

# Toxic Substances in the Workplace and the Environment *and* Updates in Occupational and Environmental Medicine

HOLIDAY INN FISHERMAN'S WHARF • SAN FRANCISCO, CA

THURSDAY – SATURDAY  
March 10-12, 2016



## ADDED EVENT WEDNESDAY, MARCH 9

Evening Scientific Poster Session and Opening Reception – Call for Abstracts to Follow

### 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

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

Assistant Medical Director, San Francisco Division, California  
Poison Control System; Assistant Clinical Professor of Medicine  
University of California, San Francisco

# Toxic Substances in the Workplace and the Environment *and* Updates in Occupational and Environmental Medicine

MARCH 10-12, 2016

This course is presented by the Division of Occupational and Environmental Medicine in the Department of Medicine at the University of California, San Francisco. It is designed to provide occupational and environmental health professionals and persons from other health-related disciplines with a review and update of current topics in occupational and environmental medicine. The first day of the curriculum will focus on toxic substances in the workplace and the environment. A poster session the evening before will supplement the Toxic Substances 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, and industrial hygienists.

## OBJECTIVES

An attendee completing this course will be able to:

- Improve their understanding of the role of toxic substances in occupational and environmental health practice;
- 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;
- Expand the differential diagnosis to incorporate a wider range of environmental and occupational factors and chemical toxicity in disease processes;
- Increase diagnostic methods and treatment options for selected occupational and environmental conditions;
- Improve their management in terms of required regulatory management of specific work-related scenarios;
- Inform the prioritization of 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 **18.00 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 **4.75** 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 **3.00** 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 **18.00** 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 been filed and is awaiting approval for a maximum of **18.00** 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 AAFP, and *AMA PRA Category 1 Credit™* from organizations accredited by the ACCME.

# Toxic Substances in the Workplace and Updates in Occupational and Environmental Medicine

## WEDNESDAY, MARCH 9, 2016

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

## THURSDAY, MARCH 10, 2016

### TOXIC SUBSTANCES IN THE WORKPLACE AND THE ENVIRONMENT

7:45 am	<b>Introductions</b>	Course Leaders
8:00	<b>PG Heavy Metal Toxicity: Going Beyond Lead, Mercury, and Arsenic</b>	Craig Steinmaus, MD, MPH
8:50	<b>Lessons Learned from the Poison Control Center</b>	Hallam Gugelmann, MD
9:40	<i>Coffee Break</i>	
10:10	<b>Carcinogens – What Should You Know While Waiting for IARC</b>	Michael Fischman, MD, MPH
11:00	<b>Chemicals in the Indoor Environment – New Threats on the Horizon</b>	Veena Singla, PhD
11:50	<i>Lunch</i>	
1:10 pm	<b>Scenarios for <i>De Novo</i> Creation of Toxic Substances</b>	Dennis Shusterman, MD, MPH
2:00	<b>A Systematic Approach to Solvent Toxicity</b>	Raj Puri, MD, MPH
2:50	<b>PG Liver Toxicants: Synthetic and Naturally Occurring, Classic and Emerging</b>	Timur Durrani, MD, MPH, MBA
3:40	<i>Coffee Break</i>	
4:10	<b>PG Chemical Toxicity to the Special Senses: Vision, Hearing, Taste, and Smell</b>	Jonathan S. Rutchik, MD, MPH
5:00	<b>New Fumigants, Herbicides, Insecticides, and Other Agricultural Chemicals</b>	Anne Arens, MD
5:50	<b>CLOSING PANEL: Toxicants in Perspective</b> Timur Durrani, MD, MPH • Veena Singla, PhD • Anne Arens, MD • Michael Fischman, MD, MPH • Denis Shusterman, MD, MPH	
6:20 pm	<i>Adjourn</i>	

