

Postdoctoral position

Single-cell biology of the mammalian nervous system

The lab of professor Sten Linnarsson at Karolinska Institute, Sweden, **seeks two postdoctoral fellows**, to work on the single-cell biology of the mammalian nervous system. The positions are fully funded (2+2 years) including salary and generous project funding.

The Linnarsson Lab offers **an excellent environment at the forefront of science**. We are creative, generous, intellectually curious. We publish great papers in top journals, but we don't do science for the glory, or for the competition, or for the money. We do it because we enjoy the intellectual challenge, **we seriously want to ask deep questions**, and we think we can make a very small dent in the universe of human knowledge. In our everyday work, we bring the answer to a tiny detailed question, but in our minds that question is linked to a chain of others all the way back to the fundamental questions of human nature.

We work together and complement each other. We're embedded in the highly collaborative division of Molecular Neurobiology, department of Medical Biochemistry and Biophysics, with access to **state of the art equipment** and expertise (imaging, electrophysiology, animal models, genetic engineering, ...). Our workplace is international, majority non-Swedish, welcoming of all cultures, using English as our common language.

The **ideal candidate** combines a deep understanding of **developmental neuroscience** (specification of cell types by transcription factors, anatomy and morphogenesis), experience handling animals and cells (dissection, dissociation, cell culture), **advanced molecular biology** (method development, RNA isolation, preparation of samples for omics analyses such as RNA-seq, ATAC-seq or similar), **single-cell analysis**, and **computational biology** (Python, machine learning, Bayesian statistics, visualization).

We seek candidates who are driven, determined, dedicated, self-motivated, honest, critical, open-minded and not easily fooled (including by themselves). You **want to become an independent scientist**, and you have decent social and leadership skills. You enjoy supervising younger students, and you are not afraid to speak your mind. **You're smart, and you enjoy working in a team with people smarter than you.**

Several projects are available, focusing on **understanding the cellular and molecular composition of the nervous system**, its development and the underlying regulatory mechanisms, using single-cell methods. We support the international Human Cell Atlas Initiative, and we're enthusiastic about creating an atlas of human brain development.

To apply, please send an email to research coordinator Anna Johnsson (Postdoc.LinnarssonLab@mbb.ki.se) with the subject "Postdoc 2017". Include your CV, a short introductory letter and three personal references. Please include a list of published papers, publically available code (e.g. GitHub) and a statement of your research interests and motivations.

For more information, please visit linnarssonlab.org and ki.se.