



University of Rochester

**Post-Doctoral Position:
Health Humanities and Bioethics,**

Translational Research for Augmented Decision-Making (TRIAD) Project

PROJECT: The TRIAD (Translational Research for Implementation of Augmented Decision-making) project is housed within the University of Rochester Clinical and Translational Science Institute (CTSI), under the leadership of Dr. Jonathan Herington, Director of Translational Ethics. The project addresses critical barriers to the successful implementation of artificial intelligence-driven clinical decision support (CDS) tools in healthcare settings. Our work focuses on three interconnected challenges: (1) the absence of clear guidelines for *researchers* conducting implementation trials of AI decision support systems, (2) the misalignment between AI recommendations and individual *patient* values and risk preferences, and (3) *clinician* mistrust stemming from opaque, fragile, and overconfident AI systems.



TRIAD brings together a multi-disciplinary team from bioethics, computer science, health informatics, implementation science, and community engagement to develop a comprehensive toolkit for responsible AI implementation. The project involves creating governance frameworks for the conduct of implementation trials, conducting extensive qualitative and quantitative research to understand patient and clinician perspectives on AI trustworthiness, and developing novel computational methods for aligning AI recommendations with patient values. Our partnership with Common Ground Health ensures robust community engagement throughout the research process.

Over the course of the project, we will produce practical resources including implementation guidelines, preference elicitation tools, computational methods for robust AI decision-making, and validated measures of AI trustworthiness.

JOB DESCRIPTION: Under the direction of Dr. Jonathan Herington, the postdoctoral scholar will play a central role in the TRIAD project's community engagement and implementation science activities. The postdoc will design, conduct, and analyze qualitative research while receiving advanced training in translational ethics, implementation science, and community-engaged research methods.

Primary responsibilities include leading the qualitative data collection and analysis for patient and clinician stakeholder engagement, including conducting semi-structured interviews to identify

considerations relevant to patient trust in AI decision support tools, and facilitating focus groups with clinician stakeholders to understand barriers and facilitators to AI implementation. Additionally, the postdoc will coordinate with Dr. Herington and Common Ground Health on the administration of the Community Advisory Board and the delivery of community learning exercises on AI in healthcare. In future years, the postdoc may work closely with Dr. Herington to support the development, administration, and analysis of surveys examining patient risk preferences and AI trustworthiness.

The postdoc may develop new ideas to further current research and will prepare writing and figures for scientific manuscripts. They may also train and supervise other research staff and students. The initial appointment is for one year, with renewal possible for up to three additional years if performance is high quality and funds are available.

We are particularly interested in candidates with research experience in qualitative methods (interviews, focus groups), and/or community-engaged research. Experience with human subject research ethics, AI ethics, or survey design is a plus. Familiarity with healthcare settings and the ability to communicate effectively with many different stakeholders—including patients, clinicians, and community members—is essential. This position is available immediately.

QUALIFICATIONS: Research doctoral degree or equivalent (Ph.D., ScD.) in Philosophy, Bioethics, Anthropology, Political Science, Public Policy, Public Health, and/or related field. Excellent scientific writing and oral communication skills, proven ability to present and publish research data, and ability to work effectively with colleagues are required.

LOCATION: The laboratory is within the Department of Health Humanities and Bioethics at the University of Rochester (UR). The Department of Health Humanities and Bioethics is a natural outgrowth of the school's signature biopsychosocial model. We are a multidisciplinary department focused on active engagement and scholarly contributions to an ethical, just, and humanistic health care, and for education and training in health humanities and bioethics.

Rochester is an affordable city of 200,000 people in upstate New York with easy access to the Finger Lakes Region. By car, 1 hour from Buffalo, 3 hours from Toronto, and 5 hours from New York City. The University of Rochester has an active Postdoc Association that provides a highly enriched environment for postdocs including career development workshops and social opportunities to get to know other postdocs. More information about postdoc activities and opportunities are available on this webpage: <https://ccc.rochester.edu/pda/home/>

The University is committed to fostering and supporting a workplace culture inclusive of people regardless of their race, ethnicity, national origin, gender, sexual orientation, socio-economic status, marital status, age, physical abilities, political affiliation, religious beliefs or any other non-merit fact, so that all employees feel included, equal valued and supported.

Please send CV and cover letter to jonathan.herington@rochester.edu