New Jobs, Novel Technologies, and Changing Hazards at Work and in the Environment and Updates in Occupational and Environmental Medicine

THURSDAY – SATURDAY
March 11-13, 2021
Live Stream Conference

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 Medicine and Neurology
Division of Occupational and Environmental Medicine
University of California, San Francisco

ADDITIONAL EVENT WEDNESDAY, MARCH 10
Virtual Poster Session – Call for Abstracts to Follow
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 topic 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 2021 course, New Jobs, Novel Technologies, and Changing Hazards at Work and in the Environment, addresses the evolving nature of work today arising from changing jobs, the introduction of newer technologies, and the emergence and re-emergence of a range of physical and chemical hazards. This will also be placed in a broader environmental health context. A virtual 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, some 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 the industry for the development of health and safety programs; others have been U.S. nurse practitioners who play a pivotal role in occupational health.

OBJECTIVES
Attendees completing this course will be able to:
- Improve their understanding of the role of investigating sentinel events in occupational and environmental health practice;
- Adopt new medical knowledge into preventive activities addressing emerging risk factors and new disease entities as well as longstanding problems with new manifestations;
- Increase their knowledge relevant to the evaluation of scientific data in the field of occupational and environmental medicine;
- Expand the differential diagnosis to incorporate a wider range of environmental and occupational factors in various disease processes;
- Increase their knowledge of diagnostic methods and treatment options for selected occupational and environmental conditions;
- Improve 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 18.00AMA 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 3.75AMA 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 1820, Geriatric Medicine.

Pain Medicine: The approved credits shown above include 1.75Pain 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 3.75 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 AAMA PRA Category 1 Credit™ issued by organizations accredited by the ACCME.

Physician Assistants: AAPA accepts category 1 credit from AOACME. Prescribed credit from AAMA and AAMA 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: The American Board of Preventive Medicine (ABPM) has approved this activity for a maximum of 18.00AMA PRA Category 1 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 approved for a maximum of 18.00 credits.
New Jobs, Novel Technologies, and Changing Hazards at Work and in the Environment and Updates in Occupational and Environmental Medicine • March 11-13, 2021

**WEDNESDAY, MARCH 10, 2021**

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

**THURSDAY, MARCH 11, 2021**

**New Jobs, Novel Technologies, and Changing Hazards**

7:45  Welcome & Overview  
8:00  Changing Technologies in the History of Occupational and Environmental Health  
8:50  From Piece Work to Gig Work – Facing the Futures of a Digital Information Economy  
9:40  Break  
10:10  Climate Change and Classic Occupational/Environmental Hazards: Wildland Fires, Heat Stress, Infection, and Allergens  
11:00  Emerging Environmental Health Hazards for the 21st Century  
11:50  Lunch Break

1:10 pm  KEYNOTE: The Lessons of COVID-19: Emerging Pathogens and High Risk Workers  
2:10  The New Built Environment – Materials, Spaces, and the Human Condition  
3:00  Break  
3:30  New or Exotic Poisons and Toxicants – More Than Just Answers to Stump Test Questions  
4:20  From Outer Space to Work on the Ground: NASA Insights for Astronaut Occupational Healthcare  
5:10  Closing Panel: New Jobs and Novel Technologies – Has Anything Really Changed?

6:00 pm  Adjourn

P • Pain Credit  G • Geriatric Credit  T • Trauma Credit  Rx • Pharmacotherapeutics Credit

**GENERAL INFORMATION**

Registration for this live stream conference will be available until 8:00 am on Thursday, March 11th. Registrants will be given instructions to access the virtual conference and the electronic course materials 1 week in advance of the conference. Recordings of the talks will be available to view on demand post-course.

**HOW TO ENROLL**

**FULL COURSE Registration Fees**  
(Three Days • March 11-13, 2021)  
18.00 AMA PRA Category 1 Credits™  
$600 – Physicians  
$550 – Advanced Health Practitioners  
$425 – Residents/Fellow/Trainee  
Current graduate trainees should inquire regarding special registration options.

