



RALEIGH, NORTH CAROLINA AND UNIVERSITY OF CALIFORNIA, DAVIS, USA

The workshops will take place on Monday, April 20, the day preceding the 3rd International Smoke Symposium (ISS3).

The purpose of the workshops is to provide a forum for researchers and practitioners in wildland fire, smoke management, public health, and air quality management to discuss and exchange interests on defined topics. We view these workshops as an opportunity for knowledge and technology transfer.

Registration for the workshops is \$20 for half day

ISS3 Workshops – UC Davis	
8:30 -12:30	Exploring the Impacts of Wildfire Smoke on Northern California's Diverse Populations
1:30 - 5:30	Tools and Methods Used to Measure Exposure to Wild Fire Chemicals

#### **Morning 8:30-12:30**

##### **Exploring the Impacts of Wildfire Smoke on Northern California's Diverse Populations**

Instructors: Dr. Kathryn C. Conlon, University of California Davis, School of Medicine, Department of Public Health Sciences

Dr. Irva Hertz-Pannier, University of California Davis, School of Medicine, Department of Public Health Sciences

Heather E. Riden, University of California Davis Department of Public Health Sciences, Western Center for Agricultural Health and Safety

Dr. Rebecca J. Schmidt, University of California Davis, School of Medicine Public Health Sciences

Dr. Bryn E. Willson, University of California Davis, Health, Obstetrics and Gynecology Residency Program

This workshop will be a series of in-depth explorations of current research into the health impacts of northern California's populations, including pregnant women, children, and farmworkers. Presenters will provide details into the study design, participant recruitment, data collection, measurement selection, data analysis, and more. A facilitated discussion will delve into the complex nature of wildfire smoke, including the recurring nature of these events and the difficulties that accompany studying the physical, mental, and emotional impacts.

#### **Afternoon 1:30-5:30**

##### **Tools and Methods Used to Measure Exposure to Wild Fire Chemicals**

Instructors: Ameer Taha, Associate Professor, University of California Davis

Cristina Davis, Mechanical and Aerospace Engineering, UC Davis

Sean M Raffuse, Air Quality Research Center, UC Davis

Tony Wexler, Mechanical and Aerospace Engineering, UC Davis

Wild fires release volatile combustion chemicals into the environment. The nature of these compounds, their distribution and health effects is of great concern, particularly for urban fires, which produce combustion volatiles from house-hold chemicals. This workshop will address the challenges of measuring and tracking the distribution of these chemicals in the environment, and explore new technologies that capture them. Understanding innovative ways to track exposure to fire chemicals will serve the broad goal of assessing their long-term health effects, in view of the growing threats of climate change and increase in wild-fire frequencies.