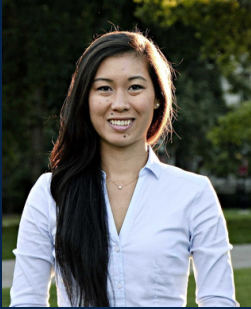


BCH 252 Seminar Series



**Dr. Julianna Han, Research Associate,
The Scripps Research Institute**

**Seminar Title: “Toward a universal flu
vaccine: dissecting antibody responses to
conserved sites on influenza virus
hemagglutinin”**

Biography: Dr. Julianna Han is a staff scientist in the laboratory of Andrew Ward at Scripps Research, where she researches human immune responses to seasonal and pandemic influenza viruses. After receiving a B.S. in biochemistry and a B. Music in flute performance at the University of Oregon, Dr. Han pursued a Ph.D. in microbiology at the University of Chicago, where she researched cell intrinsic immunity and the intracellular life cycle of influenza virus. Fascinated by the complexities of a virus with only eight genes to subvert host immunity, for her postdoctoral studies Dr. Han transferred to the field of structural biology to probe adaptive immune responses to influenza using electron microscopy in the Ward lab. Through extensive epitope mapping of the hemagglutinin (HA) protein, Dr. Han characterized human polyclonal antibody responses to influenza HA, contrasting immunity after infection and vaccination with seasonal vaccines, novel influenza strains, and universal influenza vaccine candidates. By researching context-dependent dynamics and functionality of antibody responses to influenza virus, she aims to fine tune immunogens to elicit broad and protective antibody responses for universal influenza vaccine development. When she is not thinking about flu, Dr. Han can be found playing flute or frisbee or trying to pet every dog at the dog beach.

ZOOM Link: <https://ucr.zoom.us/j/97309613985?pwd=cEhnR0RGendMNy85ZU95VWpDMnJCdz09>

Meeting ID: 973 0961 3985

Passcode: 912260

Tuesday, May 24th, 2022

12:00 p.m. - 12:50 p.m.

Host: Dr. Li Fan