

# At the Intersection of Occupational and Environmental Health and Updates in Occupational and Environmental Medicine

San Francisco Marriott Fisherman's Wharf  
San Francisco, CA

## 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

**Samuel M. Goldman, MD, MPH**

Professor of Clinical Medicine  
Division of Occupational and Environmental Medicine  
University of California, San Francisco

THURSDAY – SATURDAY

**March 10-12, 2022**



*Lumber Manufacturing* - Jerry Bywaters 1942 © 2015 Larry D. Moore CC BY-SA 4.0

**ADDITIONAL EVENT WEDNESDAY, MARCH 9**

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

# At The Intersection of Occupational and Environmental Health *and* Updates in Occupational and Environmental Medicine

March 10-12, 2022 and March 9, 2022 Evening Poster Session

These courses are presented by the Division of Occupational and Environmental Medicine in the Department of Medicine at the University of California San Francisco. They provide targeted reviews of one content area along with a broader update of current topics in occupational and environmental health. The curriculum is designed for occupational and environmental health professionals, including occupational physicians and nurses, and industrial hygienists. It also meets the needs of primary care providers and others engaged in practice and research, including physicians (family medicine practitioners, internists, emergency medicine specialists), advanced practice nurses and other nursing professionals, and physician assistants. Policy makers and medical-legal practitioners also benefit from the curriculum offered. **The first day** of the 2022 course, **At the Intersection of Occupational and Environmental Health**, addresses subject areas that underscore the interrelationships between workplace hazards and those in the wider environment beyond the factory door. Topic examples include: endocrine disruptors; agriculture and forestry; and selected air pollutants. A poster session the evening before the first conference day will supplement this content, including case reports and research data. **The second day and final half-day** of the course will cover a multi-topic theme: **Updates in Occupational and Environmental Medicine**.

## TARGET AUDIENCE

This course is designed to provide the experienced clinician with a review of the epidemiology, and the evaluation of occupational and environmental diseases and injuries. The curriculum will also include a substantial component focused on issues specifically pertinent to occupationally and environmentally-related disease. Most attendees will be occupational physicians, but some are specialists in related fields who will profit by an in-depth presentation of occupational and environmental medicine topics. Thus, although targeted for physicians, non-physicians, in particular graduate nurses, usually attend and benefit from the curriculum. Some attendees are from developing countries where physicians are not available to provide consultation to industry for the development of health and safety programs; others have been U.S. practitioners who play a pivotal role in occupational health.

## OBJECTIVES

Attendees completing this course will be able to:

- Improve understanding of their role in addressing occupational and environmental health topics in clinical practice;
- Adopt new medical knowledge into preventative measures that address both established and newer risk factors;
- Improve evaluation of scientific data in the field of occupational and environmental health;
- Expand the differential diagnosis to incorporate a wider range of environmental and occupational factors in various disease processes;
- Improve diagnostic methods and treatment options for selected occupational and environmental conditions;
- Incorporate the latest evidence into clinical care, research, and public health policy.

## 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.

**Geriatric Medicine:** The approved credits shown above include **3.25** geriatric credits toward meeting the requirement under California Assembly Bill 1820, Geriatric Medicine.

**Pain Medicine:** The approved credits shown above include **0.75** Pain Credits towards meeting the requirement under California Assembly Bill 487, Pain Management and Care for the Terminally Ill.

**Trauma:** The approved credits shown above include **2.50** credits toward satisfying the American College of Surgeons Committee on Trauma requirement for trauma-related continuing medical education.

**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.

**Pharmacy:** The California Board of Pharmacy accepts as continuing professional education those courses that meet the standard of relevance to pharmacy practice and have been approved for **AMA PRA Category 1 Credit™**.

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

**American Board of Preventive Medicine:** Application for LLSA credits towards MOC Part II has been filed with the American Board of Preventive Medicine (ABPM). Determination of credit is pending.

**California Division of Workers Compensation – Medical Unit (QME Credit):** The California Division of Workers Compensation – Medical Unit for Qualified Medical Evaluator credit has been approved for a maximum of **15.34** credits.



