



CAMPUS GROSSHADERN  
CAMPUS INNENSTADT

STELLENANGEBOT

## PhD studentships in genomic analysis of aging brain (f/m/d)

### Description:

The Gokce group (<https://www.gokcelab.com>) is interested in the molecular mechanisms driving the aging. We are focused on how brain cells interact with immune system, how are these interactions altered during aging and their role in the aging process. Our research group has expertise in single-cell genomics and spatial transcriptomics (Neuron 2021 & 2020, Science 2020). We are looking for a team member to join our ongoing projects applying single-cell omics to study aging nervous system. The successful candidate will be integrated in a multidisciplinary team comprising computational, molecular and cellular biologists.

Our lab is located at the brand new and fully equipped ISD building in the biomedical science campus and is a member of Chan Zuckerberg's Initiative Neurodegeneration Challenge Network, the DFG-funded Collaborative Research Center (SFB-TRR 274) and the "SyNergy" Cluster of Excellence. We aim to build a more inclusive, just, and healthy research environment to build healthy future for everyone.

### Qualifications:

We accept applications from highly motivated, collaborative candidates who have an interest in single-cell genomic analysis of the brain. We are looking for one molecular biologist who will run molecular biology experiments and another PhD student for computational analyses.

For the molecular biology PhD position, candidate should have a master's degree in biology, biochemistry, or molecular biology, and experience in molecular biology techniques.

For the computational position a master's degree related to bioinformatics either in biology or any quantitative sciences. It is important to have good programming skills (python, or R, or shell scripts). An experience on next generation sequencing data is highly desired.

### Application Details:

Applications should include:

- 1- A personal letter highlighting previous scientific accomplishments and why the candidate is interested in joining the host lab (no more than one page)
- 2- A curriculum vitae, certificates,
- 3- Reference letters if available

Please send your application as one PDF-document to Dr. Ozgun Gokce. E-Mail: [ozquengoekce@gmail.com](mailto:ozquengoekce@gmail.com)

Women are especially encouraged to apply. Applicants with disabilities and equal qualifications will be given preferential treatment.