Faculty of Mechanical Science and Engineering

At the Institute of Natural Materials Technology, the Chair of Bioprocess Engineering has a vacancy for in the field of Enzyme Engineering and Metabolic Engineering at the next possible date

Research Associate

(Subject to personal qualification employees are remunerated according to salary group E 13 TV-L)

for 3 years with 85 % of the full-time weekly hours. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG). The position offers the chance to obtain further academic qualification (e.g PhD).

Tasks: You will be involved in our work in a project with international partners on the development of bacterial strains for the microbial production of value-added chemicals. Your tasks will include molecular biology and enzymology work to develop new enzyme activities that will be used to build new metabolic pathways. In addition, you will analyse the performance of the new enzymes in production strains using systems biology methods.

Requirements: university degree (Diploma/Master) in bioprocess engineering, biotechnology, biochemistry or a comparable discipline. In addition, you should have (or be willing to acquire) solid mathematical and statistical skills to perform and evaluate deep sequencing experiments. Applications from women are particularly welcome. The same applies to people with disabilities. Practical experience with molecular biology techniques and/or enzyme characterization is desired.

Please send your application with the usual documents by February 16, 2021 (stamped arrival date of the university central mail service applies) to: TU Dresden, Fakultät Maschinenwesen, Institut für Naturstofftechnik, Professur für Bioverfahrenstechnik, Herrn Prof. Thomas Walther, Helmholtzstr. 10, 01069 Dresden, Germany, or via the SecureMail Portal of TU Dresden https://securemail.tu-dresden.de as a PDF document to thomas_walther@tu-dresden.de. Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.

Reference to data protection: Your data protection rights, the purpose for which your data will be processed, as well as further information about data protection is available to you on the website: https://tu-dresden.de/karriere/datenschutzhinweis