WEDNESDAY, MARCH 9, 2022

6:30-8:30 pm *Scientific Poster Session*

THURSDAY, MARCH 10, 2022

AT THE INTERSECTION OF OCCUPATIONAL AND ENVIRONMENTAL HEALTH

7:45 am	<i>Welcome &amp; Overview</i>	Course Leaders
8:00	<b>T</b> <b>Military Deployment as a Paradigm of Combined Occupational and Environmental Exposure</b>	Eric Garshick, MD, MOH
8:50	<b>Farmers, Foresters, and Seafarers: at the Crossroads of Environmental and Occupational Risks</b>	Josh Potocko, MD, MPH
9:40	Break	
10:10	<b>TG</b> <b>PTSD from Work and Environmental Events – Aiming for Secondary Prevention</b>	Thomas Neylan, MD
11:00	<b>Occupational Health and Safety and Environmental Health Policy from a Lobbyist’s Experience</b>	Gary Ewart
11:50	<i>Lunch Break on Own</i>	
1:10 pm	<b>Keynote: Occupational and Environmental Health in Hawaii: Trouble in Paradise</b>	Diana Felton, MD
2:10	<b>Occupational and Environmental Fieldwork: Experiential Learning for Trainees and Practitioners</b>	Gina Solomon, MD, MPH
3:00	Break	
3:30	<b>Diesel Exhaust as an Occupational vs. an Environmental Hazard: Different Lessons from the Same Teacher?</b>	Sadie Costello, PhD
4:20	<b>Rx</b> <b>Endocrine Disruptors: What Can Occupational Health Learn from the Environmental Arena?</b>	Linda C. Giudice, MD, PhD
5:10	<b>Closing Panel Discussion: Is There Truly an Intersection of Occupational and Environmental Health; Are We Acting That Way?</b>	Moderator: Samuel Goldman, MD, MPH Panelists: Linda C. Giudice, MD, PhD Gina Solomon, MD, MPH Sadie Costello, PhD
6:00	<i>Adjourn</i>	

FRIDAY, MARCH 11, 2022

7:50 am	<i>Welcome &amp; Overview</i>	Course Leaders
<b>UPDATES IN OCCUPATIONAL AND ENVIRONMENTAL MEDICINE</b>		
8:10	<b>P</b> <b>Home Office Ergonomics Post-COVID-19: Carpe Diem</b>	Carisa Harris-Adamson, PhD
9:00	<b>Beyond COVID-19: Conserving the Environment to Prevent the Next Pandemic</b>	Tierra Smiley Evans, DVM, PhD
9:50	Break	
10:20	<b>Performing Surveys in Occupational Health – Do’s and Don’ts</b>	Mark DiCamillo, MBA
11:10	<b>G</b> <b>Total Worker Health in Traditional and Alternative Employment: Who Takes Responsibility for Workers’ Well-Being?</b>	Edward Yelin, PhD
12:00 pm	<i>Lunch Break on Own</i>	
1:30	<b>Keynote: Why the Microbiome Might be Relevant in Occupational Health</b>	Susan Lynch, PhD
2:30	<b>Air Pollution Indoors and Outdoors – Comparing Apples and Oranges?</b>	Stephanie Holm, MD, PhD, MPH
3:30	Break	
4:00	<b>OEM Published Research: The Year in Review</b>	Samuel Goldman, MD, MPH
4:50	<i>Adjourn</i>	

SATURDAY, MARCH 12, 2022

8:15 am	<i>Welcome &amp; Overview</i>	Course Leaders
<b>UPDATES IN OCCUPATIONAL AND ENVIRONMENTAL MEDICINE</b>		
8:30	<b>TP</b> <b>Pain Medicine for the Occupational Health Provider</b>	Zachary Landman, MD, MPH
9:20	<b>Workplace Risk Communication</b>	Bruce Bernard, MD, MPH
10:10	Break	
10:30	<b>G</b> <b>Occupational and Environmental Health Disparities – Lessons from COVID</b>	Monica Gandhi, MD, MPH
11:20	<b>Closing Panel – Post-COVID Occupational and Environmental Health – Where Do We Go From Here?</b>	Moderator: Robert Harrison, MD, MPH Panelists: Bruce Bernard, MD, MPH Monica Gandhi, MD, MPH Carisa Harris-Adamson, PhD
12:00 pm	<i>Adjourn</i>	



# At The Intersection of Occupational and Environmental Health and Updates in Occupational and Environmental Medicine • March 10-12, 2022



## GENERAL INFORMATION

Advance registration closes one (1) business day prior to start of course. Onsite registration fees, if applicable, will be applied after this date..

