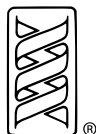


**MARCH 4-6, 2011**

**LOCATION**

**Hyatt Regency Chicago  
151 East Wacker Drive  
Chicago, IL**



**National Foundation for Infectious Diseases  
Clinical Vaccinology Course  
4733 Bethesda Avenue, Suite 750  
Bethesda, MD 20814-5228**

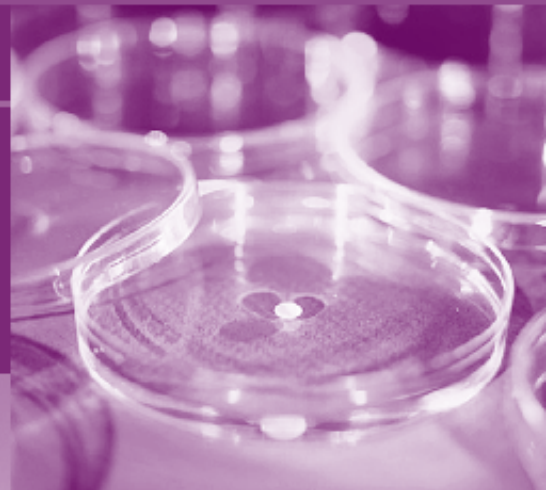
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# CLINICAL VACCINOLOGY COURSE

**MARCH 4-6, 2011**

**Hyatt Regency Chicago**

**Chicago, IL**



**SPONSORED BY:**  
National Foundation for Infectious Diseases

**AND**



The Emory Department of  
Medicine, Division of  
Infectious Diseases,  
and the Emory Vaccine Center

**IN COLLABORATION WITH:**  
American Academy of Pediatrics  
American Academy of Physician Assistants  
American College Health Association  
American Medical Association  
American Society of Health-System Pharmacists  
Centers for Disease Control and Prevention  
National Association of Pediatric Nurse Practitioners  
Society of Infectious Diseases Pharmacists

## STATEMENT OF NEED

Vaccines are one of the greatest success stories in public health. Yet, a National Immunization Survey conducted by the Centers for Disease Control and Prevention (CDC) in 2007 showed low rates across the board for all vaccinations in adults – the population in which nearly all vaccine-preventable deaths occur. Two studies published in 2008 by the CDC indicate that vaccination rates for children and teenagers are rising. However, although the majority of younger children are getting vaccinated, many teenagers still are not receiving all their recommended immunizations. Vaccines are key to preventing many important infectious diseases, and vaccine schedules have become increasingly complex. Clinicians need up-to-date education that addresses attitudinal, knowledge, and skill barriers, as well as provides resources that support optimal vaccination rates for patients across the age spectrum.

Each year, the Advisory Committee on Immunization Practices (ACIP) issues updated recommendations for vaccinations. However, a recent clinician survey revealed that nearly 50% of respondents did not rely on ACIP guidelines. It is important that clinicians are well acquainted with the current ACIP recommendations for vaccination, prepared to address questions related to use in specific patient scenarios, equipped with innovative and practical strategies for implementing vaccine recommendations in their clinical setting, and ready to educate and counsel patients regarding timely and appropriate vaccination.

New vaccines and special vaccines for international travel offer the promise of preventing ever-increasing infectious disease burdens. Incorporating them into clinical practice, however, requires an understanding of their indications, contraindications, safety profiles, and how they best fit within current immunization schedules.

### COURSE FORMAT

The course format will include didactic presentations, clinical case discussions, and meet the expert small group interaction. Each presentation will emphasize an interactive format with problem-based learning and case presentations where appropriate. Attendees will be encouraged to utilize an audience response system and participate in lively and stimulating question and answer discussions.

