

Technical Staff Position – Emmy-Noether funded Group, Dr. Ali Seleit

The Centre for Integrative Biological Signalling Studies (CIBSS) and the Faculty of Biology at the University of Freiburg are pleased to announce an open technical position in the newly founded Emmy-Noether funded research group of Dr. Ali Seleit, focusing on: **Genetics of embryonic developmental timing and size control in vertebrates.**

- **Application Deadline:** 01.05.2026
- **Published:** 01.04.2026
- **Start Date:** 01.06.2026 (or by mutual agreement)
- **Position:** Full-time (Limited for 3 years with possibility to extend another 3)
- **Salary:** TV-L E9 – E13

Description

The technical staff member will support research in Dr. Ali Seleit's Emmy-Noether funded group and will be involved in experimental and molecular biology tasks, including:

Technical laboratory activities:

- **Fish husbandry:** Collecting, screening, breeding, and maintaining *Oryzias* fish lines.
- **Molecular cloning:** Constructing plasmids and libraries in microbial systems (*E. coli*, *S. cerevisiae*) for subsequent transgenesis in *Oryzias* fish.
- **Genomic analysis:** Extracting DNA from embryos, preparing sequencing libraries, and performing quality control for whole-genome sequencing (WGS).
- **Single-cell genomics:** Performing tissue dissociation, nuclei extraction, and library preparation for single-cell RNA sequencing (sci-RNA-seq).
- **Genotyping and screening:** Conducting PCR-based genotyping and fluorescence-based screening of fish embryos.
- **Genome editing:** Performing CRISPR/Cas9 microinjections at the 1-cell stage to generate mutants and knock-in lines.
- **In vitro fertilization (IVF):** Carrying out IVF techniques in fish to produce genetic hybrids.

Laboratory Management, Training, and Supervision:

- **Onboarding and training:** Supporting new group members in learning laboratory techniques, protocols, and safety practices.
- **Coordination:** Organizing lab schedules, team meetings, cleaning rotations, and promoting best practices.
- **Laboratory operations:** Managing general lab infrastructure, including instrument maintenance, ordering of consumables, inventory management, stock upkeep, and maintaining the lab calendar.
- **Data management:** Ensuring adherence to the group's data management plan and proper documentation of experiments.

Requirements

We are looking for a motivated and skilled candidate who meets the following requirements:

Required Qualifications:

- Advanced degree from an accredited university or technical school, or equivalent laboratory experience in molecular biology or a related field.
- Hands-on experience with standard molecular biology techniques (e.g., PCR, gel electrophoresis, sequencing).
- Experience in molecular cloning methods (Gibson Assembly, Golden-Gate, restriction/ligation).
- Independent, well-organized work style with an eagerness to learn new methods and protocols.
- Ability to manage responsibilities across multiple collaborative projects.
- Fluent spoken and written English.

Preferred Qualifications:

- Experience working with aquatic model systems.
- Experience with sequencing library preparation (DNA/RNA).
- Experience with in vitro fertilization (IVF) techniques in fish models.

What We Offer

- A dynamic, collaborative, and interdisciplinary research environment.
- Opportunities to contribute to cutting-edge research in developmental genetics and vertebrate biology.
- Supportive mentorship and training in advanced molecular and genomic techniques.

How to Apply

Please submit your complete application in English—including a **cover letter, CV, and relevant certificates**—as a single PDF document. Please submit your materials by **01.05.2026**.

Please send your application electronically via email, citing the reference "**Technician-Seleit-2026**", to ali.seleit@cibss.uni-freiburg.de by **01.05.2026** at the latest.