



**Postdoctoral Scholar Position in Biomedical Research Related to Polycystic
Kidney Disease (PKD)
University of Maryland School of Medicine**

Applicants are sought for a 2-3-year, extendable, full-time postdoctoral position based in the Division of Nephrology at the University of Maryland School of Medicine. We are studying the molecular mechanisms underlying the vascular complications of autosomal dominant polycystic kidney disease (PKD).

PKD is a common genetic cause of renal failure. Vascular aneurysms are the most feared complication of ADPKD outside of kidney disease because they are a significant cause of morbidity and mortality. We have recently discovered that the genes responsible for PKD have important functions in both endothelial cells and vascular smooth muscle cells and are required for lymphatic development. The goal of the project is to understand the signaling pathways that are defective when PKD genes are deleted in these cell types.

The postdoctoral researcher will join a vibrant group of investigators who apply a broad range of methods and approaches to investigate PKD at biochemical, biophysical, cell biological and whole organism levels. The research environment is highly interactive with many opportunities to contribute to related projects. We place great emphasis on mentorship and career development. In addition, we are part of a newly forming Kidney Discovery and Translational Research Center (KDTRC) at the University of Maryland that fosters interdisciplinary research in renal biology.

The laboratory is located in the state-of-the art Baltimore PKD Research and Clinical Core Center, supported by the National Institute of Diabetes and Digestive and Kidney Diseases and by the University of Maryland School of Medicine.

Requirements include a Ph.D., M.D. (or equivalent) in cellular and molecular biology or a related discipline. Desirable skills include expertise in vascular biology, experience with mouse models, histology, microscopy, cell culture, biochemistry and molecular biology methods. Must be able to conduct research collaboratively with a diverse group of investigators who enjoy working together.

Interested applicants should email **Dr. Watnick** at twatnick@som.umaryland.edu and include the following information:

- A curriculum vitae including a list of all publications.
- A concise summary of research accomplishments.
- Three references with contact information.