Evolutionary genomics, environmental change, and epigenomics in humans and non-human primates

As an interdisciplinary anthropological genomicist, Dr. Grogan’s research focuses on how genetic and epigenetic variation impacts inter-individual differences in fitness across environmental conditions. In the past, she has researched how immunogenetic diversity influences survival and reproductive success in ring-tailed lemurs. Currently, she is examining the physiological mechanisms by which differences in living strategy and environment produce differences in stature between rainforest hunter-gatherers and agriculturalists. With the effects of human-induced climate change becoming more pronounced, her research at the intersection of the environmental variation, evolutionary genomics, and individual fitness seeks to understand the ability of humans and non-human primates to acclimatize and adapt to climate change. *

* Provided by speaker