

The **Faculty of Health Sciences** – a joint faculty of the University of Potsdam, the Brandenburg Medical School Theodor Fontane, and the Brandenburg University of Technology Cottbus-Senftenberg – hereby announces a research-oriented

W3 Professorship

Medical Bioinformatics with a Focus on Patient-Related Data Collection

to be filled as soon as possible at the Brandenburg University of Technology Cottbus-Senftenberg.

The joint Faculty of Health Sciences of the three member universities brings together the health sciences competencies of the federal state of Brandenburg. The new faculty will develop and expand research and teaching in the region with a total of 16 new appointments.

This professorship is assigned to the Brandenburg University of Technology (BTU). BTU is the sole technical university in the state of Brandenburg. It combines international research with future-oriented teaching, and also offers a unique curriculum in which students can pursue various degree programs that offer a university or university of applied science degree, or a so-called dual study-work program degree.

Many disciplines of medicine and health sciences collect large quantities of data in a broad variety of formats, and this data has to be processed bioinformatically. To this end, it is usually necessary to develop new tools that provide the best possible answer for the data set and the specific question. One focal area of this professorship will be the development of new techniques, such as mobile diagnostics or networked care of chronically ill people, including an objective evaluation of these new techniques. This professorship is therefore an ideal complement to the Brandenburg Health Campus, which offers opportunities to interact with a great number of newly appointed professors; the position will also have access to many points of contact with established working groups at the BTU. In the overall Health Campus concept, this professorship is situated in the field of patient-oriented basic research.

We are looking for an internationally renowned scientist with a scientific profile in two or more application areas of medicine and health sciences. In particular, data-driven models for analysis of large and multimodal data sets from different medical disciplines as well as molecular systems biology, for example “omics” applications, would be desirable. The successful candidate will have educational qualifications in the fields of life sciences, bioinformatics, medical informatics or informatics, and must prove experience in developing algorithms to gather and analyze patient data.

For further information, please contact the Office of the Dean of the Faculty (dekanat@fgw-brandenburg.de).

Other obligations are enumerated in Section 42 of the Brandenburg Higher Education Act (BbgHG) in conjunction with Section 3 BbgHG. The eligibility requirements and conditions are set out in Sections 41 subsection 1 numbers 1 to 4a and 43 BbgHG. The successful candidate will have completed post-doctoral studies (Habilitation) or have comparable academic achievements and a clear scientific profile with internationally recognized research achievements. Research topics should be relevant for the German Research Foundation (DFG) or comparable international research funding institutions. Courses will also be conducted in English. The future holder of the position will also have experience in the acquisition of external funding and in carrying out projects funded by third parties.

The BTU is striving to increase the proportion of women in research and teaching, and therefore encourages applications from qualified women. As a family-oriented university, the BTU offers support for dual careers (Dual Career Service). Severely disabled applicants will be given preferential consideration in the event of equal qualification.

Please also note the data protection statements on the BTU's website.

Please send your application by email with documentation of your qualifications, a tabular presentation of your career, a list of publications, documentation of teaching competence, and the filled-out [questionnaire](#) in one summarized PDF file with a max. of 7 MB **by 20 April 2020** to:

Email: <mailto:fakultaet-gw+bewerbungen@b-tu.de>.

JOINT FACULTY

of the University of Potsdam, the Brandenburg Medical School Theodor Fontane
and the Brandenburg University of Technology Cottbus-Senftenberg