

Ph.D. and master's thesis projects in Vascular biology

Our newly established research group has open positions for doctoral candidates who are motivated to investigate key open questions in the field of:

- Architecture/patterns of biological networks
- Vascular biology
- Adaptive immunology
- Heterogenous cell-cell interactions

We use state-of-the-art imaging methods and collaborate world leading experts to 1. characterize the architecture of the lymphatic capillary networks and the causative molecular mechanisms and 2. identify the lymphatic endothelial determinants of antigen presenting dendritic cell transmigration across the lymphatic capillary endothelium. For an introduction, see Vaahtomeri et al. 2017, Cell reports and Vaahtomeri et al. 2017, Genes and Development.

Experience in cell culture, mouse models and/or image analyses are beneficial but not required.

The work is supervised by principal investigator doc. Kari Vaahtomeri. Our laboratory is located in Translational Cancer Biology Program, Research Program Units, Biomedicum Helsinki, Faculty of medicine, University of Helsinki and Wihuri research institute (<https://www.helsinki.fi/en/faculty-of-medicine/research-programs-unit> and <http://www.wri.fi>). We offer a dynamic young research group, which is located next to established world class vascular biology research groups. Lab seminars, research program seminars and Biomedicum seminar series guarantee that you will hear about the work of the local fellows, but also world leading experts.

Dead line for applications is 16th of September 2018. Please, enclose a CV and a short motivation letter with your application. Send applications and/or questions to: kari.vaahtomeri@helsinki.fi.

The project can be started also as master's thesis work (Pro-Gradu).

Best regards,
Kari Vaahtomeri