OKLAHOMA MEDICAL
RESEARCH FOUNDATION
825 Northeast 13th Street
Oklahoma City, OK 73104
405-271-6673

OMRF.org

Postdoctoral Positions in Vascular Metabolism

The laboratory of Dr. Pengchun Yu in the Cardiovascular Biology Research Program at the Oklahoma Medical Research Foundation (OMRF) is seeking **postdoctoral scientists** to investigate the metabolic regulation of vascular formation and its implications in vascular diseases.

The laboratory focuses on the interface between cellular metabolism and vascular biology. We have recently demonstrated that MYC/hexokinase 2 pathway-driven glucose metabolism in endothelial cells controls blood and lymphatic vessel formation dependent on fibroblast growth factor receptor (FGFR) signaling (**Yu et al., *Nature*, 2017**). Research projects of the laboratory will be built upon this important finding to further study the crosstalk between metabolic programs and angiogenic signaling events and to understand the involvement of cellular metabolism in the pathogenesis of vascular diseases. Multidisciplinary strategies will be employed, ranging from novel genetically-modified mouse models to cutting-edge systems biology tools including metabolomics and single-cell transcriptome analysis.

OMRF is an independent, nonprofit biomedical research institute. The innovative basic and translational research at OMRF covers several critical areas such as cardiovascular disease, autoimmune disease, and cancer. OMRF has made The Scientist magazine's annual list of the "Best Places to Work for Postdocs" for many years. The institute offers postdoctoral fellows an exceptional research and training environment with state-of-the-art facilities and outstanding core technology laboratories including imaging, next-generation sequencing, and clinical genomics. Moreover, postdoctoral scientists are encouraged to apply for OMRF Postdoc Travel Awards to support their attendance at meetings or workshops.

Applicants should have a Ph.D. or M.D. (or expect to receive a doctoral degree soon), possess excellent experimental and communication skills, and demonstrate solid training in cell biology, biochemistry, developmental biology, or mouse genetics with scientific publications. Previous research experience in metabolism is a plus but is not required. In addition to highly competitive salaries and comprehensive benefits, the successful candidates will be provided with strong support for developing an independent research career after postdoctoral training.

Please send (1) a cover letter describing your previous training, research accomplishments, and future research interests, (2) your curriculum vitae, and (3) contact information of three references to Dr. Pengchun Yu at Pengchun-Yu@omrf.org.

Contact Information:

Pengchun Yu, Ph.D.
Assistant Member/Principal Investigator
Cardiovascular Biology Research Program
Oklahoma Medical Research Foundation
825 NE 13th St., Oklahoma City, OK 73104