

USC Dornsife

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Response to environmental change via epigenomic and genomic mechanisms in humans and non-human primates

With the effects of human-induced climate change becoming more pronounced, research at the intersection of the environmental change, evolutionary genomics, and individual fitness is critical to our ability to conserve biodiversity and understand humanity's ability to adapt to climate change. Using human and non-human primate models, I will discuss the impact of genetic and epigenetic variation on differences in fitness across environmental conditions. This talk will focus specifically on my work examining how long-term environmental change has affected human hunter-gatherers in Southwest Uganda and how short-term environmental variation affects wild ring-tailed lemurs in Southwest Madagascar. Furthermore, because my work occurs with and near marginalized peoples in areas of the world with long histories of colonial oppression, I emphasize community-engaged research in all of my work and incorporate the consideration of ethical implications throughout the research process, from study design through publication, with the goal of reducing the potential for harm from our research as much as possible.

HEB Seminar Series

January 29, 2024 | 12:00 PM – 1:00 PM

Join Zoom Meeting: <https://usc.zoom.us/j/92154292724?pwd=UTICLzhVc3ZJcmV6MWh5N00xQ1A5UT09>

Meeting ID: 921 5429 2724 Passcode: 1111