

# HIV update

FIFTEENTH ANNUAL MEETING

*Earn up to 17.75 AMA PRA Category 1 Credits™*

Continuing Education credit is also available for Nurses and Pharmacists

**June 2 – 4, 2011 Seaport Hotel – Boston, Massachusetts**

**Under the Direction of:**

Peter F. Weller, MD, FACP

Lori A. Panther, MD, MPH

Rachel P. Baden, MD



**Harvard Medical School**

Department of Continuing Education



**Beth Israel Deaconess  
Medical Center**

The Department of Medicine

### **In this course you will:**

- Review the current standards of care in monitoring and treating patients with HIV infection from the asymptomatic stage through the various clinical manifestations.
- Assess recent advances in the field, e.g. genotypic and phenotypic testing, new antiretroviral agents, approach to initial treatment and salvage therapy, challenging populations, gender issues in HIV, community acquired MRSA epidemiology and treatment.
- Review new information about long-term complications including hepatitis and malignancies.
- Analyze the wide range of manifestations in HIV disease; the findings with which patients most typically present to their primary care provider in the outpatient setting will be stressed.
- Have ample opportunity to ask questions and to interact with the experienced faculty of the Beth Israel Deaconess Medical Center and invited guest faculty.

### **You will take home:**

- An understanding of clinically important advances
- An awareness of areas of strength and weakness by participating in interactive computer-based sessions
- Recommendations for optimal management
- A complete syllabus that will allow you to review material at home

The HIV Update course is a comprehensive Continuing Medical Education program specifically designed for physicians and other health care professionals who care for HIV-infected patients and have an interest in learning the latest advances in treating HIV/AIDS.

### **Who Should Attend?**

- Physicians specializing in Infectious Diseases, Family Practice and Internal Medicine
- Hospitalists
- Physician Assistants and Nurse Practitioners
- Nurses
- Pharmacists
- Social Workers

### **Key Topics Include:**

- State of the Art management of HIV-infected patients in the ambulatory and hospitalized settings;
- The science of HIV replication and its clinical application;
- Comprehensive review of antiretroviral therapy (ART) in the setting of treatment initiation, salvage therapy, and post-exposure prophylaxis
- Diagnosis and management of primary HIV infection;
- Detailed discussions of HIV complications including opportunistic infections, malignancies, hepatitis B and C co-infection;
- Contemporary topics in HIV including renal disease, HIV in children and adolescents and the management of HPV-related anogenital infection;
- Women's health issues in HIV including management pre and post partum;
- Discussions of challenging cases with an expert panel.



*"A comprehensive look at HIV infection. Excellent speakers that clearly keep up with the literature!"*

## faculty

### Harvard Medical School Course Directors

PETER F. WELLER, MD, FACP  
Professor of Medicine  
Harvard Medical School  
Professor of Immunology and Infectious Disease  
Harvard School of Public Health  
Chief, Infectious Diseases Division  
Chief, Allergy and Inflammation Division  
Vice Chair for Research  
Department of Medicine  
Beth Israel Deaconess Medical Center

LORI A. PANTHER, MD, MPH  
Assistant Professor of Medicine  
Harvard Medical School  
Staff Physician, Division of Infectious Diseases  
Beth Israel Deaconess Medical Center  
Associate Medical Director for Clinical Research  
The Fenway Institute

RACHEL P. BADEN, MD  
Instructor in Medicine  
Harvard Medical School  
Staff Physician, Division of Infectious Diseases  
Beth Israel Deaconess Medical Center

### Guest Faculty

NOBEL A. BELLOSILLO, MD  
Director, Medical Affairs US/Canada  
Vircolab, Inc.

SUSAN CU-UVIN, MD  
Professor of Obstetrics-Gynecology and Medicine  
Brown University  
Director, The Immunology Center  
The Miriam Hospital

KATHERINE HSU, MD, MPH  
Assistant Professor of Pediatrics  
Boston University Medical School  
Attending Physician, Pediatric Infectious Diseases  
Boston University Medical Center  
Medical Director, Division of STD Prevention and HIV/AIDS Surveillance  
Massachusetts Department of Public Health

KENNETH H. MAYER, MD  
Professor of Medicine and Community Health  
Brown University School of Medicine  
Attending Physician  
The Miriam Hospital  
Director  
Brown University AIDS Program  
Research Medical Director  
The Fenway Institute

JEFFREY SAMET, MD, MPH  
Professor of Medicine  
Boston University School of Medicine  
Chief, Section of General Internal Medicine  
Boston Medical Center