### WHO SHOULD ATTEND

- Primary Care Physicians
  - Family Physicians
  - Internal Medicine Specialists
  - Pediatricians
- Pharmacists
- Nurse Practitioners
- Physician Assistants
- Clinical Practice Nurses
- Public Health Specialists
- Infectious Disease Specialists
- Other Health Care Professionals involved with Clinical Aspects of Vaccinology

### COURSE OBJECTIVES

At the conclusion of this course, participants should be able to meet the following objectives:

- List three reasons why vaccine preventable diseases persist
- Describe the immunological mechanisms for vaccine protection
- Identify the challenges in implementation of immunization programs and strategies to improve them
- Review the process for monitoring and evaluating vaccine safety and describe the evolution of vaccine safety concerns
- Describe new technology and ideas contributing to the future of vaccine development and delivery

- Specify indications, contraindications and effectiveness of vaccines recommended routinely as well as vaccines recommended in special circumstances such as for international travel

### ACKNOWLEDGEMENTS

Multiple funding sources will be solicited to provide unrestricted educational grants in support of the course. Supporters will be acknowledged in the course syllabus.

### ACCREDITATION

#### Continuing Medical Education



The National Foundation for Infectious Diseases (NFID) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide Continuing Medical Education (CME) for physicians. NFID takes responsibility for the content, quality, and scientific integrity of this CME activity.

NFID designates this live activity for a maximum of 16.75 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### CONTINUING NURSING EDUCATION

NFID is an approved provider of continuing nursing education by the Maryland Nurses Association, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation. This educational activity has been approved for 16.75 contact hours. To receive credit, each participant must attend the entire program, and complete a daily sign-in sheet and conference evaluation.

The critical interface between vaccines and successful disease prevention is the primary care provider: the pediatrician, family physician, internist, nurse practitioner, physician assistant and other health care providers on whom patients rely for advice, including pharmacists. The influence of clinicians on patient decisions to vaccinate cannot be underestimated. However, research has shown that healthcare providers and consumers have differing perspectives on the reasons that adults are not vaccinated, indicating a need for improved communication between physicians and patients. Improving protection with available vaccines will require greater efforts by the health care community to provide vaccines at every opportunity and to educate patients about vaccines.

## COURSE OVERVIEW

This course focuses on new developments and issues related to the use of vaccines. Expert faculty will provide the latest information on both current and prospective vaccines through lectures and interactive case presentations. Leading infectious disease experts, pediatricians, and researchers will discuss newly available vaccines and vaccines in the pipeline, as well as established vaccines whose continued administration is essential to improving disease prevention efforts.

This course is specifically designed for physicians, nurses, nurse practitioners, physician assistants, pharmacists, vaccine program administrators, and other health professionals involved with or interested in the clinical use of vaccines. It will also be of interest to health care professionals involved in the prevention and control of infectious diseases, such as federal, state, and local public health officials. Course participants should have a knowledge of or interest in vaccines and vaccine-preventable diseases.

### CONTINUING PHARMACY EDUCATION



PharmCon is accredited by the Accreditation Council for Pharmacy Education as a provider for continuing pharmacy education. The ACPE numbers assigned to the program are 0798-9999-10-047-P, 0798-9999-10-048-P, and 0798-9999-10-049-P. (Original Date of Issue: 11/5/2010. Expiration Date of ACPE#: 11/7/2013). In order to receive credit for this program, each participant must attend the entire program and complete an evaluation form that must be turned into the program representative at the end of each day. Participants can earn up to a maximum of 19.5 credit hours. Statements of Credit will be mailed to program participants in approximately four to six weeks.

### DISCLOSURES

As a sponsor accredited by the Accreditation Council for Continuing Medical Education (ACCME) the National Foundation for Infectious Diseases must ensure balance, independence, objectivity, and scientific rigor in all its educational activities. All individuals in a position to control the content of the activity have disclosed: (1) any relevant financial interest or other relationship with the manufacturer(s) of any commercial product(s) and/or provider(s) of commercial services discussed in an educational presentation and/or with any commercial supporters of the activity; (2) any intention to discuss off-label uses of regulated substances or devices. Disclosure information is reviewed in advance to manage and resolve any real or perceived conflict of interest that may affect the balance and scientific integrity of an educational presentation.

