

# Occupational and Environmental Factors in Infectious Disease *and* Updates in Occupational Health

HOLIDAY INN FISHERMAN'S WHARF • SAN FRANCISCO, CA

THURSDAY - SATURDAY  
March 6-8, 2014

Pre-Course Animal Facility Site Visit  
March 5, 2014

## 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

**ABPM (Occupational) MOC Pending**  
**California QME Credits Approved**

Occupational and  
Environmental Factors  
in Infectious Disease  
sessions are endorsed  
by the Collegium  
Ramazzini



This course is being held  
in cooperation with the  
Northern California Center  
for Occupational and  
Environmental Health



For Occupational and Environmental Factors in  
Infectious Disease, the curriculum includes travel  
medicine, zoonoses, emerging pathogens, sexually  
transmitted disease, and TB.

For Occupational and Environmental Medicine  
Update, the curriculum includes ergonomic factors,  
wilderness medicine, high altitude exposures,  
military medicine, and toxicology.

# Occupational and Environmental Factors in Infectious Disease and Updates in Occupational Health

March 6-8, 2014

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 Occupational and Environmental Factors in Infectious Disease. The second day and last half day will cover a multi-topic theme: Updates in Occupational and Environmental Health.

This course is approved for American Board of Preventative Medicine Maintenance of Certification credit and is a comprehensive update for occupational medicine specialists. In addition, 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.

## OBJECTIVES

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

- Assess the importance of infectious disease processes in occupational and environmental health;
- Compare medical knowledge derived from research findings, particularly from toxicological and epidemiologic investigations;
- Integrate increased knowledge relevant to the evaluation of scientific data in the field of occupational and environmental medicine;
- Compare diagnostic methods and treatment options for selected occupational and environmental conditions;
- Employ regulatory management of specific work-related scenarios.

## 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 **21 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The full course is **19 credits**.

The Pre-Course is **2 credits**.

The American Medical Association has determined that physicians not licensed in the US who participate in this CME activity are eligible for **AMA PRA category 1 credit**.

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 **4.50** 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 **5.25** credits toward meeting the requirement under California Assembly Bill 1820, Geriatric Medicine for internists and family practice physicians licensed in California to complete 20% of their ongoing mandatory continuing medical education if their practice is comprised of a patient population of which 25% is aged 65 years or older.

**American Board of Preventive Medicine:** The American Board of Preventive Medicine for Maintenance of Certification (MOC) has been filed and is awaiting approval for a maximum of **19.00 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 approved this course for a maximum of **19.00 credits**.

**Family Physicians:** The American Academy of Family Physicians has approved this course for a maximum of **19.00 credits**.

**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 AOACME, prescribed credit from AAFP, and **AMA PRA Category 1 Credit™** from organizations accredited by the ACCME.

# Occupational and Environmental Factors in Infectious Disease *and* Updates in Occupational Health

March 6-8, 2014

## WEDNESDAY, MARCH 5, 2014

1:00 pm *Pre-course registration*  
1:15pm *Depart for optional visit to the UCSF Animal Care to highlight zoonotic risk mitigation. (Additional fee of \$50 required – enrollment limited to 20 people. Approximately 3 hours duration.)*

## OCCUPATIONAL AND ENVIRONMENTAL FACTORS IN INFECTIOUS DISEASE

### THURSDAY, MARCH 6, 2014 · ONE DAY ONLY

7:30 am *Registration and Continental Breakfast*

8:00 **Welcome and Introduction** Paul Blanc, MD, MSPH

8:10 **G Travel Medicine and Occupationally-Acquired Infectious Disease, Including a Prophylaxis and Vaccination Update** Brian Schwartz, MD

9:00 **The Historical Context of Occupation and Infection: How the Past Can Inform the Present** Rebecca Kaplan, PhD

9:50 *Break*

10:10 **Sexually-Transmitted Disease as an Occupational and Vocational Problem** Bruce Bernard, MD, MPH

11:00 **Zoonotic Infections in the Age of Industrialized Agriculture and International Jet Travel** Susana von Essen, MD, MPH