If you would like to register for only the New Jobs, Novel Technologies, and Changing Hazards at Work and in the Environment or Updates in Occupational and Environmental Medicine, see information on **INDIVIDUAL SECTIONS** below:

**New Jobs, Novel Technologies, and Changing Hazards at Work and in the Environment**  
(One Day • March 11, 2021)  
8.0 AMA PRA Category 1 Credits™  
$275 – Physicians  
$225 – Allied Health Professionals  
$200 – Residents/Fellows  

**Updates in Occupational and Environmental Medicine Section**  
(Two Days • March 12-13, 2021)  
10.00 AMA PRA Category 1 Credits™  
$350 – Physicians  
$300 – Allied Health Professionals  
$225 – Residents/Fellows
We're saving paper! The syllabus will be available electronically one week prior to the course.

**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.

**REGISTER VIA**

**Online:** cme.ucsf.edu  
**Mail:** Complete course registration form and send with payment to: UCSF Office of Continuation Medical Education  
490 Illinois Street, Floor 8  
San Francisco, CA  94158

**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.

**LIVE STREAM MEETING**  
This course will be offered as a live stream interactive conference. Login instructions along with the digital syllabus will be shared with attendees 1 week prior to the meeting. Included in your registration fee is access to the course recordings on demand after the conference and for 30 days after the course.
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Paul D. Blanc, MD, MSPH
Professor of Medicine
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Professor of Medicine, Medical Director,
Occupational Health Services, Division of Occupational and Environmental Medicine
Samuel M. Goldman, MD, MPH
Professor of Medicine and Neurology,
Division of Occupational and Environmental Medicine

COURSE FACULTY (University of California, San Francisco unless indicated)
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University Health Services
University of California Berkeley

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Director, Interdisciplinary Center for Healthy Workplaces (HealthyWorkplaces)
Senior Lecturer, Haas
School of Business
University of California Berkeley

Bruce Bernard, MD, MPH
Captain, United States Public Health Service (ret);
Consultant, Centers for Disease Control and Prevention,
Atlanta, GA

COURSE FACULTY (CONT’D)
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Mercy Medical Group – Dignity Health
Sacramento CA
Xochitl Castañeda
Associate Director of Health Initiative of the Americas
School of Public Health
University of California Berkeley

Sandra Domeracki, RN, MSN, FNP-BC, COHN-S, FAAOHN
Associate Clinical Professor and Family Nurse Practitioner
School of Nursing,
Community Health Systems
Occupational and Environmental Health Nursing Graduate Program
Mary Gray, PhD
Senior Principal Researcher,
Microsoft Research
Associate Professor, Luddy School of Informatics, Computing, and Engineering; Anthropology; Gender Studies
Indiana University
Faculty Associate, Berkman Klein Center for Internet and Society
Harvard University
Robert Harrison, MD, MPH
Clinical Professor of Medicine; Public Health Medical Officer, California Department of Public Health

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Italian Workers
Compensation Authority
Rome, Italy

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Medical Officer, US Navy (ret)

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Co-director, Western States Pediatric Environmental Health Specialty Unit
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Medical Toxicology Fellow,
California Poison Control System, San Francisco Division

Ronak V. Shah, DO, MBA, MPH
Medical Director
NASA Johnson Space Center Clinic

Gina Solomon, MD, MPH
Clinical Professor of Medicine

Mary Van Baalen, PhD
Lead Lifetime Surveillance of Astronaut Health
NASA Johnson Space Center
### Course Registration Form • MDM21N01

**New Jobs, Novel Technologies, and Changing Hazards at Work in the Environment and Updates in Occupational and Environmental Medicine**

**March 11-13, 2021 • LIVE STREAM • INTERACTIVE WEBINAR**

Mail to: UCSF Office of CME
490 Illinois Street, Floor 8
San Francisco, CA 94158
Fax: (415) 502-1795

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

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**DAYTIME PHONE**  
**FAX**

**EMAIL**  
**CELL PHONE**

**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

### FULL COURSE Registration Fees

(Three days • March 11-13, 2021)  **18.00 AMA PRA Category 1 Credits™**

- ☐ $600 Physicians
- ☐ $550 Advanced Health Practitioners
- ☐ $425 Residents/Fellow/Trainee

### INDIVIDUAL SECTIONS:

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Check enclosed payable to UC Regents

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

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NAME ON CARD (PLEASE PRINT) ____________________  
AUTHORIZED SIGNATURE ____________________

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Please check our website for up-to-date information on the course: [cme.ucsf.edu](http://cme.ucsf.edu)