### HOTEL ACCOMMODATIONS

A limited number of guest rooms have been reserved for course participants at the Hyatt Regency Chicago at the rate listed below. To make a reservation, call toll-free (888) 421-1442 and **tell the agent that you are attending the National Foundation for Infectious Diseases' 2011 Clinical Vaccinology Course** being held March 4-6, 2011. Reservations should be made **no later than February 10, 2011**, in order to secure the course rate. After that date, rooms are on a space-and-rate-available basis only. *Please note that the room block is limited, and contacting the hotel before February 10th does not guarantee that space will be available. Make your reservations as early as possible to avoid any problems.*

In addition, a small block of rooms have been reserved at the prevailing 2011 per diem for employees of the U.S. Federal Government. **Identify yourself as a U.S. Government employee when you call to make your reservation.** You will be required to present proof of your status upon check-in.

#### Hyatt Regency Chicago\*

151 East Wacker Drive  
Chicago, IL 60601  
312-565-1234

**\$155 per night, single/double (plus applicable tax, currently 15.4%)**

\*This facility is fully accessible to the public in accordance with the Americans with Disabilities Act guidelines.

# FRIDAY

## MARCH 4, 2011

- 7:30 am - 4:00 pm Registration  
7:30 am - 8:15 am Continental Breakfast  
8:15 am - 8:30 am Welcome and Introductions

### ■ KEYNOTE PRESENTATION:

- 8:30 am **An Overview of Vaccinology**  
Walter A. Orenstein, MD  
Bill and Melinda Gates Foundation  
Seattle, WA
- 9:15 am **Questions and Answers**

### ■ Session 1: How Vaccines Work

- 9:30 am **What is in Vaccines and Why?**  
Alison C. Mawle, PhD  
National Center for Immunization and  
Respiratory Diseases  
Centers for Disease Control and Prevention  
Atlanta, GA
- 10:00 am **Vaccine Induced Immunity**  
Paul Goepfert, MD  
University of Alabama at Birmingham  
Birmingham, AL
- 10:30 am **Questions and Answers**
- 10:45 am **Coffee Break**

### ■ Session 2: The Advisory Committee on Immunization Practices (ACIP) Update on Vaccine Recommendations

- 11:00 am Larry K. Pickering, MD, FAAP  
National Center for Immunization and  
Respiratory Diseases  
Centers for Disease Control  
and Prevention  
Emory University School of Medicine  
Atlanta, GA
- 11:45 am **Questions and Answers**
- 12:00 pm **Lunch (on your own)**

### ■ Session 3: Childhood Immunization

- 1:15 pm **Pneumococcal Conjugate Vaccines: Is More Better?**  
Matthew R. Moore, MD, MPH  
National Center for Immunization and  
Respiratory Diseases  
Centers for Disease Control and Prevention  
Atlanta, GA
- 1:45 pm **The Effect of Combination Vaccines on the Vaccine Schedule**  
Patricia A. Stinchfield, RN, MS, CPNP  
Children's Hospitals and Clinics of Minnesota  
St. Paul, MN

- 2:15 pm **For the Children: Immunizing Parents against Influenza and Pertussis**  
Kenneth Alexander, MD, PhD  
University of Chicago  
Chicago, IL
- 2:45 pm **Questions and Answers**
- 3:15 pm **Coffee Break**

### ■ Session 4: Clinical Cases in Vaccinology

- 3:30 pm William L. Atkinson, MD, MPH  
National Center for Immunization and  
Respiratory Diseases  
Centers for Disease Control and Prevention  
Atlanta, GA
- 4:15 pm **Adjournment**

# SATURDAY

## MARCH 5, 2011

- 7:15 am - 3:00 pm Registration  
7:15 am - 7:50 am Continental Breakfast  
7:15 am - 7:50 am Meet the Experts Roundtable

### ■ KEYNOTE PRESENTATION:

- 8:00 am **Global Immunization Disparities: Reaching Every Child**  
Orin S. Levine, PhD  
Johns Hopkins University Bloomberg School of  
Public Health  
Baltimore, MD
- 8:45 am **Questions and Answers**

