

A Postdoc position is available in the laboratory for Cellular Protein Biochemistry at the Technical University of Munich Department of Chemistry and Institute for Advanced Study.

Our laboratory aims at understanding how proteins fold, assemble and are scrutinized by the cellular quality control machinery. We are particularly interested in proteins of the secretory pathway - proteins that are ultimately secreted or localized on the cell surface and allow cells to interact with their environment. We use an interdisciplinary approach from protein biochemistry to cell biology to analyze the machinery and mechanisms that monitor cellular protein biogenesis. One major model system in our laboratory are interleukins, key signaling molecules in the immune system.

CURRENT PROJECTS:

Our immune system allows survival in the everyday competition with toxins and pathogens. Key for the effectiveness of the human immune system is its highly interconnected multi-layered organization, which depends on reliable and efficient cellular communication. This communication is mediated by a class of structurally diverse secreted proteins, the interleukins (ILs). Our lab is particularly interested in the cellular folding, assembly, quality control of the IL12 family. Using these insights, we rationally engineer cytokines with enhanced or new activities. The candidate will spearhead engineering approaches in our lab and have the opportunity to learn and apply a wide variety of state-of-the-art techniques and work on an exciting project of immediate biomedical relevance.

YOUR PROFILE:

The applicant should hold a PhD in Biochemistry or related fields with a focus on computational biology and protein engineering. Substantial experience in computational structural biology, protein docking and engineering is required. Experience in experimental protein biochemistry is a benefit.

THE ENVIRONMENT AND THE POSITION:

The Technical University of Munich (TUM) is a leading research university in Europe. We are offering excellent working conditions, state-of-the-art infrastructure and an international research environment. The salary is in accordance to the Public Sector Collective Agreement on Länder (TV-L E13/100%). The position is initially limited to one year and the candidate is expected to apply for postdoctoral scholarships during this time. The position is available immediately. Only applications received until Mar 31st 2020 will be considered.

The application should contain a CV, (degree) certificates, a letter of motivation and at least two possible references. Please send your application (single pdf-document) by email to: matthias.feige@tum.de

TUM is an equal opportunity employer. Qualified women are therefore particularly encouraged to apply. Applicants with disabilities are treated with preference given comparable qualification.

further information: www.cell.ch.tum.de