Your Tasks

The digitization of biomedicine and health care is one of the most driving topics of our times. The creation, advancement and implementation of methods, tools, and software that support and improve modern biology and medicine is therefore one of the most relevant research areas at the interfaces of Data Science and Computational Biology.

The group “Biomedical Data Science”, which will be founded in January 2020 (Principal Investigator: Alexander Schönhuth), will put the clear focus on related issues in computational biomedical research. The emphasis on topics covered will be on big data analysis and management, relational databases, high throughputs, biomedicine, the (effective and wise) use of artificial intelligence in computational personalized medicine, for example for optimizing therapy strategies and selecting treatment options, and the development and implementation of mathematical and computational tools that serve the purposes of modern biomedicine.

Your Profile

We seek

- Master degree above average (at least 2.0) on closely related topics
- good communication skills and interest in interdisciplinary collaboration
- interest and enthusiasm for computer science/mathematics when applied to driving issues in biomedicine
- deep driving interest in data science and related areas
- personal motivation and fixation for one or several of the topics from above

Remuneration

Salary will be paid according to Remuneration level 13 of the Wage Agreement for Public Service in the Federal States (TV-L). As stipulated in § 21 sentence 1 of the WissZeitVG (fixed-term employment), the contract will end after four years. In accordance with the provisions of the WissZeitVG and the Agreement on Satisfactory Conditions of Employment, the length of contract may differ in individual cases. The employment is designed to encourage further academic qualification. In principle, these full-time position may be changed into a part-time position, as long as this does not conflict with official needs.

Bielefeld University is particularly committed to equal opportunities and the career development of its employees. It offers attractive internal and external training and further training programmes. Employees have the opportunity to use a variety of health, counselling, and prevention programmes. Bielefeld University places great importance on a work-family balance for all its employees. Further information on Bielefeld University can be found on our homepage at www.uni-bielefeld.de/Universitaet/Aktuelles/Stellenausschreibungen/2019_DS-Hinweise_englisch.pdf.