“Reimagining Field Based Science Education Towards Cultivating Just, Thriving, and Sustainable Worlds”

The complex intertwining of human systems and natural systems are increasingly visible as societies are grappling with profound issues like racial justice, public health, and economics, amidst and shaped by rapidly shifting ecological systems and changing climates. Given these realities, what would it take for human worlds and natural worlds to be generativity intertwined such that justice and sustainability are achievable? I ground this talk in cognitive studies on cultural variations in relational construals and indicators of systems reasoning about what I call nature-culture relations between Indigenous communities and European-American communities. I then present two participatory design-based research projects focused on developing models of interdisciplinary field-based science education building with insights from the cognitive studies, and that are working towards expansive models of science education that take seriously historically powered dynamics of education and of science.

MEGAN BANG
Professor
Learning Sciences
Psychology
Northwestern University
Senior Vice President
Spencer Foundation
Dr. Bang studies dynamics of culture, learning, and development with a focus on the complexities of navigating multiple meaning systems in creating and implementing more effective and just learning environments.

WEDNESDAY, FEBRUARY 24
12:00 P.M. to 1:30 P.M.

ZOOM
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