## FRIDAY, MARCH 11, 2016 • DAY ONE

### UPDATES IN OCCUPATIONAL AND ENVIRONMENTAL MEDICINE

7:30 am	<i>Registration and Continental Breakfast</i>	
8:00	<b>Introductions</b>	Course Leaders
8:10	<b>Common Laboratory Hazards</b>	Richard Wittman, MD, MPH
9:00	<b>G Occupational Renal Disease</b>	Christina Wyatt, MD
9:50	<i>Coffee Break</i>	
10:20	<b>Pediatric Environmental Illness – The Canary in the Coal Mine</b>	Mark Miller, MD
11:30	<b>Reproductive Health and Occupational/Environmental Exposures</b>	Marya G. Zlatnik, MD, MMS
12:20 pm	<i>Lunch</i>	
1:30	<b>Afternoon Keynote: Ebola as a Paradigm of Health Care Worker Risk</b>	Bruce Bernard, MD, MPH
2:30	<b>Hypersensitivity Pneumonitis: Pigeons, Mold, and Odd Jobs</b>	Kenneth Anderson, MD, FRCP
3:20	<i>Coffee Break</i>	
3:50	<b>P Post-Traumatic Stress Disorder in the Occupational Context, Including Military Service</b>	John R. McQuaid, PhD
4:40	<b>P Hazardous Jobs in Developing Economies</b>	Garrett Brown, CIH
5:20 pm	<i>Adjourn</i>	

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

## SATURDAY, MARCH 12, 2016 • DAY TWO

### UPDATES IN OCCUPATIONAL AND ENVIRONMENTAL MEDICINE

7:50 am	<i>Registration and Continental Breakfast</i>	
8:10	<b>Introductions</b>	Course Leaders
8:20	<b>Occupational Rhinitis</b>	Andrea Siracusa, MD
9:10	<b>PG Diabetes in the Workplace</b>	Robert Kosnik, MD, DIH
10:00	<i>Coffee Break</i>	
10:30	<b>P Diving: An Old Hazard that is Still Here</b>	Patrick R. Laraby, MD, MPH, MS MBA, CAPT MC USN
11:20	<b>P Violence in the Workplace in the 21st Century</b>	Robert Harrison, MD, MPH
12:10 pm	<b>CLOSING PANEL:</b> <b>What's Really New in Occupational and Environmental Health?</b> Robert Harrison, MD, MPH • Bruce Bernard, MD, MPH • Paul Blanc, MD, MPH • Barbara J. Buregel, RN, PhD, FAAN, FAAOHN	
12:40 pm	<i>Course Adjourns – Evaluations</i>	

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

program

#### GENERAL INFORMATION

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

**Date:** March 10-12, 2016

(March 9, 2016 Poster Session)

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

#### Fees:

**Full Course \$725** – Physicians

**\$625** – Allied Health Professionals

**\$525** – Residents/Fellows

Current graduate trainees should inquire regarding special registration options.

If you would like to register for only the **Toxic Substances in the Workplace** or **Updates in Occupational Health and Environmental Medicine**, see information on individual sections below:

#### Toxic Substances in the Workplace and The Environment (March 10)

8.00 AMA PRA Category 1 Credits™

**\$325** – Physicians

**\$275** – Allied Health Professionals

**\$225** – Residents/Fellows

#### Updates in Occupational Medicine

Section Only (Two Days – March 11-12)

10.00 AMA PRA Category 1 Credits™

**\$425** – Physicians

**\$375** – Allied Health Professionals

**\$325** – 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

#### 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, 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 **\$185/night**. You are urged to make your reservations early.

The cut-off date is **February 17, 2016**, 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 can find information regarding our group code on our course website on [www.cme.ucsf.edu](http://www.cme.ucsf.edu).



