



INTERNAL MEDICINE

COMPREHENSIVE REVIEW and UPDATE

June 11 – 16
2018
Cambridge, MA

This course sold out last year, and is one of the highest-rated Harvard Medical School CME courses. Early registration strongly advised.



- Comprehensive and evidence-based updates in Internal Medicine and all of its subspecialties
- Strategies to improve diagnosis and management of diseases seen in both ambulatory and inpatient settings
- Includes case-based instruction and daily Q&A sessions with Harvard Medical School's leading clinical faculty
- Expanded treatment options for Diabetes (including new technologies), Cardiovascular Disease, Targeted Cancer Therapies
- Advances in Immunotherapies and Biologics
- What's state-of-the-art for Cancer Screening and Prevention, Addiction Medicine, Heart Disease in Women, and more
- Participate in a live *NEJM* Clinicopathologic Conference (CPC) session

The 58th Annual Internal Medicine Update from the leading Clinical Faculty of Harvard Medical School and Massachusetts General Hospital

Under the direction of
Katrina Armstrong, MD
Rocío Hurtado, MD, DTM&H
David Dudzinski, MD, JD

90+ sessions. Full agenda inside.

Register at InternalMedicine.HMSCME.com



MASSACHUSETTS
GENERAL HOSPITAL

Internal Medicine Comprehensive Review and Update

Who Attends

- Internists
- Family Physicians
- Medical Specialists
- Nurse Practitioners
- Physician Assistants

...and other medical professionals who want a comprehensive review and update in Internal Medicine



This program is among the highest-rated Harvard Medical School CME courses

Learning Objectives

Upon completion of this course, participants will be able to:

- Apply the most up-to-date and evidence-based recommendations for diagnosis and clinical management of the most relevant illnesses seen across Internal Medicine
- Incorporate new clinical and translational research findings across Internal Medicine and its subspecialties into more effective approaches in medical management across a wide array of clinical settings (ambulatory and inpatient)
- Identify the full breadth and depth of diagnostic and management strategies used in everyday clinical practice as guided by the medical literature with the aim to improve patient outcomes

2018 Program Highlights

- Comprehensive and evidence-based updates in Internal Medicine and all of its subspecialties
- Strategies to improve diagnosis and management of diseases seen in both ambulatory and inpatient settings
- Includes case-based instruction and daily Q&A sessions with Harvard Medical School's leading clinical faculty
- Expanded treatment options for Diabetes (including new technologies), Cardiovascular Disease, Targeted Cancer Therapies
- What's state-of-the-art in Immunotherapies, Biologics, Cancer Screening and Prevention, Addiction Medicine, Heart Disease in Women and more
- Participate in a live *NEJM* Clinicopathologic Conference (CPC) session

Accreditation

ACCREDITATION COUNCIL FOR CONTINUING MEDICAL EDUCATION

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

The Harvard Medical School designates this live activity for a maximum of 62.50 *AMA PRA Category 1 Credits*[™]. Physicians should claim only the credit commensurate with the extent of their participation in this activity.

AMERICAN ACADEMY OF FAMILY PHYSICIANS

This Live activity, *Internal Medicine Comprehensive Review and Update 2018*, with a beginning date of 6/11/2018, has been reviewed and is acceptable for up to 61 Prescribed credit(s) by the American Academy of Family Physicians. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

MOC STATEMENT

Successful completion of this CME activity enables the participant to earn up to 62.50 MOC points in the American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity. It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC points.

RISK MANAGEMENT

This activity meets the criteria of Massachusetts Board of Registration in Medicine for 3.25 credits of Risk Management Study. This includes 1.75 Credits of Opioid Education and Pain Management Training and .75 Credits of End-of-Life Care Studies. Please check your individual state licensing board requirements before claiming these credits.

NURSE PRACTITIONERS and REGISTERED NURSES

For the purpose of recertification, the American Nurses Credentialing Center accepts *AMA PRA Category 1 Credit*[™] issued by organizations accredited by the ACCME (Accreditation Council for Continuing Medical Education). We would also suggest that learners check with their state licensing board to ensure they accept reciprocity with *AMA PRA Category 1 Credit*[™] for re-licensure.

