

# Cardiovascular Health and Disease: Occupational and Environmental Factors *and* Updates in Occupational and Environmental Medicine



**Holiday Inn Fisherman's Wharf**  
San Francisco, CA

**Wednesday**  
**March 11, 2015**

Evening Scientific Poster Session and  
Opening Reception

Thursday – Saturday

**March 12-14, 2015**

## COURSE CHAIRS

**Paul D. Blanc, MD, MSPH**  
Professor of Medicine,  
Endowed Chair and Division Chief,  
Occupational and Environmental Medicine  
University of California, San Francisco

**Robert Kosnik, MD, DIH**  
Professor of Medicine,  
Medical Director,  
UCSF Occupational Health Services,  
Division of Occupational and  
Environmental Medicine  
University of California, San Francisco

# Cardiovascular Health and Disease: Occupational and Environmental Factors *and* Updates in Occupational and Environmental Medicine

March 12-14, 2015

This course, presented by the Division of Occupational and Environmental Medicine in the Department of Medicine at the University of California, San Francisco, is designed to provide occupational and environmental health professionals and persons from other health-related disciplines with a review and update of current data in occupational and environmental medicine. The first day of the curriculum will focus on Cardiovascular Health and Disease. A poster session the evening before will supplement the cardiovascular course content. The second day and final half-day of the course will cover a multi-topic theme: Updates in Occupational and Environmental Health.

This course is approved for American Board of Preventive Medicine Maintenance of Certification credit and is a comprehensive update for occupational medicine specialists. California Qualified Medical Examiner credit approval is anticipated.

This course is also designed to meet the needs of primary care providers and others engaged in occupational health practice and research including physicians (family physicians, general practitioners, internists, emergency medicine specialists), nurse practitioners and other nursing professionals, as well as physician's assistants, industrial hygienists, and health researchers and policy makers.

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## OBJECTIVES

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

- Assess the role of cardiovascular health and disease in occupational and environmental health practice and modify patient communication or treatment options;
- Adopt new medical knowledge into preventive activities addressing emerging risk factors and new diseases entities;
- Evaluate scientific data in the field of occupational and environmental medicine, and incorporate into practice;
- Expand the differential diagnosis to incorporate a wider range of environmental and occupational factors in cardiovascular and other disease processes;
- Improve diagnostic methods and treatment for selected occupational and environmental conditions;
- Improve management of specific work-related scenarios within required regulations;
- Prioritize clinical care, research, and public health policy with state of the art updates.

## ACCREDITATION

The University of California, San Francisco School of Medicine (UCSF) is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

UCSF designates this live activity for a maximum of **19.25 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

This CME activity meets the requirements under California Assembly Bill 1195, continuing education and cultural and linguistic competency.

**Pain Management and End-of-Life Care:** The approved credits shown above include a maximum of **5.25** credits toward meeting the requirement under California Assembly Bill 487, Pain Management and End-of-Life Care.

**Geriatric Medicine:** The approved credits shown above include **5.00** credits toward meeting the requirement under California Assembly Bill 1820, Geriatric Medicine.

**American Board of Preventive Medicine:** The American Board of Preventive Medicine has approved this course for a maximum of **19.25** MOC Part II credits.

**California Division of Workers Compensation – Medical Unit (QME Credit):** The California Division of Workers Compensation – Medical Unit for Qualified Medical Evaluator credit has been filed and is awaiting approval for a maximum of **19.25** credits.

**Family Physicians:** Application for CME credit has been filed with the American Academy of Family Physicians. Determination of credit is pending.

**Nurses:** For the purpose of recertification, the American Nurses Credentialing Center accepts *AMA PRA category 1 Credit™* issued by organizations accredited by the ACCME.

**Physician Assistants:** AAPA accepts Category 1 credit from AOACCME, prescribed credit from AAFF, and *AMA PRA Category 1 Credit™* from organizations accredited by the ACCME.

