



**University of Stuttgart**

Institute of Cell Biology and Immunology

## **Postdoc Position in Experimental Single-Cell Biology (m/f/d)**

The newly founded research group “Signaling Dynamics of Cellular Biomedical Systems”, headed by Junior Professor Chengzhe Tian, utilizes cutting-edge quantitative approaches to dissect the molecular origin of cell-to-cell heterogeneity and its implications for human diseases. We previously developed innovative time-lapse microscopy and automated image-analysis techniques, enabling direct monitoring of single cells in their native states over several weeks. We want to apply them to study how drug-naïve cancer cells acquire resistance to targeted therapies and would like to invite a Postdoctoral Researcher to join us.

Our lab is located at the Institute of Cell Biology and Immunology and is associated with the Stuttgart Research Center Systems Biology. We have full access to the state-of-the-art experimental and computational equipment on campus.

The candidate is expected to hold a Ph.D. degree in any field of experimental biology. A strong candidate would have rich skills in mammalian cell biology techniques, with a focus on signaling and CRISPR-based genome editing, and a strong desire to learn microscopy and computational data analysis. The candidate should be highly motivated, curiosity-driven, and willing to work in a highly interdisciplinary and international environment.

The position is available immediately. The contract runs initially for three years, with the possibility of extension. Remuneration will be based on the collective agreement for the public service of German federal states (TV-L E13, 100%).

Interested applicants should send a letter of motivation, a CV, and contact information of 2-3 references to [chengzhe.tian@izi.uni-stuttgart.de](mailto:chengzhe.tian@izi.uni-stuttgart.de). In the letter of motivation, please briefly describe, among others, your past research, your career goal, and how they converge with our group. For more information, please visit our lab websites <https://www.izi.uni-stuttgart.de/> and <https://signalingdynamics-ustutt.github.io/>. Informal inquiry about this position is welcome.