

Camil Gosmanov

email@camil.bio ❖ Oklahoma City, OK

EDUCATION

University of Oklahoma College of Medicine 2024-2028
MD, Medicine

University of Oklahoma Honors College 2018-2024
BS, Computer Science GPA: 4.0
BS, Chemical Biosciences GPA: 3.9
BA, Economics GPA: 4.0

- 3.97/4.00 Cumulative GPA, Summa Cum Laude
- Studied abroad in 2019 with OU Honors at Brasenose College, University of Oxford

EXPERIENCE

Pan Lab at OU May 2024 – Present
Graduate Researcher Norman, OK

- Implemented deep learning methods to discover critical molecular pathways that determine lung cancer outcomes using single cell genomic data.

Public Health Initiative at OU Aug 2019 – May 2023
President Norman, OK

- Led student-focused public health solutions club at the University of Oklahoma to optimize implementation of public health resources through team-based research projects.
- Team projects included: Vaping Awareness (2019), COVID-19 (2021), Nutrition (2022), Mental Health (2023).

McCall Lab at OU Jan 2019 – Jan 2022
Undergraduate Researcher Stephenson Research and Technology Center

- Utilized molecular networking data to discover pathogenic mechanisms in tropical parasitic diseases. (*Leishmania and Trypanosoma cruzi*)
- Managed parasite maintenance, mass spectrometry sample extraction, and resulting data analysis.

RESEARCH

Frontiers in Mass Spectrometry-Based Spatial Metabolomics: Current Applications and Challenges in the Context of Biomedical Research Jun 2024
Co-Primary Author Published in Trends in Analytical Chemistry

- Review chapter exploring use cases of mass spectrometry techniques to analyze small molecule metabolites.

Impact of Visceral Leishmaniasis on Local Organ Metabolism in Hamsters Aug 2022
Co-author Published in Metabolites

- Explored pathways of parasite tropism in hamsters by analyzing metabolites using liquid chromatography mass spectrometry.

Mapping of host-parasite-microbiome interactions reveals metabolic determinants of tropism and tolerance in Chagas disease Jul 2020
Co-author Published in Science Advances

- Contributed to mass spectrometry data analysis involving exploration of pathogenic mechanisms of *T. cruzi*.

ADDITIONAL INFORMATION

- Website: camil.bio
- LinkedIn: [linkedin.com/in/camilg](https://www.linkedin.com/in/camilg)
- Github: github.com/camilgosmanov