The Faculty of Biology (Computational Biology) offers a full-time
Research position
starting soon as possible
(E13 TV-L, non-permanent position)

Main responsibilities
Research in the group “Computational Biology” focuses on the analysis and characterization of metabolic and regulatory networks in plants. Large datasets, such as results from metabolomics, proteomics and transcriptomics studies, are the foundation of the research. Metabolic network analyses are developed as kinetic or stoichiometric networks. Regulatory networks rely on correlation-based or regression-based algorithms. Predictions from either method are validated in planta. Many experiments analyze photosynthesis and its subtypes directly or indirectly.

The main tasks will be the following:
- research (70 %)
  - analysis and interpretation of multidimensional transcriptional datasets from next generation sequencing approaches
  - experimental design and execution of validation experiments in plants (technical support available)
  - presentation of own results in publications and on the occasion of conferences
  - development of own research profile (25 % of research time)
  - possible development of kinetic and/or stoichiometric models
- teaching (25 %)
  - teaching (4 semester periods per week) in German and English language in B. Sc. and M. Sc. degree courses in Biology or Molecular Biology (the teaching contribution will be tailored to the strengths of the applicant)
- organization (5%)
  - occasional support for public service of the research group, for grant writing, and in structural processes

Your Profile
We expect
- academic degree in biology, computer sciences, bioinformatics, botany, mathematics or any similar subject field
- knowledge in related fields
- ability to self-organize and work in a team
- eagerness for innovative thinking in order to develop new ideas, and in order to communicate them to others (oral and written)
- knowledge of a programming language (such as R or Python)
- publications which demonstrate experience in large scale data analysis
- good skills in English
- knowledge of German, enabling the applicant to teach in German

Preferable qualifications
- experience with kinetic and/or regulatory network analyses
- experience with python
- previous working experience with plants

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 § 2 (1) sentence 2 of the WzA 2016/17 (federal-employment), the contract will end after a period of three years. The contract will be renewed upon the provisions of the WzA 2016/17 and the Agreement on Satisfactory Conditions of Employment, any contractual period may differ in individual cases. The employment is designed to encourage further academic qualification. This position supports the development of an independent research profile (25 % of time). A tailor-made professional development program is available on request. The position is advertised as a full-time job. In individual cases, this percentage may be reduced on request, as long as this does not conflict with official requirements.

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, counselling, and prevention programmes. Bielefeld University places great importance on a work-family balance for all its employees.

Application
For full consideration, your application should be received preferably via email (a single PDF document) sent to andrea.braeutigam@uni-bielefeld.de by 12th of January 2018. Applications can be supported by naming two references and/or providing skills in computer languages by giving examples (publications, github, etc.). Please bear in mind that we cannot consider applications sent as attachments in this form.

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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 to female applicants and 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.

www.uni-bielefeld.de