



**The UNC Center for Environmental Health and Susceptibility (CEHS)
and the Environmental/Occupational Epidemiology Seminar series**

Toxic trace elements in follicular fluid, oxidative stress & in vitro fertilization outcomes

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November 19, 2021, from 2:00-3:00

Zoom Link: <https://unc.zoom.us/j/96469551224>

Session Description:

This talk will summarize an investigation of follicular fluid (FF) concentrations of four widespread toxic trace elements (arsenic, mercury, cadmium, and lead) in relation to a spectrum of IVF endpoints, exploring antioxidant activity as an intervening variable. It will also cover the characterization of sources of variability for essential and toxic trace elements and of dietary exposure sources of toxic trace elements in FF.

Background:

Celeste is currently a Postdoctoral Trainee at UNC having completed her PhD at the University at Albany in August of 2020. She has worked on diverse research projects exploring the impact of environmental pollutants on reproductive health outcomes, birth outcomes, and chronic diseases. She is also interested in investigating health disparities in environmental exposures and in the delivery of and access to health services and information driven by her experience working at several community-based organizations dedicated to public health and youth development.