



Presenter: Tyler Bernius

Session & Time: Science I / 4:30 to 6:30pm

Room: Science Building

Discipline: Biology, Political Science

Faculty Mentor: Brett Bayles

Digital Portfolio URL:

Title: Planetary health perspectives from California: Consequences of historical redlining on human health

Abstract:

Dr. Bayles' "Space Lab" is dedicated to quantifying the impacts of global environmental change on human health with a particular focus on emerging infectious diseases. Our interdisciplinary work is guided by the planetary health framework and we utilize geographic information systems (GIS) to uncover and better understand the spatial dynamics of health on a rapidly changing planet. Recent Space Lab projects have included: 1) wildlife conservation and human development in Kenya; 2) deforestation in Costa Rica and the rise of Zika and Dengue fever; 3) biological invasions; 4) West Nile Virus emergence in California.