11:50 *Lunch on your Own*

1:10 pm **Global Warming: Environmental Implications for Infectious Disease** Peter Chin-Hong, MD

2:00 **G Pneumonia and Pneumonitis Linked to Workplace Factors: Infectious Disease vs. Inhalation Fever and other Syndromes that Can Mimic Infectious Disease** Dennis Shusterman, MD, MPH

2:50 **G Occupational Factors in Coronavirus, Hantavirus, Avian Influenza, Coccidioidomycosis, and other Emerging Pathogens** Jason Wilken, MD

3:40 *Break*

4:10 **Mycobacteria in Work-Related and Environmental Illness – Stone Cutters to Health Care Workers to Hot Tub Enthusiasts** Julie Higashi, MD, PhD

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5:00 **G Panel Discussion: Managing Infectious Disease in Occupational and Environmental Medicine from Medical Surveillance to Outbreak Control**

**Panelists:** Medical Surveillance and Regulation: Deborah Gold, MPH, CIH  
Ambient Recreational Water Quality: Sharon Nappier, PhD, MSPH  
Outbreak Management: Robert Kosnik, MD, DIH

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6:00 pm *Adjourn*

## OCCUPATIONAL AND ENVIRONMENTAL MEDICINE UPDATE

### FRIDAY, MARCH 7, 2014 · DAY ONE

7:15 am *Registration and Continental Breakfast*

7:45 **Welcome and Introduction** Paul Blanc, MD, MSPH

8:00 **P Ergonomics in a Rapidly Changing Work Environment** Meg Honan, MS, PT, CPE

8:50 **PG Metal Toxicity: Novel Routes of Exposure and Classic Disease Manifestations – Lead, Mercury, and Cobalt** Timur S. Durrani, MD, MPH, MBA

9:40 *Break*

10:15 **G Military Service-Related Injury and Illness: Veterans' Health and Occupational Medicine** Dean Winslow, MD

11:05 **High Altitude Exposure – an Avocational and an Occupational Risk Factor** Stephen Ruoss, MD

11:55 *Lunch on your Own*

1:10 pm **Stress and Communication in the Workplace – the State-of-the-Art** Justin P. Boren, PhD

2:00 **Respiratory Pathology in Occupational Lung Disease: Classic Findings and Newer Insights** Kirk Jones, MD

2:50 *Break*

3:30 **PG Occupational Factors in Peripheral Vascular Disease** Linda Morse, MD, FACP, FACP

4:20 **P Complementary Approaches to Pain Management in the Occupational Context** Wolf Mehling, MD

5:30 pm *Adjourn*

program

## OCCUPATIONAL AND ENVIRONMENTAL MEDICINE UPDATE

### SATURDAY, MARCH 8, 2014 · DAY TWO

7:30 am	<i>Registration and Continental Breakfast</i>	
8:00	<b>Long Established and More Recently Recognized Occupational and Environmental Causes of Human Malignancy of the Thorax</b>	Rafael E. de la Hoz, MD, MPH, MSc
8:50 PG	<b>Podiatric Lessons for Walking at Work</b>	Maureen Lee, DPM
9:40	<i>Break</i>	
10:00 P	<b>Update on Management of Upper Extremity Disorders</b>	David Rempel, MD, MPH
10:50	<b>The Expanding Agenda for Workplace Wellness</b>	Robert Eric Dinenberg, MD, MPH
11:40	<b>Wilderness Medicine: Avocational Health Relevant to Occupational Illness and Injury</b>	Michael Vortmann, MD
12:30	<b>Panel Discussion: What's New Now in Occupational and Environmental Medicine and What is on the Horizon?</b>	
	<b>Panelists:</b> Research Perspective: Paul Blanc, MD, MSPH Governmental Perspective: Bruce Bernard, MD, MPH Private Sector Perspective: Eric Dinenberg, MD, MPH	
1:15 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 6-8, 2014

**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/Residents/Fellows

If you would like to register for only the Infectious Disease or Updates in Occupational Medicine, see information on individual sections below:

**Occupational and Environmental Factors in Infectious Disease Section Only (March 6)**

**7.75 AMA PRA Category 1 Credits™**

\$325 – Physicians

\$275 – Allied Health Professionals

\$250 – Residents/Fellows

**Updates in Occupational Medicine Section Only (Two Days – March 7-8)**

**11.25 AMA PRA Category 1 Credits™**

\$400 – Physicians

\$350 – Allied Health Professionals/Residents/Fellows

**Optional Pre-Course Visit (March 5)**

**Afternoon UCSF Animal Facility Visit**

**2.0 AMA PRA Category 1 Credits™**

\*\$50 per person

\*Pre-registration BY PHONE is required for the pre-course visit to the UCSF Laboratory Animal Research Care Facility on March 5, 1-4pm. Call (415) 476-5808 to register. Space is limited to 20 people and there is an additional charge of \$50 per person.

**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

**CONFERENCE LOCATION**

The course will take place at the Holiday Inn Fisherman's Wharf. 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 Holiday Inn Fisherman's Wharf is just steps from San Francisco Fisherman's Wharf and Pier 39 attractions.

A block of guestrooms has been reserved at the special UCSF conference rate of **\$139/night**. You are urged to make your reservations early. The cut-off date is **February 12, 2014**, 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 (1800) 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.**

**RENTAL CAR**

Hertz is offering special rates for participants of this conference; simply call (800) 654-2240 and refer to convention number # 03BW0133, or call your travel agent. You may also make reservations at [www.hertz.com](http://www.hertz.com). Advance reservations are recommended.

**AIR TRANSPORTATION**

UCSF has negotiated special fares with American and United Airlines for our course attendees. You may use the following tour codes to book on your own:

American (800) 433-1790 code: A8234AN

United – [www.united.com](http://www.united.com) code: ZQPF200511

## COURSE REGISTRATION FORM

MDM14N01

Occupational and Environmental Factors in Infectious  
Disease and Updates in Occupational Health

March 6-8, 2014

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](http://www.cme.ucsf.edu)  
Registration Information: (415) 476-5808  
Course Information: (415) 476-4251

Dr.  Mr.  Mrs.  Ms.

Last Name \_\_\_\_\_ First \_\_\_\_\_ M.I. \_\_\_\_\_

Degree \_\_\_\_\_ Specialty \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Daytime Phone \_\_\_\_\_ Fax \_\_\_\_\_

Email \_\_\_\_\_

**Address Label Code Letter (see address label: example, A, B, C, D, etc.)** \_\_\_\_\_

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** (Receipt/Confirmation will be mailed within two to four weeks):

\$700 Physicians  
 \$600 Allied Health Professionals/Nurses/Residents/Interns

**Individual Sections:**

**Occupational and Environmental Factors  
in Infectious Disease Only (March 6, 2014)**

**7.75 AMA PRA Category 1 Credits™**

\$325 – Physicians  
 \$275 – Allied Health Professionals  
 \$250 – Residents/Fellows

**Occupational and Environmental Medicine  
Update Only (March 7-8, 2014)**

**11.25 AMA PRA Category 1 Credits™**

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

**Optional Pre-Course Workshop (March 5) limited to 20**

**2.00 AMA PRA Category 1 Credits™**

Pre-registration is required. You may register by phone only. Call (415) 476-5808.

Space limited to 20 people and there is an additional charge of **\$50** per person.

Make checks payable to **UC Regents**

Please charge my credit card:  Visa  MasterCard  AmEx for \$ \_\_\_\_\_

| / | / |

Card # \_\_\_\_\_

Expiration date \_\_\_\_\_

Name on Card (Please Print) \_\_\_\_\_

Authorized Signature \_\_\_\_\_

**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.

Please check our website for up-to-date  
information on the course:

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

**Holiday Inn Fisherman's Wharf**

1300 Columbus Ave.

San Francisco, CA 94133

(800) 942-7348 toll-free

(415) 771-7006 phone

[www.hifishermanswharf.com](http://www.hifishermanswharf.com)





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San Francisco, CA  
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visit our website at  
[www.cme.ucsf.edu](http://www.cme.ucsf.edu).  
You may also reach  
us by calling the  
Office of CME at  
(415) 476-4251 or  
email  
[info@ocme.ucsf.edu](mailto:info@ocme.ucsf.edu).

