reception & Poster Presentations**

TUESDAY, APRIL 29, 2014

7:00 am–5:00 pm **Registration**

7:00–7:45 am **Dr. Richard J. Duma Meet the Experts Breakfast Session**

7:30–8:30 am **Continental Breakfast/Poster Presentations**

Keynote II:

Global Health

Moderator: **Kathleen M. Neuzil, MD, MPH**
PATH
Seattle, WA

8:30 am **10 Bill & Melinda Gates Foundation's Vision for Development of Vaccines of Global Importance**
Penny Heaton, MD
Bill & Melinda Gates Foundation
Seattle, WA

9:15 am Questions and Answers

9:30 am **Coffee Break**

Symposium 3:

Vaccines for the Developing World

Moderator: **Bruce G. Weniger, MD**
Chiang Mai University
Atlanta, GA

9:45 am **11 Japanese Encephalitis**
Kathleen M. Neuzil, MD, MPH
PATH
Seattle, WA

10:10 am **12 Progress and Remaining Obstacles on the Long Road towards a Successful Dengue Vaccine**
Scott Halstead, MD
Dengue Vaccine Initiative
International Vaccine Institute
Seoul, Korea

10:35 am **13 Current and Future Cholera Vaccines in Development: Their Science and Experience**
John D. Clemens, MD
International Centre for Diarrhoeal Disease Research
Dhaka, Bangladesh

11:00 am **14 Prevention and Control of Cholera: The Role of Vaccines**
Kashmira A. Date, MBBS, MPH
Centers for Disease Control and Prevention
Atlanta, GA

11:25 am Panel Discussion and Questions and Answers

12:00 pm

NFID Luncheon

Robert Austrian Memorial Lecture

Charles Mérieux Award Presentation

Maurice R. Hilleman Early-Stage Career Investigator Award Presentation

Symposium 4: **Regulatory Challenges for Evaluating and Approving Adjuvanted Vaccines** **CE**

Moderator: **Hana Golding, PhD**

Center for Biologics Evaluation and Research

US Food and Drug Administration

Bethesda, MD

1:30 pm

15 International Efforts to Harmonize the Pre-Clinical Evaluation of Adjuvanted Vaccines

Maria Baca-Estrada, PhD

Health Canada

Ottawa, Canada

1:50 pm

16 Clinical Trials of Adjuvant Vaccines: Special Considerations

Kathryn M. Edwards, MD

Vanderbilt University School of Medicine

Nashville, TN

2:10 pm

17 Monitoring Vaccine Safety with Novel Adjuvants

Hanna Nohynek, MD, PhD

National Institute for Health and Welfare (THL)

Helsinki, Finland

2:30 pm

18 US FDA Regulatory Perspective Development and Licensure of Adjuvanted Vaccines

Marion F. Gruber, PhD

Center for Biologics Evaluation and Research

US Food and Drug Administration

Rockville, MD

3:00 pm

Questions and Answers

3:30 pm

Coffee Break

Submitted Presentations (Concurrent Sessions) **CE**

4:00–5:15 pm

Submitted Presentations 2A: Vaccines for New and Emerging Infectious Disease

Submitted Presentations 2B: Vaccine Delivery Systems

WEDNESDAY, APRIL 30, 2014

7:00 am–1:00 pm	Registration
7:00–7:45 am	Dr. Richard J. Duma Meet the Experts Breakfast Session
7:30-8:00 am	Continental Breakfast

Submitted Presentations (Concurrent Sessions)

8:00–9:30 am	Submitted Presentations 3A: Vaccine Safety and Public Perception Submitted Presentations 3B: Immunization Programs
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9:30 am	Coffee Break
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Symposium 5: **Innovations in Influenza Vaccines**

Moderator: **Cyril G. Gay, DVM, PhD**
Agricultural Research Service
US Department of Agriculture
Beltsville, MD

10:00 am	19 NIAID Perspectives and Advances Towards Universal Flu Vaccines Rachelle Salomon, PhD National Institute for Allergy and Infectious Diseases National Institutes of Health Bethesda, MD
10:30 am	20 Vaccine-Induced Anti-HA2 Antibodies Promote Virus Fusion and Enhance Influenza Virus Respiratory Disease in a Pig Model Hana Golding, PhD Center for Biologics Evaluation and Research US Food and Drug Administration Bethesda, MD
11:00 am	21 Role of Recombinant Viral Vectored Vaccines for Control of Avian Influenza Viruses David L. Suarez, DVM, PhD Agricultural Research Service US Department of Agriculture Athens, GA
11:30 am	22 New Insights into Immunogenicity of Live-Attenuated Influenza Vaccines Kanta Subbarao, MD, MPH National Institute for Allergy and Infectious Diseases National Institutes of Health Bethesda, MD
12:00 pm	Questions and Answers
12:30 pm	Lunch (on your own)

Symposium 6: **Advances in Immunology and Vaccine Discovery**

Moderator: **Alison C. Mawle, PhD**
National Center for Immunization and Respiratory Disease
Centers for Disease Control and Prevention
Atlanta, GA

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| 1:30 pm | 23 | Systems Biology
Bali Pulendran, PhD
Emory Vaccine Center
Atlanta, GA |
| 2:00 pm | 24 | Assessment of Vaccine Performance by Tracking Activation and Expansion of Antigen Specific T and B Lymphocytes in Cattle and Swine
William T. Golde, PhD
Agricultural Research Service
US Department of Agriculture
Greenport, NY |
| 2:30 pm | 25 | Vaccine Adjuvants: The Promise and the Challenge
Martin H. Friede, PhD
World Health Organization
Geneva, Switzerland |
| 3:00 pm | | Questions and Answers |
| 3:30 pm | | Adjourn |