

Postdoctoral scholarship in real-time sensing of in vitro neural systems

The Herland research group at KTH Royal Institute of Technology and Karolinska Institute has an open position for a postdoctoral scholarship (1 + 1 year) in the Wallenberg funded project: **Organs-on-Chips for Translational Research in Brain Disease**. This project will be focusing on inborn errors of metabolism in children combining neural models with real-time sensing of neural function, barrier function and metabolic activity. Conventional cell culture, as well as microfluidic Organ-on-Chip methods will be applied. The post doc scholarship will focus on developing sensors in Brain-on-Chip systems.

The successful candidate must hold (or soon hold) her/his PhD degree in electrical engineering bioengineering, medical engineering or neuroscience obtained no later than five years prior to starting the position. The candidate must have significant research laboratory experience, and an excellent record of publications. At least one first author publication is a requirement.

Specialization in electrophysiology, neurobiology as well as microfluidics is highly valued.

The successful applicant should have an overall outstanding academic track record, and well developed analytical and problem-solving skills. We are looking for a strongly motivated person, who is able to work independently. Good command of English orally and in writing is required.

For more info about the group visit www.herlandlab.com

Apply to aherland@kth.se

1. CV including your relevant professional experience and knowledge.
2. Copy of the degree certificate(s) and transcripts of records from your previously attended university-level institutions. Translations into English or Swedish if the original documents are not issued in one of these languages.
3. Statement of purpose: what are your academic interests, how they relate to your previous studies and future goals; maximum 2 pages long.
4. Representative publications or technical reports: Documents no longer than 10 pages each. For longer documents (e.g. theses), please provide a summary (abstract) and a web link to the full text.
5. Contact information for two reference persons. We reserve the right to contact references only for shortlisted candidates.