### Harvard Medical School Faculty

JENNIFER A. MITTY, MD, MPH  
Instructor in Medicine

DAN H. BAROUCH, MD, PhD  
Professor of Medicine

HEIDI L. BEHFOROZ, MD  
Assistant Professor of Medicine

SIGALL BELL, MD  
Assistant Professor of Medicine

JOHN P. DOWEIKO, MD  
Assistant Professor of Medicine

MARSHALL FORSTEIN, MD  
Associate Professor of Psychiatry

CAMILLA S. GRAHAM, MD, MPH  
Assistant Clinical Professor of Medicine

MELANIE P. HOENIG, MD  
Assistant Professor of Medicine

ADOLF W. KARCHMER, MD  
Professor of Medicine

IGOR J. KORALNIK, MD  
Professor of Neurology

DOUGLAS S. KRAKOWER, MD  
Clinical Fellow in Medicine

HOWARD LIBMAN, MD  
Professor of Medicine

CHRISTOPHER F. ROWLEY, MD, MPH  
Instructor in Medicine

CATHRYN L. SAMPLES, MD, MPH  
Assistant Professor of Pediatrics

ROGER L. SHAPIRO, MD, MPH  
Associate Professor of Medicine  
Associate Professor of Immunology and Infectious Disease  
Harvard School of Public Health

WENDY STEAD, MD  
Instructor in Medicine

RUTH E. TUOMALA, MD  
Assistant Professor of Obstetrics, Gynecology and Reproductive Biology

# general information

## Online Information

To register or view course information online, visit: [www.cme.hms.harvard.edu/courses/HIV](http://www.cme.hms.harvard.edu/courses/HIV)

To ensure proper registration, please add the first three characters of the source code found at the bottom of the registration form.

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## registration form

PLEASE PRINT CLEARLY

FULL NAME \_\_\_\_\_

DEGREE \_\_\_\_\_

MAILING ADDRESS: STREET \_\_\_\_\_

CITY \_\_\_\_\_

STATE \_\_\_\_\_

ZIP CODE \_\_\_\_\_

COUNTRY \_\_\_\_\_

E-MAIL ADDRESS \_\_\_\_\_

Please check if you wish to be excluded from receiving e-mail notices of future Harvard Medical School, Department of Continuing Education programs.

DAYTIME PHONE \_\_\_\_\_

FAX NUMBER \_\_\_\_\_

PROFESSIONAL SCHOOL ATTENDED \_\_\_\_\_

YEAR OF GRADUATION \_\_\_\_\_

PROFESSION \_\_\_\_\_

PRINCIPAL SPECIALTY \_\_\_\_\_

BOARD CERTIFIED:

YES

NO

ORGANIZATIONAL AFFILIATION \_\_\_\_\_

#312577

Upon receipt of your registration form an email confirmation from the HMS-DCE office will be sent to you. Therefore, be sure to include an email address that you check daily/frequently. Your email address is used for critical information about the course including: registration confirmation, course evaluation and certificate.

## Tuition Fee

PLEASE CHECK ONE:

Tuition Fee: \$740 (USD)

Reduced Fee for Residents\* and Fellows in Training\* and Allied Health Professionals: \$540 (USD)

\*A letter of verification from Department Chair must accompany for a reduced fee.

CHECK IS ENCLOSED. Please make your check payable to **Harvard Medical School** and mail it with this registration form to:

**Harvard Medical School, Department of Continuing Education, P.O. Box 825, Boston, MA 02117-0825**

If paying by credit card telephone, fax or mail-in registrations are not accepted. Registrations paid by credit card can be submitted online at [www.cme.hms.harvard.edu/courses/HIV](http://www.cme.hms.harvard.edu/courses/HIV)

Online registrants - add the first three characters of the source code found

here. →

Source Code: A B C D E F G H I J K L M N O P Q R S T U V W X Y Z ZZ

### Accreditation

Harvard Medical School is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Harvard Medical School designates this educational activity for a maximum of 16.75/17.75 with optional lunch session *AMA PRA Category 1 Credits*<sup>TM</sup>.

Physicians should only claim credit commensurate with the extent of their participation in the activity.

The American Medical Association has determined that physicians not licensed in the United States who participate in this CME activity are eligible for *AMA PRA Category 1 Credits*<sup>TM</sup>.

### Nursing Credit

This educational activity has been approved for 17.4 contact hours by the New Hampshire Nurses' Association Commission on Continuing Education, which is accredited as an approver of Continuing Education by the American Nurses Credentialing Center's Commission on Accreditation.

