Antanasijevic lab at the Global Health Institute (EPFL) has an open position for a PhD student with interests in structural biology, virology and vaccine design. The research project will focus on evaluation of antibody responses elicited by different viral pathogens, vaccine candidates and toxins using state-of-the-art cryo-electron microscopy, immunology and bioinformatics tools. Selected candidate will then learn how to apply this information for design of novel vaccine candidates and antibody therapeutics. The primary targets of interest are human papillomavirus (HPV), non-polio enteroviruses (NP-EV), human immunodeficiency virus (HIV) and hemorrhagic fever viruses (e.g., yellow fever, dengue and hantavirus). The specific project details will be tailored according to the research interests and experience of the candidate.

We are looking for excellent candidates that are motivated, enthusiastic and organized. Previous research experience in biochemistry, virology and/or structural biology is preferred. Selected candidate will get a chance to drive interdisciplinary research projects in a highly collaborative environment.

For more details please contact: aantan@scripps.edu

See the following references to learn more about the research tools that will be employed:

Antanasijevic et al., Nature Comm, 2021
https://www.nature.com/articles/s41467-021-25087-4

Antanasijevic, Bowman et al., Sci Adv, 2022
https://www.science.org/doi/10.1126/sciadv.abk2039

Antanasijevic et al., bioRxiv preprint, 2022
https://www.biorxiv.org/content/10.1101/2022.01.31.478566v1