

California State University, Fresno
Department of Biology Colloquium Seminar Series
presents...

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In the Mix: Environmental and Chemical Pollutants and Respiratory Health



Friday, March 11, 2022

3:00 – 4:00 pm

As we breathe every second of every day of our lives, our respiratory system is a critical way our bodies interface with the environment. There are several important environmental exposures that negatively impact our respiratory health, most prominently air pollution. However, other inhaled chemical exposures, particularly exposure that occur frequently, may have synergistic impacts with other environmental insults in our air, such as pesticides. Though agricultural pesticides have been used to ensure a safe food supply, chemical pesticides have been found to have harmful exposures on human health. Specifically, occupationally exposed groups and downwind communities bear a disproportionate exposure to chemical pesticides, which have been found to be associated with adverse neurocognitive outcomes and cancer outcomes. Although the primary exposure route for community members to agricultural pesticides is inhalation, there is a limited body of research on the health effects of pesticide inhalation and the health impacts that these inhalation hazards occur in a mixture of other exposures. This research presentation will present the narrative arc of our research program in California's Central Valley to understand the relationship between multiple chemical exposures and respiratory health.

Zoom virtual meeting:

<https://fresnostate.zoom.us/j/84543877621?pwd=VmduNjFub1BEV09aSU1SRmRiZFlBdz09>

If you need a disability-related accommodation or wheelchair access, please contact Lindasue Garner at the Department of Biology at (559) 278-2001 or e-mail lgarner@csufresno.edu at least one week prior to the event.