## HOW TO ENROLL

### FULL COURSE Registration Fees

(Three Days • March 10-12, 2022)

Early Bird Rate: Ends 1/7/2022

18.00 AMA PRA Category 1 Credits™

	by 1/7/22	after 1/7/22
Physicians	\$625	\$675
Advanced Health Practitioners	\$525	\$575
Residents/Fellow/Trainee	\$400	\$450

Current graduate trainees should inquire regarding special registration options.

If you would like to register for only **At the Intersection of Occupational and Environmental Health or Updates in Occupational and Environmental Medicine** see information on the **INDIVIDUAL SECTIONS** below:

### At the Intersection of Occupational and Environmental Health

(One Day • March 10, 2022)

8.0 AMA PRA Category 1 Credits™

	by 1/7/22	after 1/7/22
Physicians	\$300	\$350
Advanced Health Practitioners	\$225	\$275
Residents/Fellows/Trainees	\$200	\$250

### Updates in Occupational and Environmental Medicine

(Two Days • March 11-12, 2022)

10.00 AMA PRA Category 1 Credits™

	by 1/7/22	after 1/7/22
Physicians	\$350	\$400
Advanced Health Practitioners	\$300	\$350
Residents/Fellows/Trainees	\$200	\$250

## GREENER MEETING

We're saving paper! The syllabus will be available electronically one week prior to the course.

**Refund Policy:** Cancellations received in writing before March 7, 2022 will be refunded, less a \$75 administrative fee. No refunds will be made on cancellations received after that date.

## REGISTER VIA

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

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

**UCSF Office of Continuing Medical Education • Box 0742**

490 Illinois Street, Floor 8  
San Francisco, CA 94143

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

## COVID-19

Although we would hope and prefer to host our CME course in person in the Spring of 2022, as we have done in the past, we also understand that the pandemic has caused significant restriction to in-person educational events. The health and safety of our meeting attendees, faculty, staff, and those that provide infrastructure support at the meeting venue are of primary importance to us. If conditions dictate an entirely live streamed event, we will do so in accordance with our University's guidelines. Please check our website for up-to-date information on the course: [www.cme.ucsf.edu](https://www.cme.ucsf.edu)

## 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. San Francisco Marriott Fisherman's Wharf is just steps from 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 **\$169/night**. You are urged to make your reservations early. The cut-off date is **February 8, 2022**, 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 online, go to [www.cme.ucsf.edu](https://www.cme.ucsf.edu) and click on the hotel link in the Travel & Lodging section of the course webpage. If you prefer to telephone in your reservation, call 415-775-7555 please identify yourself as a member of this UCSF conference to receive the special rate.

By staying at the host hotel, you help UCSF meet its contractual obligations and keep registration fees reasonable.

## AIR TRANSPORTATION AND RENTAL CAR

UCSF has negotiated special fares with airlines and car rental agencies. Please visit the TRAVEL AND LODGING section on the course webpage at [cme.ucsf.edu](https://cme.ucsf.edu) for more information and discount codes.





For more information or to register online visit our website at  
**cme.ucsf.edu**  
You may also reach us by calling the Office of CME at  
(415) 476-4251 or emailing [info@ocme.ucsf.edu](mailto:info@ocme.ucsf.edu).

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#### COURSE CHAIRS

University of California, San Francisco

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

##### **Samuel M. Goldman, MD, MPH**

Professor of Clinical Medicine  
Division of Occupational and  
Environmental Medicine

#### COURSE FACULTY

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

Captain, United States  
Public Health Service (ret)  
Consultant, Centers for Disease  
Control and Prevention  
Atlanta, GA

##### **Sadie Costello, PhD**

Associate Adjunct Professor  
Environmental Health Science  
School of Public Health  
University of California, Berkeley

##### **Mark DiCamillo, MBA**

Director, Berkeley IGS Poll  
and Executive Director  
Cal Research Associates

##### **Gary Ewart**

Chief, ATS Advocacy and  
Government Relations  
American Thoracic Society

#### COURSE FACULTY (CONT'D)

##### **Diana Felton, MD**

State Toxicologist, Hawai'i State  
Department of Health

##### **Monica Gandhi, MD, MPH**

Professor of Medicine and  
Associate Division Chief  
Division of HIV, Infectious Diseases,  
and Global Medicine, ZSFG, UCSF

