

We are seeking for a scientific staff member to participate in the research project "Essence".

The Chair of High-frequency and Communication Technology at the University of Wuppertal, Germany, is looking for a postdoctoral researcher or a Ph.D. student to join the research team in the field of

Biomedical Sensor Development

Pay scale: German public sector salary level E 13 TV-L, limited for two years, envisioned start date is Feb. 01, 2016.

Professional and personal condition of employment:

University degree (Master or equivalent) in electrical engineering, information technology, medical engineering, biophysics or equivalent. Knowledge in the design of biomedical sensors, high-frequency integrated circuit design or experience in the histological diagnosis (histochemistry) is desirable.

Tasks and requirements:

The research focus lies on the investigation of novel approaches for the structural analysis of biological cells. The goal of the interdisciplinary research project is to complement diagnosis in histopathology with terahertz waves. The candidate is responsible for THz near-field sensor development for the measurement of the spectroscopic properties (complex permittivity) of tissue in the micrometer range. The creative and independent involvement in the project design in this attractive interdisciplinary environment is explicitly supported. Appropriate acquisition of third-party funds as well as a participation in the administrative tasks of the working group is expected. The possibility pursuing a Ph. D. is given.

Applications including all relevant credentials and quoting the reference number 15203 should be sent to

Bergische Universität Wuppertal
Fakultät für Elektrotechnik, Informationstechnik und Medientechnik
Herrn Univ.-Prof. Dr. rer.nat. Ullrich Pfeiffer
Rainer-Gruenter-Str. 21
42119 Wuppertal
Germany

or via email to ullrich.pfeiffer@uni-wuppertal.de

Application deadline: **04.12.2015**

The University of Wuppertal aims at increasing the percentage of women in academic positions and strongly encourages female scientists to apply. The University is an equal opportunity employer and particularly welcomes applications of persons with disabilities.