The Faculty of Technology, research group "Multiscale Bioengineering", offers a full-time Research position starting at the earliest possible time (E13 TV-L, non-permanent position)

Main responsibilities

The new research group “Multiscale Bioengineering” was founded in April 2017 at the Faculty of Technology of the University of Bielefeld with the aim to establish and apply new microfluidic methods and tools in biotechnology and bioprocess engineering. The advertised Postdoctoral position offers a very diversified and exciting field of activity at the interface between biotechnology/bioprocess engineering and microfluidics as well as the possibility to contribute to the establishment of the new working group “Multiscale Bioengineering”. We are a highly motivated team and offer the opportunity to perform interdisciplinary research in a fascinating topic between microfluidics and biotechnology. The area of responsibility includes research activities (75%) as well as the participation in the teaching and supervision of Bachelor and Master students (25%). Research focus will be the design, fabrication and application of systems with industrially relevant eukaryotic model organisms.

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Applicant’s Profile

The successful candidate is expected to have:

- a postgradual degree (PhD) in a relevant scientific discipline, e.g. microtechnology, nanotechnology, physics or subject-related research areas
- very good knowledge and experience in the field of microfluidics in particular
- design and fabrication of microfluidic systems
- interest in the characterization and optimization of microfluidic systems
- lithographic fabrication techniques (e.g., SU8 processes)
- PDMS soft lithography
- experience and interest in cooperation projects with microbiologists, bioprocess engineers, biochemists etc.
- interest in single-cell analysis
- very good English skills
- ability to work independently and as part of a team

Preferable qualifications

- interest in new microtechnical manufacturing processes (e.g., 3D microprinting)
- ambition to develop into an independent scientist

Remuneration

Salary will be paid according to Remuneration level 13 of the Wages Agreement for Public Service in the Federal States (TV-L). As stipulated in § 2 of the WissZeitVG (fixed-term employment), the contract will end after a period of two 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. The position is advertised as full-time jobs. In individual cases, this percentage may be reduced on request, as long as this does not conflict with official needs.

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

Application

For full consideration, your application should be received via either post or email (a single PDF document) sent to d.risse@uni-bielefeld.de by 18th of January 2018. Please mark your application with the identification code wiss17272. Please do not use application portfolios and send only photocopies of original documents because all application materials will be destroyed at the end of the selection procedure. Further information about Bielefeld University can be found on our homepage at www.uni-bielefeld.de.

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Bielefeld University has received a number of awards for its achievements in the provision of equal opportunity and has been recognized as a family friendly university. The University welcomes applications from women. This is particularly true with regard both to academic and technical posts as well as positions in Information Technology and Trades and Craft. Applications are handled according to the provisions of the state equal opportunity statutes. Applications from suitably qualified handicapped and severely handicapped persons are explicitly encouraged.