Open Postdoctoral Fellowship Positions

2 postdoctoral fellowship positions in Cardio- and Pulmonary Vascular Research at Stanford University, USA

Faculty Mentor Name: Edda Spiekerkoetter, MD
Assistant Professor of Medicine
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Our laboratory is interested in pulmonary vascular diseases with an emphasis on the pathogenesis and treatment of pulmonary arterial hypertension (PAH), right heart failure, arteriovenous malformations and the role of the Bone Morphogenetic Protein Receptor 2 (BMPR2) signaling in these diseases.

We are using 3-D deep tissue imaging, lineage tracing and single-cell RNA sequencing techniques to answer questions about the molecular and anatomic structure of blood vessels as well as the extracellular matrix in health and disease. Using high-throughput technology as well as novel computational analyses of publicly available gene expression data sets, we identify and test compounds for their therapeutic effect in the above mentioned disease models.

Qualifications:
We are looking for highly motivated postdoctoral candidates with a PhD, MD, or MD/PhD, and an established track record in vascular biology. The strongest candidates will have a working knowledge in primary cell culture, expertise in a range of molecular and biochemical assays including RNA isolation, qRT-PCR, transfection (siRNA, adenoviral vectors), western blotting, confocal microscopy as well as experience with small animal surgery (Measurement of RVSP, flow/volume loops).

Excellent verbal and written communication skills are required, and the ability to work independently as well as cooperatively with a team.

For the right candidate this is an exciting opportunity to join a junior faculty in unraveling novel pathways in pulmonary vascular diseases that could be targeted for treatment.

Desired Start Date: 5/2018 and 7/2018
Appointment term: 2 years, option to extent

Interested applicants should send their curriculum vitae and a short statement describing previous research experience, future goals and contact information of three referees to E. Spiekerkoetter, MD – eddas@stanford.edu.

Stanford University is an affirmative action and equal opportunity employer, committed to increasing the diversity of its workforce. It welcomes applications from women, members of minority groups, veterans, persons with disabilities, and others who would bring additional dimensions to the university's research and teaching mission.