University of California, Irvine Research Park Conference Center  
5301 California Ave., Suite 120, Irvine, CA 92617

Thursday February 6, 2020

Register/Sign-In 8:30 – 9 am

Welcome by Chair and COEH Director 9-9:10 am

**Health Policy - Keynote Speaker:** “Wildfire Smoke: California’s Public Health Policy Responses”  
9:10 am – 9:50 am Dr. John Balmes

John Balmes, MD  
Professor, Divisions of Occupational and Environmental Medicine and Pulmonary and Critical Care Medicine  
School of Medicine  
University of California, San Francisco  
Physician Member of the California Air Resource Board

**NIOSH Research:** “Working in Smoke: Current NIOSH Research for Wildland Firefighters”  
9:50 am – 10:30 am Dr. Kathleen Navarro

Kathleen Navarro, PhD, MPH  
Division of Field Studies and Engineering | Field Research Branch  
National Institute for Occupational Safety and Health  
Centers for Disease Control and Prevention
Break 10:30 – 10:45 am

**Community:** “Wildfire Preparedness”* 10:45 am -11:15 am Orange County Fire Authority

**Research:** “Climate Change Impacts on California Wildfire Dynamics”
11:15 am – 11:45 am Dr. James Randerson

James Randerson, PhD
Professor, Earth System Science
School of Physical Science
University of California, Irvine

Lunch 11:45 am – 12:45 pm

**Research and Policy Change - Keynote Speaker:** “The Fire Fighter Cancer Cohort Study & Wildland Urban Interface Fires - from Science to Research Based Policy Changes in the Fire Service”
12:45 pm – 1:25 pm Dr. Jeff Burgess, Engineer Derek Urwin, and Captain Jeff Hughes

Q&A with Firefighters 1:25 pm- 1:30 pm

Jeff Burgess, MD, MS, MPH
Associate Dean and Professor
Mel and Enid Zuckerman College of Public Health
The University of Arizona Health Sciences

Captain Jeff Hughes, Orange County Fire Authority

Engineer Derek Urwin, Los Angeles County Fire Department

**Health Effects:** "Connecting Wildfire Smoke Exposure with Effects on the Heart and Lungs"
1:30pm – 2:10 pm Dr. Michael Kleinman

Michael Kleinman, PhD
Professor, Occupational and Environmental Medicine
School of Medicine
University of California, Irvine
Co-Director of the Air Pollution Health Effects Laboratory

Break 2:10 pm – 2:25 pm
Land Management: Why and How Healthier Forests Can Translate into Healthier Air
2:25 pm – 3:05 pm Dr. Leland Tarnay

Leland Tarnay, PhD
Physical Ecologist
USDA Forest Service Region 5

Panel with Dr. Balmes, Dr. Burgess, Dr. Navarro, Dr. Kleinman, and Dr. Tarnay Q&A
3:05 pm – 3:50 pm
Friday February 7, 2020

Register/Sign-In 8:30 – 9 am

Chair/Director remarks 9-9:10 AM

Exposure: “Assessing Firefighter Exposure: Challenges and Benefits of Biomonitoring”
9:10 – 9:50 am Nerissa Wu and Sharyle Patton

Nerissa Wu and Sharyle Patton  
California Department of Public Health  
California Environmental Contaminant Biomonitoring Program

Research: "Machine Learning to Predict Wildfire Size from the Time of Ignition"
9:50 am -10:10 am Shane Coffield

Shane Coffield  
Ph.D. Student in Earth System Science  
University of California, Irvine

Break 10:10 am – 10:30 am

Industrial Hygiene: “Wildfire Impact to Communities: The Role of the Industrial Hygienist”
10:30 am – 11:10 am Michelle Rosales

Michelle Rosales, MPH, CIH  
Senior Project Manager  
Forensic Analytical Consulting Services  
Southern California AIHA President Elect

Panel with Nerissa Wu, Sharyle Patton, and Michelle Rosales for Q&A
11:10 am – 11:40 am

Closing remarks 11:45 am

*Subject to change
± Complimentary breakfast served both days. Complimentary lunch on February 6, 2020.