

Contact

kmanna@ualr.edu

www.linkedin.com/in/kanishka-manna (LinkedIn)

Top Skills

Data Analysis

Nextflow

Data Integration

Languages

English (Native or Bilingual)

Hindi (Native or Bilingual)

Bengali (Native or Bilingual)

Certifications

Cognitive Class Python 101 for Data Science

Fundamentals of Deep Learning

Python for Data Science

Fundamentals of Deep Learning for Computer Vision

Honors-Awards

Outstanding Doctoral Student Award

Publications

Multi-omics data integration reveals correlated regulatory features of triple negative breast cancer

Proteogenomics analysis to identify acquired resistance-specific alterations in melanoma PDXs on MAPKi therapy

Short-Term Metformin Treatment Enriches *Bacteroides dorei* in an Obese Liver Steatosis Zucker Rat Model

Kanishka Manna, PhD

Postdoctoral Scholar at University of Nevada, Reno
Reno, Nevada, United States

Summary

I am a Postdoctoral Scholar (Bioinformatics) focused on developing computational tools/pipelines and analyzing complex multi-omics data to gain deeper insights into biological systems. My expertise spans proteogenomics, high-throughput next generation omics, and microbiome research, where I apply bioinformatics methods to uncover novel biological mechanisms, identify biomarkers, and enhance our understanding of disease processes.

My research integrates genomic, transcriptomic, and proteomic data. I am currently advancing single-cell omics research. I am also passionate about leveraging data-driven approaches to address complex biological questions, applying both analytical rigor and creativity to my work.

Experience

University of Nevada, Reno
Postdoctoral Scholar
October 2024 - Present (9 months)
Reno, Nevada, United States

University of Arkansas for Medical Sciences
Research Assistant
August 2020 - December 2023 (3 years 5 months)
Little Rock, Arkansas, United States

University of Arkansas at Little Rock
Research Assistant
September 2019 - August 2020 (1 year)
Little Rock, Arkansas Area

R. G Kar Medical College & Hospital
Research Intern
June 2016 - August 2016 (3 months)

Kolkata, India

Research Project :

Glycated Haemoglobin for the Diagnosis of Diabetes Mellitus and to Determine
Estimated

Average Glucose Concentration.

Education

University of Arkansas at Little Rock

Doctor of Philosophy - PhD, Bioinformatics · (2019 - December 2023)

University of Arkansas for Medical Sciences

Doctor of Philosophy - PhD, Bioinformatics · (September 2019 - December
2023)

Vijaygarh Jyotish Ray College

Master of Science (M.Sc.), Microbiology · (2015 - 2017)

University of Calcutta

Bachelor of Science (B.Sc.), Microbiology · (2012 - 2015)