PHYSICIAN ASSISTANTS

The National Commission on Certification of Physician Assistants (NCCPA) states that *AMA PRA Category 1 Credits*[™] are acceptable for continuing medical education requirements for recertification. We would also suggest that learners check with their state licensing board to ensure they accept reciprocity with *AMA PRA Category 1 Credit*[™] for re-licensure.

CANADIAN ACCREDITATION

The Royal College of Physicians and Surgeons of Canada recognizes conferences and workshops held outside of Canada that are developed by a university, academy, hospital, specialty society or college as accredited group learning activities.

EUROPEAN ACCREDITATION

Through an agreement between the American Medical Association and the European Union of Medical Specialists, physicians may convert *AMA PRA Category 1 Credit*[™] to an equivalent number of European CME Credits[®] (ECMECs[®]). Information on the process of converting *AMA PRA Category 1 Credits*[™] to ECMECs[®] can be found at: www.eaccme.eu.

Comprehensive Review and Update

Course Description

This program provides a comprehensive and evidence-based review of the rapidly evolving changes impacting the practice of Internal Medicine. Led by Harvard Medical School's most distinguished clinical faculty, this course emphasizes recent advances, state-of-the-art clinical strategies, controversies, the latest guidelines, and improved options for screening, diagnosis and management of illnesses across Internal Medicine and all its subspecialties:

- Cardiovascular Disease
- Hematology and Oncology
- Gastroenterology and Hepatology
- Pulmonary and Critical Care
- Infectious Diseases
- Endocrinology
- Addiction Medicine
- Nephrology
- Rheumatology
- Women's Health
- Lifestyle Medicine
- Obesity Medicine
- Neurology and Psychiatry
- Dermatology
- Palliative Care

All updates are paired with specific practice recommendations to help you achieve optimal patient outcomes in both inpatient and outpatient settings, and to ensure you remain at the leading edge of Internal Medicine.

Harvard Medical School Faculty

Course Directors

Katrina Armstrong, MD, Jackson Professor of Clinical Medicine, Harvard Medical School
Physician-in-Chief, Department of Medicine, Massachusetts General Hospital

Rocio Hurtado, MD, DTM&H, Assistant Professor of Medicine, Harvard Medical School
Director, Mycobacterial Center of Excellence, Division of Infectious Diseases, Department of Medicine, Massachusetts General Hospital

David Dudzinski, MD, JD, Instructor in Medicine, Harvard Medical School
Director, Cardiac Intensive Care Unit, Division of Cardiology, Department of Medicine, Massachusetts General Hospital and Associate Editor of NEJM, Case Records Series

Harvard Medical School Faculty

Ashwin Ananthakrishnan, MBBS, MPH
Meridale Baggett, MD
Michael Bierer, MD
Marcy Bolster, MD
Gary Brenner, MD, PhD
Enrico Cagliero, MD
Wendy Chen, MD, MPH
Daniel Chung, MD
Kathleen Corey, MD, MPH
Gary Curhan, ScD, MD
Ibiayi Dagogo-Jack, MD
Anthony D'Amico, MD, PhD
Gilbert Daniels, MD
Bethany-Rose Daubman, MD
Benjamin Davis, MD
Marcela Del Carmen, MD
Jules Dienstag, MD
David Dudzinski, MD, JD
Donna Felsenstein, MD
Andrew Fennes, MD
Mark Fisher, MD
Mason Freeman, MD
Robert Friday, MD, PhD
Raj Gandhi, MD
John Garber, MD
Fiona Gibbons, MD
Samuel Goldhaber, MD
Paul Hesterberg, MD

Martin Hirsch, MD
Elizabeth Hohmann, MD
Chin Hur, MD
Rocio Hurtado, MD, DTM&H
Adolph Hutter, MD
Eric Isselbacher, MD
Michael Jaff, DO
David Kanarek, MD
Lee Kaplan, MD, PhD
Hamed Khalili, MD, MPH
Camille Kotton, MD
Suzanne Koven, MD
Daniela Kroshinsky, MD
Braden Kuo, MD
David Kuter, MD, DPhil
Irene Kuter, MD, DPhil
Alyssa Letourneau, MD, MPH
Andrew Lundquist, MD, PhD
Moussa Mansour, MD
Kathryn Martin, MD
Melissa Mattison, MD
Guy Maytal, MD
Eli Miloslavsky, MD
James Mojica, MD
Janet Murphy, MD
David Nathan, MD
Sandra Bliss Nelson, MD
Christopher Newton-Cheh, MD

