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 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 27 month 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. Subject to the availability of resources, there is an option to extend the contract to 36 months.

**Tasks:** You will be involved in our work in a project with international partners to develop bacterial strains for the microbial production of value-added chemicals. Your tasks will include molecular biology work for strain optimization and testing of enzymes to build new metabolic pathways. In addition, you will analyse the constructed strains using systems biology methods and optimize fermentation processes in bioreactors.

**Requirements:** university degree (Diploma/Master) in bioprocess engineering, biotechnology, biochemistry or a comparable discipline. Practical experience in the study and development of production strains or optimization of fermentation processes is desired.

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

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](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.

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**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](https://tu-dresden.de/karriere/datenschutzhinweis)