Postdoctoral Research Fellow – Cardiovascular Regeneration / Cardiovascular Stem Cell Biology

University of Illinois at Chicago

The laboratory of Dr. Jalees Rehman at the University of Illinois at Chicago is seeking to fill a Postdoctoral Research Fellow position in cardiovascular regeneration and stem cell biology. One of the main goals of the Rehman laboratory’s research program (http://mcph.uic.edu/rehman/) is to studying mechanisms of cardiovascular regeneration and to use induced pluripotent stem cells (iPSCs) to model cardiovascular disease. All candidates must have a PhD or equivalent doctoral degree in the biological or biomedical sciences, as well as experience working in two or more of the following areas: 1) stem cell biology, 2) epigenetic or transcriptional regulation, 3) animal models of cardiovascular disease, 4) RNA-Seq or ChIP-Seq analysis, 5) lineage tracing of cardiovascular regeneration in vivo and 6) cellular metabolism.

All candidates must have published at least one first-author original research article accepted for publication in a leading peer-reviewed journal. The successful applicant will develop a research project studying induced pluripotent stem cell differentiation into cardiomyocyte and vascular lineages as well as assess their function and fate in vivo. The position is ideally suited for an enthusiastic post-doctoral scientist who wants to pursue a career in academic research and develop expertise in multidisciplinary research.

Our institution offers a dynamic, multidisciplinary environment with close interaction with other basic and clinical scientists. The laboratory of Dr. Rehman is part of the Department of Pharmacology, the Department of Medicine, the Department of Bioengineering and the UIC Stem Cell and Regenerative Medicine Center. All laboratory members have access to state-of-the-art research equipment including super-resolution microscopy and single cell RNA-Seq which enable our researchers to conduct high-impact work and significantly advance the field.

Minimum degree and field of knowledge: PhD or equivalent doctoral degree in molecular biology, physiology, pharmacology, stem cell biology or a related field. An ideal candidate would have extensive experience in cardiovascular differentiation of stem cells, animal models of cardiac disease as well as expertise in the use of confocal microscopy, flow cytometry, and molecular biology (qPCR, cloning, immunoprecipitation, western blotting). Expertise in epigenetics and high throughput sequencing (ChIP-seq, ATAC-seq, DNA methylation, RNA-seq) would be very valuable.

Salary will be commensurate with relevant experience and is competitive for postdoctoral research fellows.

Interested candidates should submit a CV with the names of at least two references to Dr. Jalees Rehman (jalees@uic.edu), by August 31, 2018.

The University of Illinois may conduct background checks on all job candidates upon acceptance of a contingent offer. Background checks will be performed in compliance with the Fair Credit Reporting Act.

The University of Illinois at Chicago is an Equal Opportunity, Affirmative Action employer. Minorities, women, veterans and individuals with disabilities are encouraged to apply.