##### **Eric Garshick, MD, MOH**

Associate Chief  
Pulmonary, Allergy, Sleep, and  
Critical Care Medicine Section  
VA Boston Healthcare System

##### **Linda C. Giudice, MD, PhD**

Distinguished Professor  
The Robert B Jaffe MD Endowed  
Professor in the Reproductive  
Sciences Department of Obstetrics,  
Gynecology & Reproductive  
Sciences, UCSF

##### **Carisa Harris-Adamson, PhD**

Associate Professor, University  
of California, San Francisco  
Deputy Director, Northern Center  
of Occupational & Environmental  
Health, School of Public Health,  
University of California, Berkeley

##### **Robert Harrison, MD, MPH**

Clinical Professor of Medicine  
University of California  
San Francisco  
Public Health Medical Officer,  
California Department of  
Public Health

#### COURSE FACULTY (CONT'D)

##### **Stephanie M. Holm, MD, PhD, MPH**

Co-Director, Western States  
Pediatric Environmental Health  
Specialty Unit  
Assistant Clinical Professor, UCSF

##### **Zachary Landman, MD, MPH**

Fellow, Pain Medicine  
Department of Anesthesiology,  
Division of Pain Medicine. Stanford  
University

##### **Susan Lynch, PhD**

Professor of Medicine, UCSF  
Director, UCSF Benioff Center for  
Microbiome Medicine

##### **Thomas Neylan, MD**

Director, PTSD Clinical and  
Research Programs, San Francisco  
VA Health Care System; Professor of  
Psychiatry, UCSF Weill Institute for  
Neurosciences

##### **Josh Potocko, MD, MPH**

Occupational Medicine  
Action Officer, Bureau of  
Medicine and Surgery  
United States Navy

##### **Gina Solomon, MD, MPH**

Clinical Professor of Medicine, UCSF

##### **Tierra Smiley Evans, DVM, PhD**

One Health Institute, UC Davis  
School of Veterinary Medicine

##### **Edward Yelin, PhD**

Edward A Dickson Emeritus  
Professor of Medicine and  
Health Policy, UCSF

faculty

COURSE REGISTRATION FORM • MDM22N01

At the Intersection of Occupational and Environmental Health and  
Updates in Occupational and Environmental Medicine

March 10-12, 2022 • ONSITE and LIVE STREAM

Mail to : UCSF Office of CME, Box 0742  
490 Illinois Street, Floor 8  
San Francisco, CA 94143

Online registration: [cme.ucsf.edu](https://cme.ucsf.edu)  
Registration Information: (415) 476-5808  
Course Information: (415) 476-4251

☐ Dr. ☐ Ms. ☐ Mr. ☐ Mrs. ☐ Mx.

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

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

FULL COURSE Registration Fees

(Three days • March 10-12, 2022) 18.00 AMA PRA Category 1 Credits™

- ☐ \$625 Physicians (\$675 after 1/7/2022)  
☐ \$550 Advanced Health Practitioners (\$575 after 1/7/2022)  
☐ \$400 Residents/Fellows/Trainees (\$450 after 1/7/2022)

INDIVIDUAL SECTIONS:

At the Intersection of Occupational and Environmental Health

(One day • March 10, 2022) 8.00 AMA PRA Category 1 Credits™

- ☐ \$300 Physicians (\$350 after 1/7/2022)  
☐ \$225 Advanced Health Practitioners (\$275 after 1/7/2022)  
☐ \$200 Residents/Fellows/Trainees (\$250 after 1/7/2022)

Updates in Occupational and Environmental Medicine

(Two Days • March 11-12, 2022) 10.00 AMA PRA Category 1 Credits™

- ☐ \$350 Physicians (\$400 after 1/7/2022)  
☐ \$300 Advanced Health Practitioners (\$350 after 1/7/2022)  
☐ \$200 Residents/Fellows/Trainee (\$250 after 1/7/2022)

Check enclosed payable to UC Regents

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

CARD #	EXPIRATION DATE
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NAME ON CARD (PLEASE PRINT)	AUTHORIZED SIGNATURE
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**Refund Policy:** Cancellations received in writing before **March 7, 2022** 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: [cme.ucsf.edu](https://cme.ucsf.edu)

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