



2012 Yosemite Forum

Sponsored by Resources Management and Science, Yosemite National Park

An interactive lecture series designed to bring evolving knowledge of the Sierra Nevada to the public and the park.

Smoke and Health

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Smoke is composed of a mixture of gases and particles. Many of these components produce adverse effects, particularly inflammation in the lung. Surprisingly, we also observe that particle inhalation increases inflammation in additional organs including the brain. Tissues respond to particle exposure by increasing their antioxidant defensive enzymes; however, the ability to increase defenses decreases with age while inflammation increases in the lungs and brain possibly because of the decreased defensive response.

Wednesday, October 17, 2012
Auditorium, Yosemite Valley
Noon to 1 p.m.

Yosemite Forum is a partnership among:

- ☞ Yosemite National Park, Resources Management and Science Division
- ☞ USGS, Western Ecological Research Center, Yosemite Field Station
- ☞ University of California, Sierra Nevada Research Institute
- ☞ The Yosemite Conservancy

