



Postdoctoral Fellowship Opportunity

Dr. Kazuyo Kegan, Ph.D., at the Johns Hopkins University School of Medicine, Department of Anesthesiology and Critical Care Medicine, is seeking qualified applicants for postdoctoral fellowship positions. The overall focus of the Kegan lab is to understand the mechanisms, regulation, and functional outcomes of immune responses in the pulmonary vasculature during the development of pulmonary hypertension.

Postdoctoral fellow(s) will work on projects to determine how aberrant immune and inflammatory responses in the pulmonary vasculature, particularly those caused by activated macrophages, develop and contribute to the evolution of vascular remodeling and right heart failure. To elucidate these mechanisms, fellows will use *in vivo* animal models, genetically modified animals, *in vitro* cell biology, immunohistochemistry, and genetic and biochemical approaches.

A successful candidate will use basic science approaches to address clinically relevant issues within a multidisciplinary team that includes clinician scientists and biomedical engineering groups. In addition, he/she will have opportunities to use cutting-edge techniques such as sophisticated live cell imaging, highly specialized techniques for isolation and culture of primary cells *in vitro*, and analysis of pulmonary vascular physiology and/or hemodynamics *in vivo*.

Candidates should have a recent PhD degree (or equivalent) with a background in physiology, cell and molecular biology, biomedical science, or pharmacology. A strong publication record is also recommended. Individuals with experience in vascular/macrophage biology, immunology, or animal studies will be given preference. We value self-motivated, enthusiastic, and collaborative team members. Salary follows the NIH standard and is commensurate with qualifications and experience.

Interested individuals should submit a cover letter (1-2 pages) containing a summary of their prior work, research interests, and career goal along with a CV and information for 3 references as a single pdf to:

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