

"Will behavior buffer climate change? Lessons from a model organism in ecology and evolution."



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3:00 – 4:00 PM

Science 2, room 109

For further information: www.csufresno.edu/biology

Behavior is the fastest response to environmental stress, but can behavior help animals deal with the stress of climate change? This talk will examine the assumptions about behavior made when predicting impacts of climate change. Angilletta will present a computational theory that predicts how animals thermoregulate in stressful climates and evaluate this theory with experimental studies of lizards. The results will underscore how this theory can improve analyses of extinction risk from climate change.

Bio: Michael Angilletta is a Professor and the Associate Director of Undergraduate Programs in the School of Life Sciences at Arizona State University. Mike studies impacts of temperature on organisms and their consequences for ecological and evolutionary processes. His research has generated more than 100 scientific papers, but Mike is best known for his award-winning book, "Thermal Adaptation". At ASU, Mike oversees 9 undergraduate programs in biology that collectively enroll about 4500 students. His team launched the first online program that confers a BS in Biological Sciences. This program combines evidence-based practices and cutting-edge technology through collaborations with companies such as CogBooks, Labster, and Google.