The Faculty of Physics is offering a full-time position as

Junior Researcher (Akademische Rätin auf Zeit/ Akademischen Rat auf Zeit) starting as soon as possible (A13 LBesG NRW)

Your Tasks
The position deals with the fabrication, characterization and application of two-dimensional nanomaterials, in particular carbon nanomembranes (CNMs) and graphene. The successful candidate is expected to investigate structure and function, develop and optimize fabrication schemes and explore technological applications. Research work in an independent research profile that is compatible with the research topics of the group of physics supramolecular systems and surfaces in the field of membrane research.

The duties of the position include in particular:
- fabrication, structuring and characterization of self-assembled monolayers (SAM), carbon nanomembranes (CNM), graphene and graphenoids as well as their applications (75%)
- teaching assignments in experimental physics 4 WMS (20%)
- cooperation in academic self-government (5%)

The readiness for further scientific qualification is expected.

Your Profile
We expect
- an academic degree
- a outstanding Ph. D. in physics, physical chemistry or materials science, preferably with a focus on nanotechnology. Advantageous is it expected that the successful candidate develops his/her own individual research profile and will eventually acquire his/her own research grants
- relevant research experience and publications

Preferable qualifications
- proficiency with the physics and chemistry of two-dimensional systems and practical experience with UHV surface analysis, in particular scanning tunneling microscopy (STM), atomic force microscopy (AFM), X-ray photoelectron spectroscopy (XPS), electron and ion microscopy (SEM, HIM)
- experience in the physics and chemistry of two-dimensional systems
- scientific creativity
- strong teamwork, cooperation and organizational skills
- experience in the acquisition of third-party funds
- conference experience

Remuneration
Salary will be paid according to remuneration level 13 of the LBesG NRW. As stipulated in § 44 Abs. 8 HG, the contract will end after three years. A further three-year extension is intended. The position is intended to encourage further academic qualification. In principle, this full-time position may be changed into a part-time position as long as it does not conflict with official needs.

Bielefeld University is particularly committed to the career development of its employees. It offers attractive internal and external training and further training programmes. Employees have the opportunity to pursue a variety of health, counselling, and prevention programmes. Bielefeld University places great importance on a work–family balance for all its employees.

Application Procedure
For full consideration, your application should be received via either post or email (a single PDF) document sent to ag@uni-bielefeld.de by January 15, 2019. Please mark your application with the identification code: wiss18320 an. Please do not use application portfolios and send only photocopies of original documents because all application materials will be destroyed at the end of the selection procedure. Information about Bielefeld University can be found on our homepage at www.uni-bielefeld.de.

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Bielefeld University has received a number of awards for its achievements as an equal-opportunity employer and has been recognized as a family-friendly university. The university welcomes applications from women. This is particularly true with regard both to academic and technical posts as well as positions in Information technology as well as the skilled crafts and trades. Applications are handled according to the provisions of the state statutes on equal opportunity. Applications from suitably qualified handicapped and severely handicapped persons are explicitly encouraged.