### ■ Session 5: Special Vaccine Issues

- 9:00 am **Influenza Vaccine: Strains, Supply and Schedule**  
Kathleen M. Neuzil, MD, MPH  
PATH  
Seattle, WA
- 9:30 am **Questions and Answers**
- 9:45 am **Staphylococcal Vaccines**  
Juliane Bubeck-Wardenburg, MD, PhD  
University of Chicago  
Chicago, IL
- 10:15 am **Questions and Answers**
- 10:30 am **Coffee Break**
- 10:45 am **How do Vaccines Cause Adverse Events?**  
Neal A. Halsey, MD  
Johns Hopkins University  
Bloomberg School of Public Health  
Baltimore, MD
- 11:15 am **Question and Answers**

- 11:30 am **Economic Analysis of Vaccines: Cost and Benefits**  
Mark L. Messonnier, MS, PhD  
National Center for Immunization and  
Respiratory Diseases  
Centers for Disease Control and Prevention  
Atlanta, GA

### 12:00 pm Questions and Answers

### 12:15 pm Lunch (on your own)

## CONCURRENT SESSIONS: Immunization Challenges

### ■ Session 6A: Adult Immunization

- 1:45 pm **Pneumococcal Conjugate Vaccines: Conjugate or Polysaccharide?**  
Matthew R. Moore, MD, MPH  
National Center for Immunizations and  
Respiratory Diseases  
Centers for Disease Control and Prevention  
Atlanta, GA
- 2:15 pm **Immunization of Health Care Workers: Stand Up and Be Counted**  
Jane Seward, MBBS, MPH  
National Center for Immunizations and  
Respiratory Diseases  
Centers for Disease Control and Prevention  
Atlanta, GA
- 2:45 pm **Financing and Delivery of Vaccines: Access and Availability**  
Kristin L. Nichol, MD, MPH, MBA  
Minneapolis VA Medical Center  
University of Minnesota  
Minneapolis, MN
- 3:15 pm **Questions and Answers**
- 3:45 pm **Adjournment**

### ■ Session 6B: Childhood and Adolescent Immunization

- 1:45 pm **Rotavirus Vaccines: An Update and Evaluation After a Decade of Study and Use**  
S. Michael Marcy, MD, MPH  
University of California, Los Angeles David Geffen  
School of Medicine and University of Southern  
California School of Medicine  
Los Angeles, CA
- 2:15 pm **Meningococcal Vaccines**  
Amanda Cohn, MD  
National Center for Immunizations and  
Respiratory Diseases  
Centers for Disease Control and Prevention  
Atlanta, GA
- 2:45 pm **Overcoming the Challenge of Adolescent Immunization**  
Amy B. Middleman, MD, MPH, MS Ed  
Baylor College of Medicine  
Houston, TX
- 3:15 pm **Questions and Answers**
- 3:45 pm **Adjournment**

# SUNDAY MARCH 6, 2011

- 7:15 am - 9:00 am Registration  
7:15 am - 7:50 am Continental Breakfast  
7:15 am - 7:50 am Meet the Experts Roundtable

## ■ Session 7: Communication Issues

- 8:00 am **Vaccine Communication Issues**  
Martin G. Myers, MD  
University of Texas Medical Branch  
Galveston, TX
- 8:25 am **Communicating with Health Care Professionals**  
Noni E. MacDonald, MD, FRCPC  
Dalhousie University  
IWK Health Center  
Halifax, Nova Scotia, Canada
- 8:50 am **Communicating with Parents**  
Patricia A. Stinchfield, RN, MS, CPNP  
Children's Hospitals and Clinics of Minnesota  
St. Paul, MN

- 9:15 am **Communicating with Underserved Populations**  
Winston Price, MD  
VCASTI International  
Atlanta, GA
- 9:40 am **Questions and Answers**
- 10:00 am **Coffee Break**

## ■ Session 8: Clinical Cases in Vaccinology

- 10:15 am William L. Atkinson, MD, MPH  
National Center for Immunization and Respiratory Diseases  
Centers for Disease Control and Prevention  
Atlanta, GA

## ■ Session 9: Special Populations

- 11:00 am **Travel Vaccines: Don't Travel Without Them**  
Jay S. Keystone, MD, MSc (CTM), FRCPC  
Toronto General Hospital  
Toronto, Ontario, Canada
- 11:50 am **Questions and Answers**
- 12:00 pm **Vaccination During Pregnancy: Protecting Both Mothers and Infants**  
Janet A. Englund, MD  
University of Washington  
Seattle Children's Hospital  
Fred Hutchinson Cancer Research Center  
Seattle, WA