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For more information  
or to register online  
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, UCSF

### Robert Kosnik, MD, DIH

Professor of Medicine,  
Medical Director, Occupational Health  
Services, Division of Occupational  
and Environmental Medicine  
UCSF

### Timur Durrani, MD, MPH, MBA

Assistant Medical Director, San  
Francisco Division, California Poison  
Control System; Assistant Clinical  
Professor of Medicine

## COURSE FACULTY

### Kenneth Anderson, MD, FRCP

Consultant Physician,  
Department of Respiratory Medicine  
University Hospital Crosshouse  
Kilmarnock, Scotland

### Anne Arens, MD

San Francisco Division,  
California Poison Control System

### Bruce Bernard, MD, MPH

Captain, USPHS; Chief Medical Officer  
Health Hazard Evaluations and  
Technical Assistance NIOSH, CDC

### Garrett Brown, CIH

Coordinator, Maquiladora  
Health & Safety Support Network  
Berkeley, CA

## COURSE FACULTY (CONT'D)

### Barbara J. Burgel, RN, PhD, FAAN, FAAOHN

Professor of Clinical Nursing and  
Adult Nurse Practitioner, UCSF

### Michael Fischman, MD MPH

Medical Director, Intel Corporation;  
Clinical Professor of Medicine, UCSF

### Hallam Gugelmann, MD

San Francisco Division,  
California Poison Control System

### Robert Harrison, MD, MPH

Clinical Professor of Medicine, UCSF;  
Public Health Medical Officer,  
California Department of Public Health

### Patrick R. Laraby, MD, MPH, MS, MBA, CAPT MC USN

Service Chief, Occupational Health,  
Walter Reed National Military Medical  
Center, Bethesda, MD

### John R. McQuaid, PhD

Professor of Clinical Psychology,  
UCSF; Associate Chief of Mental  
Health for Clinical Administration  
San Francisco VA Medical Center

### Mark Miller, MD

Assistant Clinical Professor, UCSF;  
Director, Pediatric Environmental  
Health Specialty Unit Air Toxicology  
and Epidemiology Section, Office of  
Environmental Health Hazard  
Assessment, Cal/EPA

### Raj Puri, MD, MPH

Resident, Occupational Medicine  
Residency Program, UCSF

## COURSE FACULTY (CONT'D)

### Jonathan S. Rutchik, MD, MPH

Neurology and Occupational /  
Environmental Medicine Associate  
Clinical Professor, Occupational  
Medicine, UCSF

### Dennis Shusterman, MD MPH

Professor Emeritus of Clinical Medicine,  
UCSF; Public Health Medical Officer,  
California Department of  
Public Health (Retired)

### Veena Singla, PhD

Staff Scientist,  
Natural Resources Defense Council  
San Francisco, CA

### Andrea Siracusa MD

Professor of Occupational Medicine  
(Retired), University of Perugia, Italy

### Craig Steinmaus MD MPH

Office of Environmental Health  
Hazard Assessment, Cal/EPA

### Richard Wittman, MD MPH

Medical Director, Occupational Health  
Center, Stanford University

### Christina Wyatt, MD

Associate Professor of Medicine,  
Nephrology, Icahn School of Medicine  
at Mount Sinai

### Marya G. Zlatnik, MD, MMS

Professor, Division of Maternal Fetal  
Medicine, Department of Obstetrics,  
Gynecology, & Reproductive Sciences;  
Associate Director, Maternal Fetal  
Health and the Environment Program,  
UCSF/Western States PEHSU

faculty



# COURSE REGISTRATION FORM

MDM16N01

## Toxic Substances in the Workplace and the Environment and Updates in Occupational and Environmental Medicine

March 10-12, 2016 • 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. ☐ Ms. ☐ Mr. ☐ Mrs.

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:

### Full Course Registration Fees

☐ \$725 Physicians ☐ \$625 Allied Health Professionals ☐ \$525 Residents/Fellow

#### INDIVIDUAL SECTIONS:

**Toxic Substances in the Workplace and the Environment *Only*** (March 10, 2016)  
**8.00 AMA PRA Category 1 Credits™**

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

**Occupational and Environmental Medicine Update *Only*** (March 11-12, 2016)  
**10.00 AMA PRA Category 1 Credits™**

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

Check enclosed 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)

