Stanford



Tao Wang (##)

Director of Precision Diabetes Care, Genetics

SUPERVISORS

- Michael Snyder

Bio

BIO

Dr. Tao Wang received his PhD in Computer Science from North Carolina State University in Dec, 2019. His PhD thesis was in the High Performance Computer Architecture and Optimizing Compiler under the guidance of Dr. Frank Mueller, a world-leading expert in High Performance Computing and Real-time System.

Driven by a profound love for the Natural Sciences, Dr. Wang joined the Snyder Lab at the Stanford School of Medicine as a research staff member. His current research leverages his expertise in Computer Science, Data Science and Genetics to explore the basic mechanisms and clinical solutions of Neurodegenerative Disorders and Diabetes. His growing research toolkit features Multimodal AI/ML, Wearables, and Multiomics. At Stanford, he is mentored by Dr. Anna Girsen and Dr. Michael Snyder.

Dr. Wang firmly believes that Multimodal AI-driven Precision Medicine is the future medicine for all humankind and he is determined to make significant contributions to this field.

CURRENT ROLE AT STANFORD

Principal Investigator, AI for Precision Diabetes Management

Project Manager & Scientific Co-lead, PsychENCODE Project

Project Initiator & Clinical Co-lead, Long COVID Clinical RCT with TCM

Project Initiator & Manager, AI & Wearables Toolkit for Biomedical Sciences

ENCODE and PsychENCODE Project Data Manager

Research Scientist, US Veteran Affairs Hospital

SCGPM HPC System Administrator

INSTITUTE AFFILIATIONS

- Member (Postdoc), Cardiovascular Institute
- Member, Maternal & Child Health Research Institute (MCHRI)

HONORS AND AWARDS

- Distinguished Employee, Department of Genetics, Stanford (2020)

EDUCATION AND CERTIFICATIONS

- Ph.D., North Carolina State University , Computer Science (2019)

LINKS

- My Google Scholar: https://scholar.google.com/citations?user=hHiuCpIAAAAJ

Professional

PROFESSIONAL INTERESTS

Computer Science, Data Science, NeuroScience, Data-driven Precision Medicine, Education, Linguistics, Science Philosophy, Science Sociology

SKILLS AND EXPERTISE

Information Technology

- Artificial Intelligence (AI)
- Data Management
- Lab Technologies
- Leadership
- Project Management
- Research Computing