# Cardiovascular Health and Disease: Occupational and Environmental Factors *and* Updates in Occupational and Environmental Medicine

WEDNESDAY, MARCH 11, 2015

6:00-7:30 pm Conference Opening Reception and Scientific Poster Session

## Cardiovascular Health and Disease: Occupational and Environmental Factors

THURSDAY, MARCH 12, 2015 • ONE DAY ONLY

7:30 am	<i>Registration and Continental Breakfast</i>	
8:00	<b>Welcome and Introduction</b>	Paul Blanc, MD, MSPH
8:10	<b>G Occupation and Heart Disease: Epidemiological Evidence and Biological Plausibility</b>	Mia Söderberg, MSc, PhD
9:00	<b>G Ambient Air Pollution and Cardiovascular Morbidity and Mortality</b>	Lars Barregård, MD, PhD
9:50	<i>Break</i>	
10:10	<b>Historical Concepts of Cardiovascular Disease in Military and Civilian Work</b>	Brian Dolan, PhD
11:00	<b>Work Organization and Stress as a Risk Factor for Cardiovascular Disease – Time for Intervention?</b>	Peter Schnall, MD, MPH
11:50	<i>Lunch on your Own</i>	
1:10	<b>G Work and Vocational Factors and Stroke: An Under-Appreciated Association?</b>	Kjell Torén, MD, PhD
2:00	<b>P Physical Factors and Peripheral Vascular Disease: Vascular and Neural Damage, Spasm, and Varicosity</b>	Bruce Bernard, MD, MPH
2:50	<b>G Occupational and Environmental Factors and Cardiovascular Disease, Including Hypertension: Noise and Vibration</b>	Oi Saeng Hong, RN, PhD
3:40	<i>Break</i>	
4:10	<b>P Cardiovascular Disease and Sudden Cardiac Death in Law Enforcement and Firefighting: from Epidemiology to Risk Stratification and Fitness for Duty</b>	Stefanos N. Kales, MD, MPH
5:00	<b>P Underlying Cardiovascular Disease and Physical Injury Risk</b>	Mark R. Cullen, MD
5:50	<b>PANEL DISCUSSION: Agenda for Closing Clinical and Research Gaps from Epidemiology to the Clinic</b>	
	<b>What Can We Learn from Toxins and the Heart?</b>	Lars Barregård, MD, PhD
	<b>From Bench to Bedside – A Cardiology Perspective</b>	Thomas Kearney, PharmD
		Nisha I. Parikh, MD
6:30 pm	<i>Adjourn</i>	

**G** – Geriatric Credit **P** – Pain Credit

### GENERAL INFORMATION

Pre-registration is preferred to ensure that registrants receive a syllabus.

**Date:** March 12-14, 2015

**Location:** Holiday Inn Fisherman's Wharf, 1300 Columbus Avenue, San Francisco, CA 94133 • (800) 942-7348

#### Fees:

**Full Course \$700 – Physicians**  
**\$600 – Allied Health Professionals**  
**\$500 – Residents/Fellows**

If you would like to register for only the Cardiovascular Health and Disease: Occupational and Environmental Factors or Updates in Occupational Health and Environmental Medicine, see information on individual sections below:

**Cardiovascular Health and Disease:  
Occupational and Environmental Factors (March 12)**

**8.25 AMA PRA Category 1 Credits™**

**\$325** – Physicians  
**\$275** – Allied Health Professionals  
**\$225** – Residents/Fellows

### Updates in Occupational Medicine Section Only (Two Days – March 13-14)

**11.25 PRA Category 1 Credits™**

**\$400** – Physicians  
**\$350** – Allied Health Professionals  
**\$300** – Residents/Fellows

### REGISTER VIA

**Online:** [www.cme.ucsf.edu](http://www.cme.ucsf.edu)

**Mail:** Complete course registration form and send with payment to:

UCSF Office of Continuing Medical Education  
P.O. Box 45368, San Francisco, CA 94145-0368

**Fax:** Fax completed registration form to: (415) 502-1795 (be sure to include your credit card number)

**Phone:** To register by phone or to inquire about registration status, please call UCSF's CME Registration Office at (415) 476-5808.

**Refund Policy:** Cancellations received in writing before the first day of the course will be refunded, less a \$75 administrative fee. No refunds will be made on cancellations received after that date.

