Post-doc in zebrafish lymphatic vessels development - Uppsala, Sweden

2 postdoctoral positions are available in laboratory of Kaska Koltowksa at the Department of Immunology, Genetics and Pathology (IGP) at Uppsala University.

Uppsala University:

The University is one of the top universities in Sweden and well recognised world-wide. There are many high-quality departments at the University, including my host Department: Immunology, Genetics and Pathology (IGP). IGP is known for its excellence in multidisciplinary research as it consists of divisions covering a wide spectrum of research areas. The Vascular Biology programme is part of IGP, and hosts world-leading vascular biologists. Such strong expertise in vascular biology in one place is unique to Uppsala University, and provides an excellent working environment.

Lymphangiogenesis Lab:

Our research group studies lymphatic vessel formation in zebrafish, as a main model system. Lymphatic vessels are predominantly derived from a defined venous, vascular network, posing an intriguing question of how cells know to form one vasculature from another. The overarching goal of my lab is to broaden our understanding of how lymphatic vessels form and establish function; and apply this knowledge to the development of new therapeutics. To achieve this my lab will focus on two major areas: (1) Understanding lymphatic specification and (2) Transcriptional control of lymphangiogenesis.

Zebrafish are an excellent model organism that allow the study of how these processes happen in real time, in an embryo. Using elegant genetic models, we can dissect the molecular factors that drive organogenesis. The main techniques used in the lab include advance microscopy, RNA sequencing, mutant and transgenic line generation.

We are a young lab that is currently supported by multiple Swedish funding agencies.

For further details visit:
https://koltowskalab.com/ or http://www.igp.uu.se/research/vascular-biology/kaska-koltowska/

Qualifications required:

Applicants should be highly motivated and passionate about scientific research, possess a PhD degree, and strong track-record with peer-reviewed publications.

Position 1: Expertise in molecular and cellular biology, genetics techniques and animal models. Good knowledge of microscopy.

Position 2: Expertise in bioinformatics, large data set analysis including RNA sequencing. Knowledge in biology will be a strong advantage.

How to apply:

Please apply by sending short motivation letter (including research interest and career goal), CV, contact details for three references to: kaska.koltowska@igp.uu.se