- 12:30 pm **Questions and Answers**
- 12:40 pm **HPV Vaccines for Males: Point/Counterpoint**  
S. Michael Marcy, MD, MPH  
University of California, Los Angeles David Geffen School of Medicine and University of Southern California School of Medicine  
Los Angeles, CA
- And  
Kenneth Alexander, MD, PhD  
University of Chicago  
Chicago, IL
- 1:30 pm **Adjournment**

## TRAVEL

**Driving from O'Hare International Airport (ORD):** The Hyatt Regency Chicago Hotel is located approximately 18 miles from O'Hare International Airport. Take Kennedy Expressway (I-90/94) East to Ohio St exit. Proceed on Ohio to State St and turn right. Turn left at Wacker Drive. The hotel is located approximately two blocks on the right. Taxi service is approximately \$30 - \$40 each way. Go Airport Shuttle operates daily, 6:05 a.m. - 11:00 p.m. (call or visit 877.544.4646 or [www.goairportshuttle.com](http://www.goairportshuttle.com)). The cost is approximately \$28 one-way or \$50 round trip.

**Train from O'Hare Airport to Hotel:** Board the train below baggage claim area (follow signs to C.T.A.). Take "L-Train" to Clark/Lake stop (approx. seven blocks from hotel). Walk East on Lake to Stetson St, turn left Stetson St and walk one block to the hotel. Note: This method is not recommended if guest has more than one bag, as there are numerous escalators and turn-styles. Guest can take a cab or walk from Clark/Lake stop. The cost is \$2.50 per person (one-way).

**Driving from Midway Airport (MDW):** The Hyatt Regency Chicago Hotel is located approximately 12 miles from Midway International Airport. Take Cicero Avenue North to Stevenson Expressway (I-55) North. Exit at Dan Ryan Expressway (I-90/94) West. Exit at Washington St and proceed East to Michigan Ave. Turn left. Proceed North to Wacker Drive. Turn right. The hotel is one block on right. Taxi service is approximately \$30 - \$40 each way. Go Airport Shuttle operates daily, 6:05 a.m. - 11:00 p.m. (call or visit 877.544.4646 or [www.goairportshuttle.com](http://www.goairportshuttle.com)). The cost is approximately \$23 one-way or \$40 round trip.

**Train from Midway Airport to Hotel:** Take "L Train" Orange Line to the State and Lake Street stop. Walk one block north to Wacker. Take a right on Wacker and the hotel is approximately three blocks. The cost is \$2.50 per person (one-way).

**Parking at the Hotel:** Parking for overnight guests is \$50 (with in and out privileges). For more information call 312-565-1234.