### Pharmacy Credit

An application has been submitted to the Lahey Clinic. Lahey Clinic is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmaceutical education. Determination of credit is pending. Please call 781-744-3658 and ask for Patrick Lam (ACPE administrator) for more information.

### Course Location

Seaport Hotel  
One Seaport Lane, Boston, MA 02210  
(Telephone: 1-877-SEAPORT or 617-385-4000)  
[www.seaportboston.com](http://www.seaportboston.com)

*"This was an excellent course! Covered a broad range of topics and provided information that I can bring back to my group to facilitate our understanding of the changes in HIV treatment."*

### Registration Information

Registration Fee:

- Tuition Fee: \$740 (USD)
- Reduced Fee for Residents\* and Fellows in Training\* and Allied Health Professionals: \$540 (USD)

\* A letter of verification from Department Chair must accompany the registration form for reduced fee.

### Register early, space is limited.

Please make check payable to Harvard Medical School and mail with the completed registration form to **Harvard Medical School, Department of Continuing Education, P.O. Box 825, Boston, MA 02117-0825**. Register early, space is limited. If paying by credit card, register online at [www.cme.hms.harvard.edu/courses/HIV](http://www.cme.hms.harvard.edu/courses/HIV) **Telephone or mail-in registration with credit card payment is not accepted**. All foreign payments must be made by a draft on a United States bank or by Visa or MasterCard. Inquiries should be directed to the above address, made by phone: 617-384-8600, Monday-Friday, 10 AM to 4 PM (EST), or by e-mail: [hms-cme@hms.harvard.edu](mailto:hms-cme@hms.harvard.edu). Upon receipt of registration, a confirmation letter will be emailed to the address listed on the form.

### Accommodations and Travel

**Hotel rooms in Boston are limited. You are urged to make your reservations early.** A limited number of rooms have been reserved at the **Seaport Hotel** (Telephone: 1-877-SEAPORT; Online: [www.seaportboston.com](http://www.seaportboston.com)) until **May 2, 2011**. Please specify that you are enrolled in this course to receive a reduced room rate of \$245.

For information on reduced airfare, call the HMS Travel Desk toll free at 1-877-442-7863, Monday - Friday 9 AM - 8 PM (EST). From outside the U.S., Canada and Virgin Islands, please call 617-559-3764. **Please do not make non refundable airline reservations until you have been confirmed into this course.**

### Refund Policy

A handling fee of \$60 is deducted for a cancellation. Refund requests must be received by mail one week prior to the course. No refunds will be made thereafter.

*"Concise, evidence-based material that closely follows current guidelines."*

## course schedule

### THURSDAY, JUNE 2, 2011

7:15am – 8:00am  
**Registration and Continental  
Breakfast**

8:00am – 8:15am  
**Introduction and Welcome**  
Peter F. Weller, MD, FACP  
Lori A. Panther, MD, MPH  
Rachel P. Baden, MD

#### EPIDEMIOLOGY AND GLOBAL PERSPECTIVES

8:15am – 9:00am  
**Immunopathogenesis of HIV Infection  
and Vaccine Approaches**  
Dan H. Barouch, MD, PhD

9:00am – 9:30am  
**Global and National Epidemiology**  
Roger L. Shapiro, MD, MPH

9:30am - 9:40am  
**Question and Answer Session**  
Dan H. Barouch, MD, PhD  
Roger L. Shapiro, MD, MPH

9:40am -10:00am  
**Refreshment Break**

#### ANTIRETROVIRAL THERAPY

10:00am – 10:50am  
**Starting an Initial Antiretroviral  
Regimen, Sequencing and the Role of  
Resistance Testing**  
Camilla S. Graham, MD, MPH

10:50am – 11:30am  
**New Therapeutic Agents and Their  
Use in Treatment Experienced HIV  
Persons**  
Christopher F. Rowley, MD, MPH

11:30am – 12:00pm  
**Question and Answer Session**  
Camilla S. Graham, MD, MPH  
Christopher F. Rowley, MD, MPH

12:00pm – 12:15pm  
**Break** (pick-up lunch)

12:15pm – 1:25pm  
**Lunch Session: Resistance Workshop**  
Camilla S. Graham, MD, MPH  
Christopher F. Rowley, MD, MPH

1:25pm – 1:30pm  
**Break**

#### HIV COMPLICATIONS

1:30pm – 2:00pm  
**HPV Related Complications**  
Lori A. Panther, MD, MPH

2:00pm – 2:30pm  
**Adherence in Challenging Populations**  
Heidi L. Behforouz, MD

2:30pm – 2:40pm  
**Question and Answer Session**  
Lori A. Panther, MD, MPH  
Heidi L. Behforouz, MD