March 12-14, 2015

**Updates in Occupational and Environmental Medicine**

**FRIDAY, MARCH 13, 2015 • DAY ONE**

7:15 am	<i>Registration and Continental Breakfast</i>	
7:45	<b>Welcome and Introduction</b>	Robert Kosnik, MD
8:00	<b>Sleep Apnea and Work – A Two-Way Street</b>	David Claman, MD
8:50 P	<b>The Hazards of Sport as an Occupation: Traumatic Brain Injury and its Sequelae</b>	Charles Filanosky, PhD, ABPP
9:40	<i>Break</i>	
10:15	<b>G Disability and the Aging Worker</b>	Edward Yelin, PhD
11:05	<b>Work-related Anaphylaxis</b>	Katherine Gundling, MD
11:55	<i>Lunch on your Own</i>	
1:30 pm	<b>P The Lot of Migrant Agricultural Workers</b>	Seth Holmes, MD, PhD
2:20	<b>Pneumoconiosis in the 21st Century: New Lessons from an Old Exposure</b>	Robert Cohen, MD
3:10	<i>Break</i>	
3:30	<b>G Cognitive Performance in Aerospace and Beyond: Lessons for Us on the Ground</b>	Immanuel Barshi, PhD
4:20	<b>E-cigarettes – What Practitioners Should Know</b>	Neal L. Benowitz, MD
5:10 pm	<i>Adjourn</i>	

**SATURDAY, MARCH 14, 2015 • DAY TWO**

7:30 am	<i>Registration and Continental Breakfast</i>	
8:00	<b>Introduction</b>	Paul Blanc, MD, MSPH
8:10	<b>P Skin in the Game – The New and the Classic in Occupational Dermatology</b>	Howard Maibach, MD
9: 10	<b>Mining Health where the Natural Resources are Extracted: The Perspective from Central Asia</b>	Denis Vinnikov, MD, PhD
10:10	<i>Break</i>	
10:45	<b>Industrial Enzymes in the Workplace</b>	Jordan Rinker, MD, MPH
11:45	<b>My Boss is Manic! Bipolar Disorder in the Workplace</b>	Sheri Johnson, PhD
12:45 pm	<i>Adjourn</i>	

**G** – Geriatric Credit **P** – Pain Credit

program

**CONFERENCE LOCATION**

Enjoy San Francisco’s renowned attractions such as the historic cable cars, shopping in Union Square, or visit San Francisco’s culinary hub at the Ferry Building. The course will take place at the Holiday Inn Fisherman’s Wharf, just steps from San Francisco Fisherman’s Wharf and a short walk to Pier 39 attractions. A block of guestrooms has been reserved at the special UCSF conference rate of **\$159/night**. You are urged to make your reservations early. The cut-off date is **February 13, 2015**, or until the group room block is filled. After this date, rooms will be provided on a space-available basis only. To make hotel reservations please call 1(800) 942-7348 and identify yourself as a member of this UCSF conference to receive the special rate. You can

also reserve your hotel rooms on-line by visiting the course webpage on our website at [www.cme.ucsf.edu](http://www.cme.ucsf.edu). Please click on the reservations link in the Travel & Lodging section (online booking code: OEM). **By staying at the host hotel, you help UCSF meet its contractual obligations and keep registration fees reasonable.**

**AIR TRANSPORTATION**

UCSF has negotiated special fares with United Airlines for our course attendees. You may use the following tour code to book on your own:  
 United – [www.united.com](http://www.united.com) code: ZT8X431751

general info



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University of California, San Francisco | Office of CME | UCSF Box 0742  
San Francisco, CA 94143-0742

For more information or to register online visit our website at [www.cme.ucsf.edu](http://www.cme.ucsf.edu).

You may also call the Office of of Continuing Medical Education (415) 476-4251 or email [info@ocme.ucsf.edu](mailto:info@ocme.ucsf.edu)

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University of California, San Francisco

**Robert Kosnik, MD, DIH**

Professor of Medicine  
Medical Director  
UCSF Occupational Health Services, Division of Occupational and Environmental Medicine  
University of California, San Francisco

#### COURSE FACULTY

**Lars Barregård, MD, PhD**

Professor of Medicine  
Department of Public Health and Community Medicine  
Sahlgrenska Academy at University of Gothenburg  
Gothenburg, Sweden

**Immanuel Barshi, PhD**

Research Psychologist  
Human Systems Integration Division  
NASA Ames Research Center  
Moffett Field, CA

