TUD Dresden University of Technology, as a University of Excellence, is one of the leading and most dynamic research institutions in the country. Founded in 1828, today it is a globally oriented, regionally anchored top university as it focuses on the grand challenges of the 21st century. It develops innovative solutions for the world's most pressing issues. In research and academic programs, the university unites the natural and engineering sciences with the humanities, social sciences and medicine. This wide range of disciplines is a special feature, facilitating interdisciplinarity and transfer of science to society. As a modern employer, it offers attractive working conditions to all employees in teaching, research, technology and administration. The goal is to promote and develop their individual abilities while empowering everyone to reach their full potential. TUD embodies a university culture that is characterized by cosmopolitanism, mutual appreciation, thriving innovation and active participation. For TUD diversity is an essential feature and a quality criterion of an excellent university. Accordingly, we welcome all applicants who would like to commit themselves, their achievements and productivity to the success of the whole institution.

At the Faculty of Mechanical Science and Engineering, Institute of Natural Materials Technology, the Chair of Bioprocess Engineering offers a position as

**Research Associate (m/f/x)**

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

starting at the **earliest possible date.** The position is limited to 3 years and comprises 75 % 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 (usually PhD).

**Tasks:** You will be involved in our project by developing producer strains for the microbial production of value-added chemicals from non-classical carbon sources. 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. Depending on your background, the focus of your work may be extended to studying the new producer strains in bioreactors.

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

TUD strives to employ more women in academia and research. We therefore expressly encourage women to apply. The University is a certified family-friendly university and offers a Dual Career Service. We welcome applications from candidates with disabilities. If multiple candidates prove to be equally qualified, those with disabilities or with equivalent status pursuant to the German Social Code IX (SGB IX) will receive priority for employment.

Please send your application with the usual documents by **January 15, 2024** (stamped arrival date of the university central mail service or the time stamp on the email server of TUD 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 [https://securemail.tu-dresden.de](https://securemail.tu-dresden.de) by sending it as a single pdf file to [thomas_walther@tu-dresden.de](mailto: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](https://tu-dresden.de/karriere/datenschutzhinweis).