Kerri Palamara, MD
Carl Pallais, MD, MPH
Daniel Pratt, MD
Fadi Ramadan, MD
Kerry Reynolds, MD
Nancy Rigotti, MD
Eric Rosenberg, MD
Douglas Ross, MD
Steven Russell, MD, PhD
Edward Ryan, MD, DTM&H
Marc Sabatine, MD, MPH
Martin Samuels, MD
Kai Saukkonen, MD
Paul Sax, MD
Aneesh Singhal, MD
David Steele, MBChB
John Stone, MD, MPH
Ryan Sullivan, MD
David Sykes, MD, PhD
Taylor Thompson, MD
Sarah Wakeman, MD
Meagan Wasfy, MD
Malissa Wood, MD
Ramnik Xavier, MD, PhD
Doreen Defaria Yeh, MD
Elaine Yu, MD, MMSc
Randall Zusman, MD

Guest Faculty

Juan Carlos Ayus, MD, Clinical Professor of Medicine, University of California Irvine

Marwan Azar, MD, Assistant Professor, Yale School of Medicine, Department of Infectious Diseases, Department of Internal Medicine, Yale Medicine

Ronak Gandhi, PharmD, BCPS, Clinical Professor, Northeastern University School of Pharmacy; Clinical Pharmacist, Infectious Diseases, Massachusetts General Hospital

Russel Roberts, PharmD, FCCM, BCCCP, Adjunct Clinical Professor, Northeastern University School of Pharmacy; Clinical Pharmacy Manager, Cardiology, Critical Care & Emergency Medicine Services, Massachusetts General Hospital

Monday • June 11

6:00am	Registration
6:30am	Continental Breakfast
7:00am	Course Introduction Rocio Hurtado, MD, DTM&H and David Dudzinski, MD, JD
7:15am	Acute Kidney Injury: What's New Andrew Lundquist, MD, PhD
8:00am	Venous Thromboembolic Disease: A Practical Approach Samuel Goldhaber, MD
9:00am	Oncologic Emergencies: Case-Based Session Kerry Reynolds, MD
9:45am	Kidney Stones for the Internist Gary Curhan, ScD, MD
10:15am	Break (Refreshments provided)
10:30am	Update in Management of Chronic Kidney Disease, including ESRD David Steele, MBBCh
11:15am	Renal Cases (Interactive Session) Andrew Fervens, MD
12:00pm	Dysnatremias: A Practical Approach Juan Carlos Ayus, MD
1:00pm	Break for lunch*
2:00pm	Scleroderma: A Practical Approach Marcy Bolster, MD
2:20pm	Systemic Lupus for the Internist Robert Friday, MD, PhD
2:40pm	Vasculitis in 2018: A Rational Approach John Stone, MD, MPH
3:30pm	Break (Refreshments provided)
3:45pm	Laboratory Interpretation in Rheumatology Eli Miloslavsky, MD
4:15pm	Update in Prostate Cancer for the Internist Anthony D'Amico, MD, PhD
5:00pm	Rheumatoid Arthritis: What's New Mark Fisher, MD
5:30pm	Hospital Medicine Update 2018 Melissa Mattison, MD
6:15pm	Dermatology for the Internist Daniela Kroshinsky, MD
7:00pm	Daily Program Ends

Tuesday • June 12

6:30am	Continental Breakfast
7:00am	Q & A with the Professors Renal & Rheumatology Faculty
7:30am	Hyper and Hypothyroidism: What You Need to Know Gilbert Daniels, MD
8:15am	Update in Thyroid Nodules Douglas Ross, MD
8:45am	Adult Onset Diabetes Management: What's New in the Field David Nathan, MD
9:30am	Break (Refreshments provided)
9:45am	Recent Advances in Diabetes in 2018 Enrico Cagliero, MD
10:30am	New Technologies in the Treatment of Diabetes Steven Russell, MD, PhD
11:00am	Practical Approach to the Patient with Menopausal Symptoms Kathryn Martin, MD
11:30am	Break for lunch*
12:30pm	Osteoporosis: A Practical Approach for 2018 Elaine Yu, MD, MMSc
1:15pm	Cases in Endocrinology: Interactive Session Carl Pallais, MD, MPH
1:45pm	Allergy and Immunology Update Paul Hesterberg, MD
2:30pm	What's New in Sleep Apnea James Mojica, MD
3:00pm	Update in Sepsis 2018 Taylor Thompson, MD
3:45pm	Break (Refreshments provided)
4:00pm	Lung Cancer Update Ibiayi Dagogo-Jack, MD
4:45pm	Asthma Diagnosis and Management in 2018 Fiona Gibbons, MD
5:15pm	How to Approach Chronic Cough? Kai Saukkonen, MD
6:00pm	Update on COPD David Kanarek, MD
6:45pm	Screening for GYN-Related Cancers: What's New Marcela Del Carmen, MD
7:15pm	Daily Program Ends