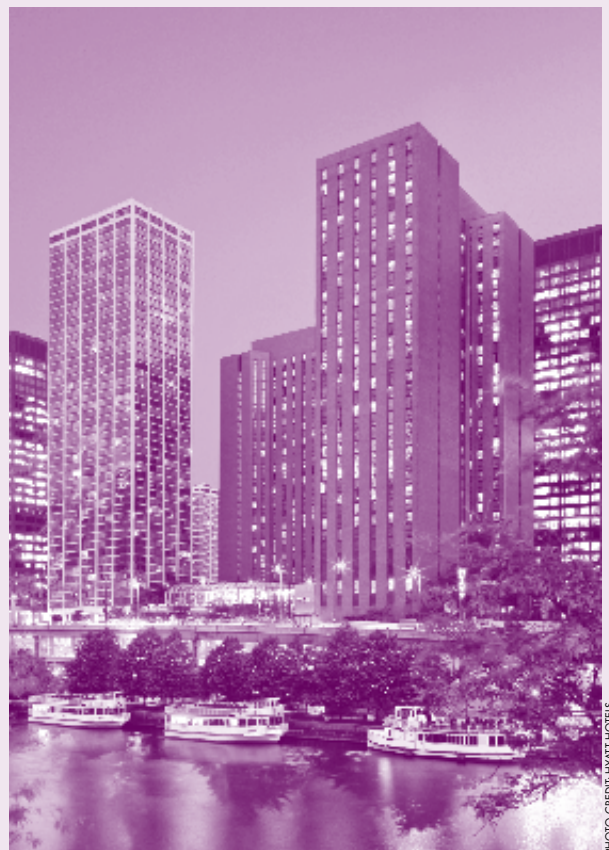


PHOTO CREDIT: HYATT HOTELS

# REGISTRATION AND FEES

## ON OR BEFORE JANUARY 24, 2011

Early Registration Fee .....	\$550
NFID Supporting Member .....	\$495
Doctors-in-Training* ** .....	\$275
Nurses** .....	\$275
Daily .....	\$225

## AFTER JANUARY 24, 2011

Registration Fee .....	\$650
NFID Supporting Member .....	\$585
Doctors-in-Training* ** .....	\$375
Nurses** .....	\$375
Daily .....	\$275

\*Includes medical students, doctoral students, residents, fellows, and physician assistants.

\*\*Verification of status must be provided in the form of a letter from your program director or for nurses, a copy of your valid license.

To qualify for the Early Registration Fee, a **complete registration form with payment** must be received at the NFID office before 5 p.m. Eastern Time on January 24, 2011. Registrations or payments received after January 24th will be subject to the higher rate.

The registration fee includes a course syllabus, continental breakfast on each day of the course, and all refreshment breaks. Accommodations and additional meals are not included.

Follow the registration instructions according to your method of payment. Confirmation notices will be sent within two weeks of completed registration and payment. Please allow time for processing.

- **Credit Cards:** If you are paying by credit card, you may register securely online at [www.nfid.org](http://www.nfid.org), fax your registration to (301) 907-0878, or mail it to the address below. We are unable to accept telephone registrations.
- **Check or Money Order:** Checks (drawn on a U.S. bank only) and/or money orders must be made in U.S. dollars, made payable to **NFID**, and mailed with the registration form to the address below.

*Purchase orders cannot be accepted.*

**SEND TO:** National Foundation for Infectious Diseases  
Clinical Vaccinology Course  
4733 Bethesda Avenue, Suite 750  
Bethesda, MD 20814-5228

**CALL:** (301) 656-0003, ext. 19

**FAX:** (301) 907-0878

**E-MAIL:** [idcourse@nfid.org](mailto:idcourse@nfid.org)

**Visit our web site:** [www.nfid.org](http://www.nfid.org)

For further information, please contact Sharon Cooper-Kerr or Lauren Ero at the address or telephone number listed above.

# REGISTRATION FORM

## CLINICAL VACCINOLOGY COURSE

HYATT REGENCY CHICAGO • CHICAGO, IL

MARCH 4-6, 2011

(Please print clearly or type; photocopy for additional registrants)

Last name First name Middle initial

Professional title Affiliation

Primary Degree(s): (circle all that apply)  
BA BS DSc DPH MA MD MPh MS PharmD PhD RN

Other: \_\_\_\_\_

Primary specialty (e.g. immunology, infectious diseases, clinical research, etc.)

Mailing address

City State Zip+4/postal code Country

Daytime telephone E-mail address

I do not wish my contact information to appear on the Participant List to be distributed at the course.

### SPECIAL NEEDS

Please list any special meeting needs or requirements you may have in the space below, or contact Sharon Cooper-Kerr at 301-656-0003, Ext 19 or [idcourse@nfid.org](mailto:idcourse@nfid.org):

\_\_\_\_\_  
\_\_\_\_\_

### PAYMENT (please circle)

ON OR BEFORE JANUARY 24, 2011

- \$550** REGISTRATION
- \$495** NFID SUPPORTING MEMBER
- \$275** DOCTORS IN TRAINING\* \*\*
- \$275** NURSES\*\*
- \$225** DAILY
- FRI.  SAT.  SUN. (CHECK BOX)

AFTER JANUARY 24, 2011

- \$650** REGISTRATION
- \$585** NFID SUPPORTING MEMBER
- \$375** DOCTORS IN TRAINING\* \*\*
- \$375** NURSES\*\*
- \$275** DAILY
- FRI.  SAT.  SUN. (CHECK BOX)

\* Includes medical students, doctoral students, residents, fellows, and physician assistants.

