

## Postdoctoral position in the Siegert lab

We are searching for a highly-motivated colleague with a strong background in bioinformatics who is enthusiastic to join our research team.

The Siegert group is at the intersection of neurobiology and immunology research. We are interested in the question how neurons and immune cells interact with each other on both the functional and transcriptional level. The postdoctoral project aims to investigate immune cell-specific transcriptional variability on a spatial-temporal level in selected brain regions. We expect the candidate to establish and implement a workflow for processing large transcriptional datasets, including best practices in scientific software (such as version control, unit tests and automated documentation), statistical analysis and data visualization.

The ideal candidate should exhibit critical thinking skills, an independent work ethic and the motivation to implement novel and useful bioinformatic tools into the research workflow. This project provides a unique opportunity to work in a cross-disciplinary environment. Close collaboration among the candidate and the neurobiologists and immunologists in the Siegert group will be instrumental to create an analytic workflow that is statistically efficient and biologically relevant.

### Job requirements:

The successful candidate has experience in analyzing next generation sequencing data, including statistical analysis, and obtained a *Ph.D.* in computational biology, bioinformatics, applied mathematics, statistics, or related disciplines. In addition, the project requires:

- Expertise in processing and management of large datasets
- Proficiency in programming languages such as R or Matlab
- Excellent communication and presentation skills
- Ability to work closely with scientists of other disciplines
- Research experience in single-cell RNA sequencing is a plus

Interested candidates should send a cover letter outlining the motivation, a CV, and the name of three references to [sandra.siegert@ist.ac.at](mailto:sandra.siegert@ist.ac.at). Applications will be reviewed on a rolling basis until the position is filled. Start date is flexible.