



## 2023 Alber Science & Engineering Fellow

**Brent Siegel, Master of Public Health Candidate, UC Berkeley School of Public Health and student affiliate in the Division of Global Medicine at UCSF**



Brent is an MPH candidate in Infectious disease and Vaccinology at the UC Berkeley School of Public Health and a student affiliate of the Rosenthal Lab in the Division of Global Medicine at UCSF.

Brent graduated from UC San Diego in 2022 with a degree in global health and a minor in biology. In undergrad he performed immunohistochemistry for the UCSD Human Tissue Technology Center. He also trained in the Siqueira-Neto Lab at the UCSD Center for Discovery and Innovation in Parasitic Diseases, validating candidate molecules against the parasitic diseases *T. Cruzi* and *Leishmania*.

At UCSF Brent's work aims to use deep sequencing and molecular epidemiology techniques to understand the emergence and persistence of mutant and partially drug resistant Malaria within Uganda. He aims to combine sequence data and modeling techniques to better describe the trends of Malaria partial drug resistance for a variety of genes.