

Research Assistant/Laboratory Manager (m/w/d) in Single-Cell Biology

At the Institute for Systems Immunology at Julius Maximilians University Würzburg, a full-time position as research assistant / laboratory manager (m/w/d) is to be filled as soon as possible in the research group "Quantitative Single-Cell Biology of the Immune System". The position is eligible for part-time employment, provided that job sharing is used to ensure full-time performance of tasks. The position is initially limited for a period of two years, with the possibility of an unlimited term.

The chair of Prof. Dr. Dominic Grün, newly founded as of January 1, 2021, investigates the development of immune cells and stem cells with the help of experimental and bioinformatic methods of systems biology (<https://www.med.uni-wuerzburg.de/en/systemimmunologie/research/quantitative-single-cell-biology-of-the-immune-system-gruen-lab/>). In particular, the laboratory specializes in the application of experimental methods of single cell biology (single-cell RNA-seq, single-cell ATAC-seq, single-molecule FISH) in order to understand the development and function of cells in the tissue context with single-cell resolution. For this purpose, novel experimental technologies are combined with bioinformatic methods of machine learning and artificial intelligence.

The position allows you to work in the international environment of the research group and the Institute for System Immunology (<https://www.med.uni-wuerzburg.de/en/systemimmunologie/start-page/>) and to participate in research projects on single-cell biology.

The remuneration is based on the TV-L according to qualification.

The advertised position is particularly associated with the following tasks:

- Laboratory organization and management: Ensuring that everything runs smoothly in the laboratory through material procurement and organization
- Support of team members and participation in joint projects on the subject related to single-cell resolution analysis of cell differentiation and function within the tissue environment
- Establishment of experimental methods for single-cell analysis (sequencing, microscopy)
- Work with human and mouse tissue (cryosectioning, immunostaining, FISH etc.)
- Experimental work with the mouse model
- Experimental in vitro work with primary cells and organoids

Required qualifications:

- Vocational training as lab assistant (medical/biological technical assistant or similar) or a university degree in life sciences
- Practical experience in common molecular biological methods - such as cloning, antibody staining, in situ hybridization, cell culture and microscopy methods, high-throughput sequencing
- Experience with mouse work / FELASA B qualification
- Experience with mouse and/or human tissue handling
- Experience with cell culture
- Bilingual written and oral (German and English)
- Basic IT knowledge
- Teamwork, reliable, willing to learn and communicative

Desired Qualifications:

- Experience with high throughput-sequencing methods.
- Experience in cell analysis using flow cytometry / FACS
- Experience in an interdisciplinary and international working environment
- Experience managing laboratory finances and procuring consumables and laboratory equipment

If the suitability, ability and professional performance are essentially the same, severely disabled persons are preferred.

Your detailed application documents - preferentially by e-mail - should be sent to

dominic.gruen@uni-wuerzburg.de

Prof. Dr. Dominic Grün
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Versbacher Str. 9
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until February 28th at the latest.



Please only send copies. For cost reasons, the application documents cannot be returned. They will be destroyed shortly after the selection process has been completed. If you enclose a postage paid envelope, the application documents will be returned to you three months after the selection process has been completed.