*There are many convenient and varied lunch options within a short walking distance of the course.

Program changes/substitutions may be made without notice. To view the most up-to-date version of the course program, please visit the course website.

Wednesday • June 13

6:30am	Continental Breakfast
7:00am	Q & A with the Professors Endocrine & Pulmonary Faculty
7:30am	C. diff Update: What's New in 2018 Elizabeth Hohmann, MD
8:15am	Common Curbside Consults in ID Paul Sax, MD
9:00am	Diagnostics in ID: A Rational Approach Marwan Azar, MD
9:30am	Break (Refreshments provided)
9:45am	Pharmacokinetics and Dosing Considerations in Special Populations: Does One Size Fit All? Ronak Gandhi, PharmD, BCPS and Russel Roberts, PharmD, FCCM, BCCCP
10:30am	Antibiotics: What You Need to Know in 2018 Alyssa Letourneau, MD, MPH
11:15am	Transition break
11:30am	Working Lunch: CPC New England Journal of Medicine Eric Rosenberg, MD <i>Lunch provided</i>
12:30pm	Pneumonia: A Practical Approach in 2018 Benjamin Davis, MD
1:15pm	Mycobacterial Infections: Case-Based Session Rocio Hurtado, MD, DTM&H
2:00pm	Update in Immunizations and Travel Medicine Edward Ryan, MD, DTM&H
2:45pm	Break (Refreshments provided)
3:00pm	Skin/Soft Tissue Infections for the Internist Sandra Bliss Nelson, MD
3:45pm	HIV/AIDS Update for the Internist Martin Hirsch, MD
4:30pm	ID Cases: Panel and Interactive Session Raj Gandhi, MD
5:15pm	Infections in the Immunocompromised Host Camille Kotton, MD
5:45pm	Biologics Primer: The Care of the Patient on Immunomodulators Hamed Khalili, MD, MPH
6:15pm	Sexually Transmitted Diseases in 2018 Donna Felsenstein, MD
7:00pm	Daily Program Ends

Thursday • June 14

6:30am	Continental Breakfast
7:00am	Q & A with the Professors ID Faculty
7:30am	Breast Cancer Screening and Prevention in 2018 Wendy Chen, MD, MPH
8:15am	Breast Cancer Management: What's New in the Field Irene Kuter, MD, DPhil
9:00am	Coagulation I David Kuter, MD, DPhil
9:45am	Break (Refreshments provided)
10:00am	Anemia: A Case-Based Approach David Sykes, MD, PhD
10:45am	Coagulation II David Kuter, MD, DPhil
11:30am	Obesity Treatment in 2018: What's New Lee Kaplan, MD, PhD
12:15pm	Break for lunch*
1:15pm	Inflammatory Bowel Disease: An Update Ashwin Ananthakrishnan, MBBS, MPH
2:00pm	Viral Hepatitis Update Jules Dienstag, MD
2:45pm	Non-Alcoholic Fatty Liver Disease: An Emerging Threat Kathleen Corey, MD, MPH
3:15pm	Colon Cancer Update for the Internist Daniel Chung, MD
3:45pm	Break (Refreshments provided)
4:00pm	IBS: A Practical Approach to Treating Constipation and Diarrhea Braden Kuo, MD
4:45pm	What's New in Eosinophilic GI Disorders and Celiac Disease John Garber, MD
5:15pm	Update in Upper GI Tract Diseases for the Internist Chin Hur, MD
6:00pm	The Human Microbiome and Gut Health: New Frontiers Ramnik Xavier, MD, PhD
6:30pm	How to Approach Abnormal Liver Function Tests Daniel Pratt, MD
7:00pm	Update in GI Malignancies in 2018 Janet Murphy, MD
7:30pm	Daily Program Ends