\*\* Verification of status must be provided in the form of a letter from your program director or for nurses, a copy of your valid license.

Check or money order drawn on U.S. funds (**made payable to NFID**) enclosed in the amount of \$ \_\_\_\_\_

Please bill my credit card in the amount of \$ \_\_\_\_\_  
Check type of card  Visa  MasterCard  American Express

\_\_\_\_\_  
Name as printed on card

\_\_\_\_\_  
Card number Expiration date

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Billing address (if different from registrant's mailing address)

**CANCELLATION POLICY** Refunds minus a \$75 administrative fee will be granted only if *written notification* arrives at the NFID office prior to 5 p.m. Eastern Daylight Time on January 24, 2011. There will be no refunds for cancellations made after this date. Substitutions will be allowed, but please notify us immediately. NFID, the Emory Department of Medicine, Division of Infectious Diseases, and the Emory Vaccine Center reserve the right to cancel this course at any time. In the event of a cancellation of the course, the full registration fee will be returned to the registrant.

**NFID SUPPORTING MEMBERSHIP**  
Become a Supporting Member of NFID and save 10% on your conference registration. Benefits also include subscriptions to NFID publications and newsletters. For more details visit [www.nfid.org/info/membership.shtml](http://www.nfid.org/info/membership.shtml).

I would like to become a NFID Supporting Member.

Enclosed is a check or money order in the amount of \$95

Please bill my credit card in the amount of \$95

## COURSE CO-CHAIRS

**Monica M. Farley, MD**

*Professor of Medicine*

Emory University School of Medicine and  
Atlanta VA Medical Center  
Atlanta, GA

**Mark J. Mulligan, MD, FACP**

*Professor of Medicine*

*Associate Director for Clinical Trials*  
*Executive Director, The Hope Clinic*  
Emory Vaccine Center  
Decatur, GA

**Larry K. Pickering, MD, FAAP**

*Senior Advisor to the Director*

National Center for Immunization and  
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*Executive Secretary*  
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*Medical Director*

National Foundation for Infectious Diseases  
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*Vice Chair of the Department of*  
*Infectious Diseases*  
Cleveland Clinic  
Cleveland, OH

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*Pediatrics Infectious Diseases Section*  
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*HIV Research*  
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*Infectious Disease Specialist*

*Clinical Associate Professor*  
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The Ohio State University Medical Center  
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Stanford, CA

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*Dean and Professor, School of Nursing &*  
*Health Professions*  
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Maryland State Department of Education  
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Ochsner Clinic Foundation  
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*Professor of Medicine, Pathology*  
*and Epidemiology*  
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University of Hawaii  
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**Richard K. Zimmerman, MD, MPH**

*Professor, Department of Family Medicine and*  
*Clinical Epidemiology*  
University of Pittsburgh School of Medicine  
Pittsburgh, PA

## COURSE FACULTY

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*Infectious Diseases*  
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Centers for Disease Control and Prevention  
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*Medical Epidemiologist*  
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Respiratory Diseases  
Centers for Disease Control and Prevention  
Atlanta, GA

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*Clinical Associate*  
Fred Hutchinson Cancer Research Center  
Seattle, WA

**Paul Goepfert, MD**

*Associate Professor of Medicine*  
*and Microbiology*  
*Director, Alabama Vaccine Research Center*  
University of Alabama at Birmingham  
Birmingham, AL

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*Prevention and Control*  
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Toronto, Ontario, Canada

**Orin S. Levine, PhD**

*Executive Director, Global Alliance for Vaccines*  
*and Immunization's Pneumococcal Vaccines*  
*Accelerated Development and Introduction*  
*Plan (PneumoADIP)*  
*Associate Professor, International Health*  
Johns Hopkins University Bloomberg School of  
Public Health  
Baltimore, MD

**Noni E. MacDonald, MD, FRCPC**

*Professor of Pediatrics*  
Dalhousie University  
*Head, Health Policy and Translation*  
Canadian Centre for Vaccinology  
IWK Health Center  
Halifax, Nova Scotia, Canada

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