



The **Leibniz Institute for Food Systems Biology at the Technical University of Munich (Leibniz-LSB@TUM)**, a legal foundation under civil law in Freising, is a research institution of the Leibniz Association that combines methods of biomolecular basic research with analysis methods of bioinformatics and analytical high-performance technologies to investigate the complex interplay between the human organism and food ingredients.

The research group **Network Modelling & Machine Learning** (Prof. Olaf Wolkenhauer) at Leibniz-LSB@TUM is looking for a

Postdoctoral Scientist – Bioinformatics & Machine Learning (m/f/d)

to start on 01.07.2021 (100% TV-L 13). The position is to be filled for a period of 2 years.

Research project

You will help us pioneering food systems biology approaches, focusing on food science and food related health. The specific objectives of the project will be developed in relation to the candidate's experience and interests.

Your area of responsibility includes

- The development of models, workflows and tools to analyse omics data
- The analysis of omics and single cell data
- Modelling molecular interaction networks of the olfactory system
- Interdisciplinary collaborations with experimental groups at the LSB

Requirements:

The ideal applicant should have experience in bioinformatics and/or machine learning, and/or systems biology. A candidate with a strong background in machine learning, will have the opportunity to develop his career in food science and food related health. With the support from the group leader, the candidate should want to aim for his own research group after two years (e.g., through a DFG, ERC or Leibniz grant proposal).

Work environment:

You will become part of Section III on In-silico Biology and Machine Learning which was re-established in November 2020. Working together with Olaf Wolkenhauer (guest professor at the LSB) you will complement the groups of Antonella Di Pizio (Molecular Modelling) and Andreas Dunkel (Integrated Food Systems Analysis). The candidate has access to collaborators and state of the art technologies in Sections I and II of the LSB. Through O Wolkenhauer, the project also implies a close collaboration with the Dept of Systems Biology & Bioinformatics at the University of Rostock (www.sbi.uni-rostock.de). We care about collaborations, support, and mentoring.

In addition to a varied workplace where your performance counts, we offer

- a performance-related salary in accordance with TV-L, in-line with your personal qualifications and the personal prerequisites
- an interesting and varied task area in the field of university research
- a motivated team that is looking forward to welcoming you
- flexible working times and therefore good compatibility of work and family
- company pension scheme
- special annual payment

In the case of essentially reciprocal suitability, severely-disabled applicants as defined SGB IX will be preferred.

Please address any questions on current topics to o.wolkenhauer.leibniz-lsb@tum.de and send your application with the usual documents/containing your comprehensive cv and transcripts as well as names of three potential references electronically to the following address, citing the reference number **2021-07-S3-OW**: Anja Magalowski (Human Resources Department) recruiting.leibniz-lsb@tum.de.

Take advantage of this opportunity and contact us!