Friday • June 15

6:30am	Continental Breakfast
7:00am	Q & A with the Professors Oncology & GI Faculty
7:30am	Best Approaches in the Evaluation of Patients with CAD Adolph Hutter, MD
8:15am	Atrial Fibrillation and Ventricular Arrhythmias in 2018 Moussa Mansour, MD
9:00am	Medical Management of CAD: What's New Adolph Hutter, MD
9:45am	Break (Refreshments provided)
10:15am	Exercise for Health: What's New in 2018 Meagan Wasfy, MD
10:45am	Thoracic Aorta Disease Update Eric Isselbacher, MD
11:15am	Peripheral Arterial Disease: What You Need to Know Michael Jaff, DO
11:45am	Transition break
12:00pm	Working Lunch: Q & A Session with Cardiology Cardiology Faculty <i>Lunch provided</i>
12:45pm	Hyperlipidemia Update Mason Freeman, MD
1:30pm	Acute Coronary Syndrome in 2018 Marc Sabatine, MD, MPH
2:15pm	Update in Perioperative Evaluations for the Internist David Dudzinski, MD, JD
3:00pm	Valvular Heart Disease: What's New Doreen Defaria Yeh, MD
3:30pm	Break (Refreshments provided)
3:45pm	Update in Heart Failure Christopher Newton-Cheh, MD
4:30pm	Tobacco Dependence: Best Management Strategies Nancy Rigotti, MD
5:00pm	Heart Disease in Women: Update for Internists Malissa Wood, MD
5:30pm	Current State of Hypertension Guidelines Randall Zusman, MD
6:15pm	Palliative Care Update Bethany-Rose Daubman, MD
7:00pm	Daily Program Ends

Saturday • June 16

6:30am	Continental Breakfast
7:00am	The Dizzy Patient: A Clear-Headed Approach Martin Samuels, MD
8:00am	Immunotherapy in Oncology: 2018 Update Ryan Sullivan, MD
8:30am	Headaches & Stroke: Update for the Internist Aneesh Singhal, MD
9:15am	Break (Refreshments provided)
9:30am	Update on Depression and Anxiety Guy Maytal, MD
10:30am	Case Studies in Elderly Patients: Interactive Session Fadi Ramadan, MD
11:15am	Update in Addiction Medicine (panel) Michael Bierer, MD and Sarah Wakeman, MD
12:15pm	The Use of Opiates for Chronic Pain Management Gary Brenner, MD, PhD
1:00pm	Main Course Adjourns

Optional Add-On Workshop



Optimizing Clinician Well-Being and Combating Burnout

1:45pm	Helping Clinicians Thrive and Flourish: Defining the Possibilities for Growth and Improvement Kerri Palamara, MD
2:15pm	Evidence-Based Approaches in Combating Burnout and Fostering Well-Being Meridale Baggett, MD and Kerri Palamara, MD
3:15pm	Break (Refreshments provided)
3:30 pm	Connecting Passion with Purpose: Creating a Roadmap to Reach Your Full Potential in 2018 Suzanne Koven, MD and Kerri Palamara, MD



HARVARD MEDICAL SCHOOL

INTERNAL MEDICINE

COMPREHENSIVE REVIEW and UPDATE

June 11–16

2018

Cambridge, MA

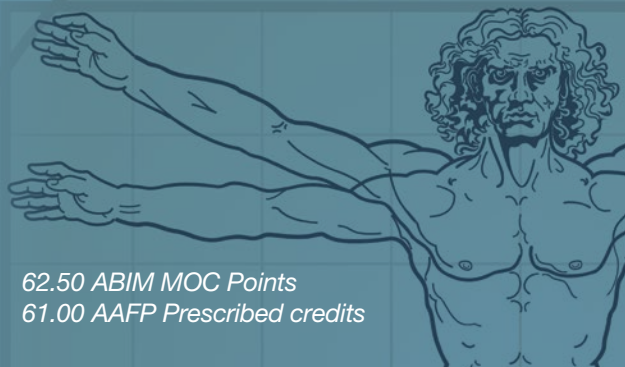
This course sold out last year, and is one of the highest-rated Harvard Medical School CME courses. Early registration strongly advised.

