



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.

Our research group "Nucleic Acid Research" at Leibniz-LSB@TUM is looking for

### **1 doctoral student**

to start on 1/10/2020 (65% TV-L 13). The position is to be filled for a period of 4 years.

#### **Your area of responsibility includes**

- Development, assembly and testing of a new chemical photolithography device for nucleic acid microarray synthesis
- Development of new chemical and enzymatic approaches to DNA synthesis and assembly
- Design of large and complex DNA sequence libraries and enzymatic amplification thereof
- Photolithographic synthesis of DNA arrays for use in spatial transcriptomics experiments
- Development and validation of spatial transcriptomics approaches, including plant and animal tissue handling, preparing samples for sequencing, and analysis of sequencing data
- Coordination of research with national and international partners

#### **Requirements:**

The ideal applicant holds a degree in molecular biology, biochemistry, chemistry, food chemistry, life science (state examination, diploma, master's degree) or has a comparable qualification, and solid English language skills. We are looking for a candidate with high self-motivation, the ability to work and acquire new skills independently, as well as outstanding organizational and team skills. The candidate must be willing to travel nationally and internationally for training.

#### **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 university research
- a motivated team that is looking forward to welcoming you
- flexible working times enabling, a 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 to Dr. Mark Somoza ([m.somoza.leibniz-lsb@tum.de](mailto:m.somoza.leibniz-lsb@tum.de)) and send your application containing your comprehensive cv and transcripts as well as names of three potential references electronically to the following address, citing the reference number **2020-12-S1-MS**:

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

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