

Stanford



Mahasish Shome

Postdoctoral Scholar, Genetics

Bio

BIO

I am a postdoctoral fellow in Department of Genetics working in Dr. Michael Snyder's lab. My research interest revolves around studying humoral immunity to understand disease pathology. I am currently working on Postacute sequelae of SARS-CoV-2 infection (PASC) patients who experienced various symptoms after COVID infection and vaccination. We looked into the antibody profile of this cohort and also the B cell receptor (BCR) repertoire for possible clonal expansion. We are specifically trying to understand if there is an autoimmune component leading to these symptoms observed in PASC cohort. We also plan to decipher the reason behind some individuals having symptoms after vaccination while others do not.

I am also interested in inflammatory bowel disease pathology and how gut microbiome plays a role in disease progression. I am focusing on Adherent Invasive Escherichia Coli as a pathobiont microbe target.

STANFORD ADVISORS

- Michael Snyder, Postdoctoral Faculty Sponsor

Research & Scholarship

LAB AFFILIATIONS

- Michael Snyder (9/1/2022)

Publications

PUBLICATIONS

- **The importance, challenges, and possible solutions for sharing proteomics data while safeguarding individuals' privacy.** *Molecular & cellular proteomics : MCP*
Shome, M., MacKenzie, T. M., Subbareddy, S. R., Snyder, M. P.
2024: 100731