



Occupational and environmental health exposures cause thousands of illnesses and injuries each year.

This lecture series addresses the evaluation, treatment, and prevention of disease and injuries related to environmental and occupational exposures encountered by physicians and their colleagues in local, regional, and international settings.

At this venue for education and professional networking, join us as we explore:

- \* Current issues and emerging trends in occupational and environmental medicine
- \* Practical applications of new scientific discoveries
- \* Best practices in occupational and environmental medicine

## Occupational and Environmental Medicine Lecture Series

### 2019 OEM GRAND ROUNDS LECTURE SERIES

UW Medicine South Lake Union - Building C, Room C123

850 Republican St, Seattle, WA 98109

6:00pm Networking and heavy hors d'oeuvres 6:45pm Lecture  
*OR attend via live webinar*

**MARCH 21, 2019**

### ***Exoskeletons in the Workplace: New Technology to Reduce Fatigue and Augment Return to Work?***



**Matthew Marino,  
PT, MSPT, CPE**  
Lead Ergonomist &  
Physical Therapist  
at Briotix Health



**Rick Goggin,  
MS, CPE**  
Ergonomist,  
Washington State  
Department of  
Labor and  
Industries

Could Iron Man-esque robotic suits be the magic solution to ergonomic injuries in the workplace? Not exactly. But wearable exoskeletons may be beneficial in reducing musculoskeletal loads that are not otherwise abated by engineering process change. Lifting and handling of heavy materials and supporting heavy tools are contributors to fatigue and musculoskeletal disorders (MSDs), which are known to account for approximately 30% of lost time workplace injuries and illnesses. In this Grand Rounds lecture, we will discuss the benefits and limitations of wearable exoskeletons in the workplace to reduce injuries, and their use in return to work cases and disability prevention.





### **Sponsors:**

OEM Grand Rounds is supported by the Northwest Center for Occupational Health and Safety, Department of Environmental and Occupational Health Sciences, University of Washington School of Public Health

### **Cancellation Policy:**

Participants may cancel up to one week prior to the event. After this date, fees will be forfeited. Attendee substitutions will be accepted with written notice one week prior to the event.

The University of Washington is committed to providing access and reasonable accommodations in its services, programs, activities, education, and employment for individuals with disabilities. To request disability accommodation, contact the Disability Services Office at least 10 days in advance at: 206-543-6450 (voice); 206-543-6452 (TDY); 206-685-7264 (FAX); or [dso@u.washington.edu](mailto:dso@u.washington.edu) (e-mail).

## **Registration**

In-person registration includes lecture, heavy hors d'oeuvres and networking hour, and parking.

In-Person Networking Lecture Series (3 lectures):	\$135
Single In-Person Networking Lecture:	\$50
Live Webinar Series (3 lectures):	\$60
Single Live Webinar:	\$25

To register, please visit [osha.washington.edu](http://osha.washington.edu) or contact the UW DEOHS Continuing Education Programs at 206-685-3089 or [ce@uw.edu](mailto:ce@uw.edu).

## **Lecture Series Schedule**

### **The Health Implications of Exposure to Wildfire Smoke: In Firefighters, Other Outdoor Workers and Vulnerable Populations**

January 31, 2019

### **Exoskeletons in the Workplace: New Technology to Reduce Fatigue and Augment Return to Work?**

March 21, 2019

### **Telehealth for Psychiatric and Medical Treatment in the OEM Practice: Using Technology to Extend Your Reach**

May 16, 2019

## **Intended Audience**

Occupational and Environmental Medicine Physicians, Physician Assistants, Nurses, and other health care professionals involved in treating patients with multiple or complex medical conditions in occupational and environmental medicine.

## **Accreditation**

Continuing Education approval for this activity is pending. Please visit [osha.washington.edu](http://osha.washington.edu) for further information.

## **Planning Committee**

Nancy Simcox, MA

Sarah Wolz, MS

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Arthur Wendel, MD, MPH



CONTINUING EDUCATION PROGRAMS

NORTHWEST CENTER FOR OCCUPATIONAL HEALTH AND SAFETY

DEPARTMENT OF ENVIRONMENTAL AND OCCUPATIONAL HEALTH SCIENCES

University of Washington School of Public Health