**Neal L. Benowitz, MD**

Chief, Division of Clinical Pharmacology  
Professor of Medicine and of Bioengineering & Therapeutic Sciences  
University of California, San Francisco

**Bruce Bernard, MD, MPH**

Captain, U.S. Public Health Service;  
Chief Medical Officer, Health Hazard Evaluations and Technical Assistance Centers for Disease Control and Prevention  
National Institute for Occupational Safety and Health  
Cincinnati, OH

**David Claman, MD**

Director, UCSF Sleep Disorders Center  
Professor of Medicine  
University of California, San Francisco

**Robert Cohen, MD**

Professor, Northwestern University, Feinberg School of Medicine  
Professor, University of Illinois School of Public Health, Chicago, IL

**Mark R. Cullen, MD**

Professor and Chief, Division of General Medical Disciplines  
Stanford University School of Medicine  
Stanford, CA

**Brian Dolan, PhD**

Professor of Anthropology, History, and Social Medicine  
University of California, San Francisco

**Charles Filanosky, PhD, ABPP**

Assistant Professor of Psychiatry  
San Francisco Veterans Administration Medical Center

**Katherine Gundling, MD**

Professor, Allergy and Immunology Clinic  
University of California, San Francisco

**Seth M. Holmes, MD, PhD**

Director, Berkeley Center for Social Medicine; Assistant Professor of Public Health and Medical Anthropology  
University of California, Berkeley, School of Public Health

**Oi Saeng Hong, PhD, RN**

Director, Occupational and Environmental Health Nursing Graduate Program  
Professor, School of Nursing  
University of California, San Francisco

**Sheri Johnson, PhD**

Professor of Psychology  
University of California, Berkeley

**Stefanos N. Kales, MD, MPH**

Division Chief, Occupational and Environmental Medicine Clinic, Cambridge Health Alliance  
Associate Professor  
Harvard Medical School & Harvard School of Public Health  
Boston, MA

**Thomas Kearney, PharmD**

Professor of Clinical Pharmacy  
Associate Dean, School of Pharmacy  
University of California, San Francisco  
Managing Director, San Francisco Division, California Poison Control System

**Howard Maibach, MD**

Professor of Dermatology  
University of California, San Francisco

**Nisha I. Parikh, MD MPH**

Assistant Professor of Cardiology  
University of California, San Francisco

**Jordan Rinker, MD MPH**

Occupational & Environmental Medicine Consultant  
Professor, Division of Occupational & Environmental Medicine  
University of California, San Francisco

**Peter Schnall, MD, MPH**

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**Mia Söderberg, MSc PhD**

Occupational Psychologist  
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**Kjell Torén, MD, PhD**

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**Edward Yelin, PhD**

Professor of Medicine  
Institute for Health Policy Studies  
University of California, San Francisco

**COURSE REGISTRATION FORM**

**Cardiovascular Health and Disease: Occupational and Environmental Factors and Updates in Occupational and Environmental Medicine**

March 12-14, 2015  
 Holiday Inn Fisherman's Wharf

Mail to : UCSF Office of CME  
 P.O. Box 45368  
 San Francisco, CA 94145-0368  
 Fax: (415) 502-1795

**Online registration: www.cme.ucsf.edu**  
 Registration Information: (415) 476-5808  
 Course Information: (415) 476-4251

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Would you like to be on our priority email list?     Yes     No

Date of birth to be used as OCME registrant number: \_\_\_\_ / \_\_\_\_ / X X  
 Month                      Day

Please indicate if you have any special needs: \_\_\_\_\_

**Registration Fees**

**\$700** Physicians     **\$600** Allied Health Professionals     **\$500** Residents/Fellows

**Individual Sections:**

**Occupational and Environmental Factors in Infectious Disease Cardiovascular Health and Disease: Occupational and Environmental Factors **Only** (March 12, 2015)**  
**8.25 AMA PRA Category 1 Credits™**

**Occupational and Environmental Medicine Update **Only** (March 13-14, 2015)**  
**11.00 AMA PRA Category 1 Credits™**

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 **\$225** Residents/Fellows

**\$400** Physicians  
 **\$350** Allied Health Professionals  
 **\$300** Residents/Fellows

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