

Microbiology and Immunology Program Class of Fall 2022



Anarv Mathur

My current research interest explores the rising threat of antimicrobial resistance in nosocomial pathogens and methods to combat antimicrobial resistance. I completed my undergraduate studies in 2020 with a B.S. in Microbiology from Albany College of Pharmacy and Health Sciences.



Tete Obot

After graduating from Loyola University (MD), I worked at two biopharmaceutical companies focused on discovering novel immunotherapies to combat cancer. Initially, my research focused on investigating the biology of the immunosuppressive Siglec-15-expressing myeloid cells in the tumor microenvironment. Recently, I have been working on developing a screening platform to assess the ability of various immune checkpoint bispecific antibodies to reverse T cell suppression in the tumor microenvironment. More generally, my research interests revolve around cancer immunology and cancer stem cells."



Sean Riley

I received my B.S. in Biochemistry from the University at Buffalo in May 2020, my undergrad research consisted of characterization of small molecules as potential inhibitors of Zika virus (ZIKV) and SARS-CoV 2 entry. As well as determining the role of host restriction factors that target HIV and MLV. My research interests lie in further investigating host-virus interactions to more completely characterize the interplay between a virus and host cell during infection. All with the hope of identifying weaknesses that may be exploited in development of novel antiviral therapeutics or prophylactic interventions. When I am not in the lab I enjoy cooking and kayaking.



Kyungyoon Yoo
(MSTP)

As an MD/PhD candidate, I am broadly interested in the regulation of cellular processes at a molecular level that ultimately leads to clinical outcomes. In the past, have made meaningful contributions to understanding how Bordetella pertussis, the causative agent of whooping cough, regulates its genes to survive in different environments. I have also dissected the role of eIF3 (eukaryotic Initiation Factor 3), a protein that has been implicated in the development and progression of various human cancers.

During my graduate school training, I will investigate questions related to fungal pathogenesis. Specifically, my thesis project will contribute to our current understanding of how Cryptococcus neoformans, causative agent for the most common fungal meningitis, regulates its cellular and metabolic processes to promote antifungal resistance during chronic infection.