

The **Faculty of Environment and Natural Sciences of Brandenburg University of Technology Cottbus–Senftenberg (BTU)**, in joint appointment with the Fraunhofer Society, offers a:

W1 – JUNIOR PROFESSORSHIP

Biofunctional Polymer Materials

(with tenure track option to a W3 professorship)

in association with the management of the Fraunhofer project group "Biofunctionalization/Biologization of Polymer Materials" at the Fraunhofer Institute for Applied Polymer Research IAP at the BTU Cottbus-Senftenberg.

The Brandenburg University of Technology Cottbus-Senftenberg (BTU) is the second largest university and the only technical university in the state of Brandenburg. In research and technology transfer, great value is placed on cooperation with other universities and non-university research institutions, with regional small and medium-sized companies as well as with large and globally active corporations.

The junior professorship includes research and teaching in the fields of integration of biological functions in polymer-based materials as well as the underlying biological and chemical methods with the main focus on

- materials science of plastics and their processing
- Technologies for the modification of polymer surfaces
- Biochemical and molecular basis of bioactive molecules like proteins, peptides and sugar molecules
- Biotechnological basis of the production of bioactive molecules

Teaching responsibilities include basic and advanced lectures as well as participation in laboratory courses in the bachelor and master program "Materials Chemistry". Duties also include teaching in other BTU courses of study. Courses may also be held in English.

The junior professorship is associated with the management of the Fraunhofer project group "Biofunctionalization/Biologization of Polymer Materials" at the Fraunhofer Institute for Applied Polymer Research IAP at the BTU Cottbus-Senftenberg. It comprises the scientific and economic management and development of the project group within the Fraunhofer model as well as the close cooperation with the parent institute in Potsdam-Golm.

In your new position, you will competently represent the main topics in research and teaching as well as in research and technology management vis-à-vis public research funding and research participants from industry and science, and expand the strategic relationship between the University and the Fraunhofer Institute.

You can demonstrate a high scientific quality of your research and development work as well as the ability to acquire funding research and development projects from public and industrial clients in the field of development, research and production of bioactive molecules and their integration into or onto polymer-based materials and continue this in the context of future tasks.

In addition, you have experience in strategic planning, acquisition, coordination and management of national and preferably also international research and development projects in different business

areas and show competences in increasing the efficiency of development processes and in exploitation of technology.

For further information, please contact Prof. Dr. Alexander Böker from Fraunhofer-Gesellschaft:

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and Prof. Dr. Peer Schmidt from BTU:

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Further duties result from § 42 Brandenburg Higher Education Act (BbgHG) in conjunction with § 3 BbgHG.

The requirements and conditions for employment are in §§ 45 and 46 BbgHG. As a rule, the period of full-time scientific activity between the last examination of the doctorate and the application for the junior professorship may not exceed six years.

Persons who fulfill the requirements for a university professorship according to § 41 Abs. 1 Nr. 4a BbgHG cannot be considered for this selection procedure.

According to § 46 BbgHG junior professors are appointed as temporary civil servants for a period of up to four years. In the case of a positive interim evaluation, the appointment may be extended to a maximum of six years. Upon successful performance during the six-year junior professorship, the tenure track provides the option of transferring a W3 grade professorship to the holder of the position after an appointment procedure has been carried out. Tenure evaluation is conducted in accordance with § 11 of the BTU Tenure-Track Regulations

The BTU and the Fraunhofer-Gesellschaft value and promote the diversity of their employees' skills and therefore welcome all applications - regardless of age, gender, nationality, ethnic and social background, religion, ideology, disability, as well as sexual orientation and identity.

Persons with a severe disability are given preferential consideration if they are equally suitable.

You can expect a wide range of projects with a high degree of practical relevance and significant freedom in research. The BTU and the Fraunhofer-Gesellschaft pursue a family-friendly personnel policy and offer their employees flexible working hours and support services to help them balance work and family life. As a family-oriented university, the BTU offers support for dual career couples (Dual Career Service).

Please also refer to the data privacy information on the BTU website.

Please send your application with proof of qualifications, a table showing your professional career, a list of publications and proof of teaching qualification by e-mail in a summarized pdf file of max. 7 MB until **25.10.2021**:

**Dean of the Faculty of Environment and Natural Sciences
BTU Cottbus - Senftenberg, Postfach 101344, 03013 Cottbus**

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The BTU carries the seal of quality of The German Association of University Professors and Lecturers (Deutscher Hochschulverband, in short DHV). She is thus honored for her fair and transparent negotiations on the appointment of new professors.