#### 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

#### COURSE FACULTY

##### **Bruce Bernard, MD, MPH**

Captain, U.S. Public Health Service; Chief Medical Officer, Health Hazard Evaluations and Technical Assistance, National Institute for Occupational Safety and Health

##### **Justin P. Boren, PhD**

Assistant Professor  
Department of Communication  
Santa Clara University,  
Santa Clara, CA

##### **Peter V. Chin-Hong, MD**

Professor of Medicine;  
Director, Pathways to Discovery  
Program in Clinical and Translational Research; Director, Transplant and Immunocompromised Host Infectious Disease Program

##### **Rafael E. de la Hoz, MD, MPH, MSc**

Associate Professor  
Icahn School of Medicine at Mount Sinai, New York, NY

##### **Robert Eric Dinenberg, MD, MPH**

Chief Medical Officer, Viridian Health Management  
Executive Director, Viridian Institute for Applied Health Improvement  
Phoenix, AZ

##### **Timur S. Durrani, MD, MPH, MBA**

Assistant Medical Director, San Francisco Division  
California Poison Control System and Clinical Instructor of Medicine

##### **Deborah Gold, MPH, CIH**

Deputy Chief, Health and Engineering Services, Division of Occupational Safety and Health  
Department of Industrial Relations  
State of California

##### **Julie Higashi, MD, PhD**

TB Controller, Disease Control and Prevention, Population Health Division  
San Francisco Department of Public Health

##### **Meg Honan, RPT, MS, CPE**

Principal Ergonomist  
Environmental, Health and Safety Group, Genentech, Inc., San Francisco, CA

##### **Kirk Jones, MD**

Professor of Pathology  
School of Medicine  
University of California, San Francisco

##### **Rebecca Kaplan, PhD**

Visiting Lecturer  
University of California, Berkeley

##### **Maureen Lee, DPM**

Podiatrist, Private Practice, San Francisco; Team Podiatrist, UC Berkeley; Diplomate, American Board of Podiatric Medicine

##### **Wolf Mehling, MD**

Associate Professor, Osher Center for Integrative Medicine  
University of California, San Francisco

##### **Linda Morse, MD, FACOEM**

Clinical Proctor, Kaiser SF  
Occupational Medicine; Medical Staff, Premier Comp Medical Group

##### **Sharon Nappier, PhD, MSPH**

Microbiologist, Office of Water; Office of Science and Technology, Health and Ecological Criteria Division, Human Health Risk Assessment Branch, US Environmental Protection Agency, Washington, DC

##### **David Rempel, MD, MPH**

Professor of Medicine (UCSF)  
Professor in Bioengineering (UCB)  
School of Medicine  
Division of Occupational and Environmental Medicine  
University of California

##### **Stephen Ruoss, MD**

Professor of Pulmonary Medicine  
Stanford University, Stanford, CA

##### **Brian S. Schwartz, MD**

Assistant Professor of Medicine  
Division of Infectious Diseases

##### **Dennis Shusterman, MD, MPH\***

Occupational Health Branch, California Department of Public Health

##### **Susana von Essen, MD, MPH**

Professor of Medicine  
University of Nebraska College of Medicine, Omaha, NE

##### **Michael Vortmann, MD**

Assistant Professor  
Department of Emergency Medicine  
Weill Cornell Medical College  
New York, NY

##### **Jason Wilken, PhD**

CDC Epidemic Intelligence Service, Assigned to California Department of Public Health

##### **Dean L. Winslow, MD**

Clinical Professor of Medicine and Pediatrics, Division of Infectious Diseases and Geographic Medicine  
Stanford University School of Medicine, Stanford CA

\* Also clinical medicine faculty member, Occupational and Environmental Medicine, UCSF

faculty