2:40pm – 3:00pm  
**Refreshment Break**

3:00pm – 3:45m  
**Fun with HIV Mutations**  
Nobel A. Bellosillo, MD

3:45pm – 4:15pm  
**Primary HIV Infection**  
Sigall Bell, MD

4:15pm – 4:30pm  
**Question and Answer Session**  
Nobel A. Bellosillo, MD  
Sigall Bell, MD

### FRIDAY, JUNE 3, 2011

7:30am – 8:00am  
**Continental Breakfast**

#### HIV FOR THE PCP

8:00am – 8:30am  
**Primary Care Issues in the HIV Infected  
Patient**  
Howard Libman, MD

8:30am – 9:00am  
**Biological Approaches to HIV  
Prevention**  
Kenneth H. Mayer, MD

9:00am – 9:05am  
**Question and Answer Session**  
Howard Libman, MD  
Kenneth H. Mayer, MD

9:05am – 9:35am  
**Depression and HIV**  
Marshall Forstein, MD

9:35am – 10:05am  
**Illicit Drugs, Alcohol and Addiction in HIV**  
Jeffrey Samet, MD, MPH

10:05am – 10:15am  
**Question and Answer Session**  
Marshall Forstein, MD  
Jeffrey Samet, MD, MPH

10:15am – 10:30am  
**Refreshment Break**

10:30am – 10:50am  
**Assisted Reproduction**  
Lori A. Panther, MD, MPH

10:50am – 11:10am  
**HIV Testing**  
Jennifer A. Mitty, MD, MPH

11:10am – 11:20am  
**Question and Answer Session**  
Lori A. Panther, MD, MPH  
Jennifer A. Mitty, MD, MPH

*"Excellent speakers, well prepared slide presentations, great general overview of many important issues that are practical."*

June 2 – 4, 2011

**SATURDAY, JUNE 4, 2011**

11:20am – 11:50am  
**Gender Issues in HIV**  
Susan Cu-Uvin, MD

11:50am – 12:20pm  
**OB Issues in the HIV+ Woman**  
Ruth E. Tuomala, MD

12:20pm – 12:30pm  
**Question and Answer Session**  
Susan Cu-Uvin, MD  
Ruth E. Tuomala, MD

12:30pm – 2:00pm  
**Lunch** (on your own)

1:00pm – 2:00pm  
**Special Lunchtime Workshops**  
(optional)

**Workshop 1**  
**HIV Learning Resources and Internet**  
Douglas S. Krakower, MD

**Workshop 2**  
**HIV in Adolescents and Young Adults**  
**and Transitions for Children and**  
**Youth Growing with HIV**  
Cathryn L. Samples, MD, MPH

**HIV FOR THE PCP**

2:00pm – 2:45pm  
**Opportunistic Infections**  
Wendy Stead, MD

2:45pm – 3:15pm  
**Neurological Manifestations of HIV**  
Igor J. Korolnik, MD

3:15pm – 3:35pm  
**Refreshment Break**

3:35pm – 4:05pm  
**Community-Acquired MRSA in HIV**  
Adolf W. Karchmer, MD

4:05pm – 4:15pm  
**Question and Answer Session**  
Igor Korolnik, MD  
Wendy Stead, MD  
Adolf W. Karchmer, MD

7:30am – 8:00am  
**Continental Breakfast**

**COMPLICATIONS AND**  
**CO-MORBIDITIES**

8:00am – 8:40am  
**HIV and Malignancies**  
John P. Doweiko, MD

8:40am – 9:10am  
**Renal Disease**  
Melanie P. Hoenig, MD

9:10am – 9:25am  
**Question and Answer Session**  
John P. Doweiko, MD  
Melanie P. Hoenig, MD

9:25am – 9:45am  
**Refreshment Break**

9:45am – 10:05am  
**PEP and NPEP**  
Rachel P. Baden, MD

10:05am – 11:05am  
**Hepatitis B and C Co-infection**  
Rachel P. Baden, MD

11:05am – 11:35am  
**Management of Sexually Transmitted**  
**Infections in HIV Infected and at Risk Patients**  
Katherine Hsu, MD, MPH

11:35am – 11:50am  
**Question and Answer Session**  
Rachel P. Baden, MD  
Katherine Hsu, MD, MPH

11:50am – 12:00pm  
**Closing Remarks**  
Peter F. Weller, MD, FACP  
Lori A. Panther, MD, MPH  
Rachel P. Baden, MD

# HIV Update

Contemporary Issues in Management

*“The speakers are fantastic – knowledgeable and experienced.”*