Faculty of Mechanical Science and Engineering

At the Institute of Natural Materials Technology, the Chair of Bioprocess Engineering offers a position in the field of Enzyme Engineering and Metabolic Engineering, subject to the availability of resources, as

Research Associate/PhD student
(subject to personal qualification employees are remunerated according to salary group E 13 TV-L.)

starting December 1, 2021 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 on the development of synthetic metabolic pathways 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. You will genetically engineer producer strains and characterize them using $^{13}$C tracer experiments.

Requirements: university degree (Diploma/Master) in bioprocess engineering, biotechnology, biochemistry or a comparable discipline. Practical experience with molecular biology techniques and/or enzyme characterization is desired.

Applications from women are particularly welcome. The same applies to people with disabilities.

Please send your application with the usual documents by October 14, 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 TU Dresden SecureMail Portal https://securemail.tu-dresden.de by sending it as a single 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