



# CHEMISTRY DEPARTMENT SEMINAR



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## **Systemic consequences and biological mechanisms of air pollution in the Southwestern United States: an overview**

Poor remediation of abandoned commercial uranium (U) mines throughout the Southwestern United States has subjected surrounding communities to metal-based (U, V, As) environmental exposures. Recent data suggest that inhalation of mine-site derived dust may have systemic impacts, driven by extracellular vesicles. In addition, other sources of air pollution, such as wildfires, are a growing concern in the Western U.S. In this seminar, we explore the basic biological mechanisms and clinically-translational models of exposures to two key air pollution sources: mine dust and wildfire smoke.

**March 10<sup>th</sup> @ 2.00 p.m. – Lopez 106**

Meeting ID: 955 4454 2732 <https://zoom.us/j/95544542732>