

# Postdoctoral Researcher - AI for Biomedical Data

**Department:** Gilbert S. Omenn Department of Computational Medicine and Bioinformatics (DCMB) & Medical School, University of Michigan

**Location:** Ann Arbor, MI

**Position Type:** Postdoctoral Researcher (Full-time)

**Contact:** kailiua@umich.edu | Subject line: "Postdoctoral Researcher Application – AI for Biomedical Data"

## POSITION OVERVIEW

We are seeking a highly motivated Postdoctoral Researcher to join our interdisciplinary lab in the Medical School at the University of Michigan, working at the intersection of AI and biomedicine.

## RESEARCH FOCUS

- AI / machine learning for biomedical data
- Foundation models for multi-omics and clinical data
- Multimodal data integration (genomics, imaging, clinical)
- Data-driven disease research (e.g., Type 1 Diabetes)

## RESPONSIBILITIES

- Develop advanced AI models (deep learning, foundation models)
- Analyze large-scale biomedical datasets
- Collaborate with interdisciplinary teams
- Contribute to publications and mentoring

## QUALIFICATIONS

Required:

- PhD in CS, Data Science, Bioinformatics, or related field
- Strong AI/ML background and Python skills
- Experience with PyTorch or TensorFlow

Preferred:

- Experience with foundation models or large-scale data
- Familiarity with biomedical data

## WHY JOIN US

- Work on cutting-edge AI with real-world biomedical impact
- Access to rich multimodal datasets
- Collaborative, interdisciplinary environment

## APPLICATION

Please send CV, research statement, and publications (if available).

Interested candidates may consider postdoctoral fellowship through MIDAS:  
<https://midas.umich.edu/training/postdoctoral-programs/>