

## **Postdoctoral position on Molecular Biology of Complex Regional Pain Syndrome (CRPS) 100 %**

The Center of Experimental Rheumatology Zurich is a world-leading institute in the study of chronic inflammatory joint diseases. It has been awarded as an EULAR Center of Excellence due to its achievements in rheumatology research. Visit our webpage for more information about the [>institute](#) and the [>Dudli lab](#).

### **Your responsibilities**

The main goal of the project is to provide a cellular and molecular understanding of the changes in CRPS-affected skin. The project has already been initiated. Your responsibilities will be

- Research (90%). Single-cell RNA sequencing analysis, cell culture experiments, and the development of a 3D skin model for CRPS.
- Guidance of research assistants and PhD candidates (10%)

### **Your profile**

Motivated, enthusiastic scientist with expertise in molecular biology and bioinformatic analysis and with a track record of being a key contributor to scientific publications. Specific qualifications include:

- Experience with single-cell RNA sequencing
- Experienced in the analysis of Omics data and biostatistics. Preferably with programming skills in R.
- Experience in cell culture and standard molecular biology techniques (FACS, Western blotting, qPCR, ELISA, etc.)
- Ability to work independently, high problem-solving skills, good time management
- Summarize work in research reports, presentations, abstracts, and manuscripts
- High interpersonal, intercultural, and social competence
- Excellent English communication skills, including writing skills for scientific publications are mandatory

### **What do we offer**

- International work environment in a world-leading rheumatology research institute.
- An ongoing project with established methodologies and existing datasets.
- Close collaboration with clinician-scientists

- Research institution entirely dedicated to musculoskeletal conditions and equipped with the newest technologies
- Vibrant scientific environment with a comprehensive range of facilities and technology platforms

### **Place of work**

The laboratory of PD Dr. Dudli is located at the [>Balgrist Campus, Lengghalde 5, 8008 Zürich](#).

Zurich is one of the cities with the highest quality of life worldwide and home to two top universities.

### **Start of employment**

Employment is available immediately. The starting date is negotiable but preferably in the first half of 2024. The position is fully funded for one year, with a possible extension for another year. Your application should contain (as a single pdf document):

- letter of motivation
- curriculum vitae
- short summary of past research accomplishments
- transcripts of your academic records from the university and a copy of your degree
- contact details of two referees (e.g. your Ph.D. thesis supervisor)

### **Contact**

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