Translational and Clinical Pharmacology – Research – Assistant/Associate Professor

The Division of Translational and Clinical Pharmacology at Cincinnati Children's Hospital Medical Center (CCHMC) is actively recruiting a tenure-track faculty member at the Assistant or Associate Professor level. We are seeking a collaborative, innovative, and mission-driven scientist or physician-scientist whose translational research advances pediatric precision medicine, with a focus on optimizing drug safety and efficacy through approaches such as pharmacogenomics, multi-omics, advanced non-invasive new approach methodologies (NAMs), pharmacometrics, and artificial intelligence (AI)-driven drug therapy optimization.

This position is part of an ambitious strategic expansion to establish the division as a national leader in patient-centric pediatric clinical pharmacology. New faculty will contribute to an environment rich in collaborative research, training, and real-world translation to optimize therapies for children.

Key Responsibilities:

- Research Leadership: Develop and lead an independent, extramurally funded research program aligned with our focus on mechanisms of drug disposition, safety, and efficacy, with a strong emphasis on clinical translation. The successful candidate is expected to specialize in one or more of the following areas: pharmacogenomics, multi-omics, advanced non-invasive NAMs, pharmacometrics, PBPK/PKPD/QSP modeling, drug-drug interaction, gene-exposome interaction, biomarker discovery, and AI-enhanced therapeutic optimization to inform individualized therapy and improve clinical outcomes.

- Collaboration and Team Science: Collaborate across divisions within CCHMC and the University of Cincinnati to integrate translational science with clinical applications in pediatric pharmacology. Engage with national and international partners, regulatory agencies, and industry stakeholders.

- Education and Mentorship: Participate in teaching and training activities for medical and graduate students, postdocs, and fellows. Contribute to curriculum development in pediatric pharmacology, AI in medicine, and systems modeling.

- Service and Leadership: Serve on institutional, national, or international committees; contribute to workshops, symposia, and thought leadership in the field of pediatric precision pharmacology.

Required Qualifications:

- PhD, PharmD/PhD, or MD/PhD in pharmacology, systems biology, bioinformatics, biomedical engineering, or a related field.

- A strong track record or demonstrated potential for federal funding (e.g., NIH, FDA, NSF).

- Evidence of research in pharmacogenomics, pharmacometrics, systems pharmacology, biomarker discovery, or AI-driven modeling.

- Experience with or interest in pediatric populations and patient-centric approaches to drug development and safety.

- Strong communication skills and a collaborative mindset.

Preferred Qualifications:

- Experience with PBPK/PKPD/QSP modeling platforms, multi-omics integration, or translational bioinformatics and big data analysis.

- Familiarity with regulatory science or industry-academic partnerships.

- A passion for mentoring and contributing to the academic community.

What We Offer:

- A supportive, interdisciplinary research environment with state-of-the-art infrastructure in omics, bioinformatics, and pharmacometrics.

- Opportunities to shape nationally recognized training programs (T32, K12, certificate programs).

- A collaborative culture at a top-ranked pediatric academic medical center.

- Access to robust clinical data resources, biorepositories, and high-impact collaboration networks.

- Competitive startup packages, protected research time, and comprehensive benefits.

About the Division:

The Division of Translational and Clinical Pharmacology at CCHMC is driving the next generation of pediatric pharmacotherapy by integrating genomics, proteomics, metabolomics, and advanced modeling approaches. With a strategic focus on non-invasive, AI-powered prediction models and a commitment to real-world application, we aim to transform how drug safety and efficacy are optimized for children and young adults.

To apply, please send a letter of interest, including information on research, education, leadership, and diversity and a Curriculum Vitae to Nathan Gohlke, Nathan.Gohlke@cchmc.org, Talent Acquisition Physician Faculty Recruiter.