



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 **Taste & Odor Systems Reception** at Leibniz-LSB@TUM is currently looking for a

## Doctoral student (m/f/d)

to start in January 2022 in the field of chemical sensory science. The position (65%, TV-L 13) is to be filled for a maximum period of 4 years.

### Research project

The research group investigates the molecular basis of human taste and odor perception, its impact on food selection and the role of taste and odorant receptors in non-sensory tissues. The DFG-funded open position is devoted to improve the prediction of food-derived bitter peptides. The project involves the use of a well-established cellular assay to identify bitter taste receptors activated by food-related peptides and, in close collaboration with colleagues from food chemistry and computational biology, to characterize key-features of peptide agonists as well as receptor-specific pharmacological properties.

### Your area of responsibility includes

- Performing cell-based bitter taste receptor assays
- Handling and, if required, generation of mammalian cell lines
- Molecular cloning and point mutagenesis of receptor constructs

### Requirements

The ideal applicant has

- A master's degree in Biochemistry, Biology or a related field
- Previous experience in molecular biological, biochemical and cell biological methods
- Ability to work independently and focused
- Solid German and English communication skills
- Organizational skills and is highly team-oriented

### Work environment

Together with internationally recognized experts, you conduct research aimed at improving foodstuffs and promoting healthy human nutrition.

### 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 academic 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

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

Please address any research related questions to Dr. Maik Behrens ([m.behrens.leibniz-lsb@tum.de](mailto:m.behrens.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 **2021-11-S2-MB**:

Anja Magalowski (Human Resources Department) [recruiting.leibniz-lsb@tum.de](mailto:recruiting.leibniz-lsb@tum.de).

### Take advantage of this opportunity and contact us!