Stanford

Tanya Sharma

Postdoctoral Scholar, Pathology

Bio

BIO

Tanya's interests span across studying G-Protein Coupled Receptors and the biochemistry of membrane proteins. During her doctoral studies, she worked as a visiting researcher at the National Research Council of Canada, Ottawa (Sussex laboratories) from 2019-2023 uncovering the role of an ancient mating receptor Ste3 in microbial pathogenesis and chemotropism. During her current position at Butcher lab, she is using High Performance Computing (HPC) platforms to guide her search for interesting ligand-receptor interactions. This involves using a combination of computation tools, cell based and analytical chemistry techniques for discovery and validation phase respectively.

Outside of science, she is an avid musician and a singer.

PROGRAM AFFILIATIONS

- SPARK at Stanford

PROFESSIONAL EDUCATION

- PhD, University of Ottawa , Chemistry (2023)

STANFORD ADVISORS

- Eugene Butcher, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **A lymphocyte chemoaffinity axis for lung, non-intestinal mucosae and CNS.** *Nature*
  Ocón, B., Xiang, M., Bi, Y., Tan, S., Brulois, K., Ayesha, A., Kunte, M., Zhou, C., LaJevic, M., Lazarus, N., Mengoni, F., Sharma, T., Montgomery, et al
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