The 58th Annual Internal Medicine Update from the Clinical Faculty and Master Clinicians of Harvard Medical School and Massachusetts General Hospital

Earn up to

*62.50 AMA PRA Category 1 Credits™
3.25 Credits Risk Management Study*

*62.50 ABIM MOC Points
61.00 AAFP Prescribed credits*



Updates for PHYSICIANS, NPs, PAs

Cardiovascular Medicine
Hematology
Gastroenterology
Pulmonary Medicine
Critical Care
Nephrology
Rheumatology
Oncology
Infectious Diseases
Endocrinology
Allergy

Immunology
Neurology
Psychiatry
Women's Health
Lifestyle Medicine
Addiction Medicine
Obesity Medicine
Palliative Care
Geriatrics
Dermatology



MASSACHUSETTS
GENERAL HOSPITAL

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HARVARD MEDICAL SCHOOL

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Internal Medicine Comprehensive Review and Update 2018

(Course #732775-1802)

	Tuition
Physicians	\$1,795
Allied Health Professionals, Residents and Fellows	\$1,695
Optimizing Clinician Well-Being and Combating Burnout <i>Saturday, June 16, 1:45 pm – 5:00 pm</i> <i>Seating is limited. Early registration is advised.</i>	\$165

Your tuition includes continental breakfast each day; morning and afternoon refreshment breaks; boxed lunch on Wednesday and Friday; and complimentary internet in the meeting room. All course participants receive an electronic syllabus containing all of the course materials. You can purchase a printed copy of these materials at the time of online registration for \$75, or for \$100 on site at the course (while supplies last).

REGISTRATION, PAYMENT, CONFIRMATION, and REFUND POLICY

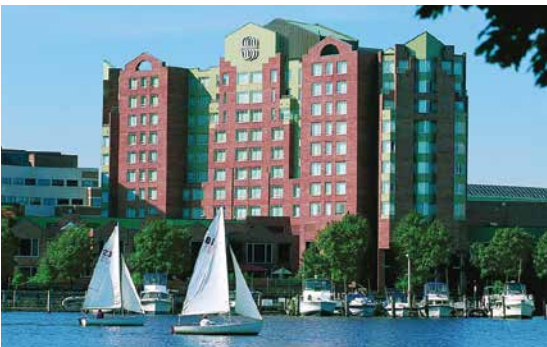
Registrations for Harvard Medical School CME programs are made via our secure online registration system. To register for this course, please visit the course website at InternalMedicine.HMSCME.com.

At the end of the registration process, a \$5 non-refundable processing fee will be added to your registration, and you will have the choice of paying by check or credit card (Visa, MasterCard, or American Express). If you are paying by check (draft on a United States bank), the online registration system will provide you with instructions and a printable form for remitting your course fees by check. Postal, telephone, fax, and cash-payment registrations are not accepted. All fees shown in USD.

Upon receipt of your paid registration, an email confirmation from the HMS GCE office will be sent to you. Be sure to include an email address that you check frequently. Your email address is used for critical information, including registration confirmation, evaluation, and certificate. Refunds, less an administrative fee of \$75, will be issued for all cancellations received two weeks prior to the start of the course. Refund requests must be received by email. No refund will be issued should cancellation occur less than two weeks prior. "No shows" are subject to the full course fee and no refunds will be issued once the conference has started.

VENUE

Royal Sonesta Boston
40 Edwin H. Land Boulevard
Cambridge, Massachusetts 02142
617-806-4200



ACCOMMODATIONS

A limited number of rooms* have been reserved at the Royal Sonesta Boston until May 18, 2018. When calling the hotel, be sure to specify that you are enrolled in this activity to request a reduced room rate. You can also make your discounted reservation online by visiting www.sonesta.com/boston before May 18 and using group code: 608HMSINT, or by visiting the course website and clicking on the dedicated link on the Venue page.

**Please note that the discounted rooms may sell out before the deadline.*

Please do not make non-refundable travel arrangements until you have received an email from our office confirming your paid registration.

INQUIRIES

Call 617-384-8600 Mon-Fri 9am – 5pm (ET) or e-mail CEPrograms@hms.harvard.edu