

Bielefeld University stands for interdisciplinarity, high quality research and teaching, and the further development of a gender-equitable university culture. People from a wide variety of subjects and perspectives work together to promote innovative and interdisciplinary research and teaching at the highest level. A broad range of study opportunities in the humanities, natural sciences, social sciences, technical sciences and medicine is open to the approximately 25,000 students. In addition to its international orientation, Bielefeld University is well connected to the medium-sized city and the region.

As part of the expansion of its focus on bioinformatics, the **Faculty of Technology** is calling for applications for the position of

## **Professorship (W2 or W3) for Modelling in the Life Sciences**

to commence at the earliest opportunity.

You are internationally recognized with excellent qualifications at the interface of life sciences with computer science and/or mathematics in research and teaching.

You are able to cooperate with the research groups of the Faculty of Technology, especially with the research groups in related fields.

As a professor, you represent the field of modelling in the life sciences in research and teaching. The focus is on the study and development of computational/statistical/mathematical models of current interest in the life sciences.

In particular, you are familiar with topics that are relevant in areas such as simulation-based modelling, the creation of models for the purpose of data analysis in biomedical contexts, or statistical / computational models in population genetics, among others.

Possible thematic research areas of the professorship include the following:

- Models that support computer-based simulations.
- Statistical/algorithmic models that serve the analysis of data of current interest in the life sciences.
- Models of actual relevance in population genetic/genomics or evolutionary models.

You will actively use the many opportunities for interdisciplinary research cooperation available within Bielefeld University. The faculty is currently participating in several central academic institutions such as the Research Centre for Mathematical Modelling (RCM<sup>2</sup>), the Center for Biotechnology (CeBiTec), or the Bielefeld Institute for Bioinformatics Infrastructure (BIBI). In addition, the faculty is actively involved in the establishment of other foci and institutes, with potential for further collaborations and application areas of current interest.

Participation in the bachelor and master programs of the faculty, in particular in the area of statistical/computational/mathematical modelling, is also expected.

The requirements for employment follow § 36 HG.

Applications from suitable severely disabled persons and persons with disabilities of equal status are expressly encouraged.

Bielefeld University has received several awards for its success in equal opportunities and is certified as a family-friendly university. Among other things, the University pursues a committed equal opportunities policy concerning the appointment of professorships and would expressly like to invite qualified female applicants to apply. Applications are treated in accordance with the State Equality Act. Family times are considered in the context of the selection decision.

The Faculty considers equality between women and men to be an important task, and the future jobholder will be involved in its implementation. Bielefeld University promotes dual-career couples and supports them with a range of services to help them create a common place of work and life.

The following documents must be submitted for the application:

- Cover letter
- Curriculum Vitae
- List of publications and identification of the 10 most important publications
- Two-page research and teaching concept
- List of courses taught and other teaching qualifications (e.g. current evaluations, if available)
- A list of research activities and third-party funds raised to date
- Copies of academic certificates

Please submit your application in German or English by **April 20, 2022** via the online appointment portal of the Bielefeld University:  
<https://berufungen.uni-bielefeld.de>

**Contact:**

Bielefeld University  
Faculty of Technology  
Dean  
PO Box 10 01 31  
33501 Bielefeld  
E-mail: [dekan@techfak.uni-bielefeld.de](mailto:dekan@techfak.uni-bielefeld.de)

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