Stanford

Siddu Shivanagoudra

Postdoctoral Scholar, Gastroenterology

Bio

BIO

Siddu Shivanagoudra is a postdoctoral scholar in the Spencer Lab investigating how gut microbiota-derived metabolites modulate intestinal immune signaling and barrier function. He holds an MS in Horticultural Sciences and a PhD in Biomedical Engineering from Texas A&M University. His work spans tryptophan metabolite biology, AHR/GPR35 signaling, and defined bacterial consortia, integrating cellular, transcriptomic, and metabolomic approaches. Siddu aims to translate these mechanistic insights into microbiome-targeted therapeutic strategies for inflammatory gut diseases.

HONORS AND AWARDS

- Stanford University Mass Spectrometry Targeted Quantitation Seed Grant Program., Stanford University (07-25-2026)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, AIChE (2024 - present)
- Member, American Society for Biochemistry and Molecular Biology (2025 - present)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Texas A&M University College Station (2026)
- Master of Science, Texas A&M University College Station (2019)
- PhD, Texas A&M University, College Station , Biomedical Engineering (2026)
- MS, Texas A&M University, College Station , Horticultural Sciences (2019)
- Bachelor of Engineering, B.V. Bhoomarddi College of Engineering and Technology, India , Biotechnology (2013)

STANFORD ADVISORS

- Sean Spencer, Postdoctoral Faculty Sponsor

LINKS

- ORCiD: https://orcid.org/0000-0001-6401-1639