Faculty of Mechanical Science and Engineering

For the Else Kröner-Fresenius-Foundation-funded research project *Smart Catheters: solution for in vivo real time blood testing*, the Institute of Materials Science, Chair of Materials Science and Nanotechnology (Prof. G. Cuniberti) offers a position as

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

which entails 50% of the fulltime weekly hours. The position will start on **01.04.2020** and is initially limited until 31.12.2021. 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.

The scientific activities of the Chair of Materials Science and Nanotechnology are focused on developing non-conventional strategies for innovative materials and devices with intrinsic nanoscale complexity.

**Tasks:** The successful candidate will be integrated in the Bioelectronics Research Group and work in close collaboration with the research teams at the Max Bergmann Center of Biomaterials (http://www.mbc-dresden.de/). The candidate will use modern nano- and microfabrication techniques in combination with material functionalisation, as well as efficient methods for data analysis to compute and predict properties of samples to be analysed in close collaboration with experimental groups within the project network.

**Requirements:** An excellent university degree, preferably in Physics, Biology, Chemistry, Materials Science or Electrical Engineering. Previous experience in biofunctional coatings and biomedical implant devices are considered as preferential. Furthermore, personal initiative, independent work, as well as the ability to work in a team are necessary. Excellent communication and writing skills in English are required. We target at top-notch dedicated and proactive young scientists who plan to make their mark in science.

**What we offer:** You will join a team of enthusiastic scientists who pursue creatively their individual research agenda inspired by the Chair's innovative approach and support. Your research environment will include the access to state of the art research facilities and instruments and your work will be strongly benefit from a dense research network with leading institutions in Dresden. We are committed to the promotion of gender equality and a family-friendly working environment.

Applications from women are particularly welcome. The same applies to people with disabilities.

**Application Procedure:** Applicants should send their application documents, including a letter of motivation, Curriculum Vitae, publication list, and names of at least two referees to **TU Dresden, Fakultät Maschinenwesen, Institut für Werkstoffwissenschaft, Professur für Materialwissenschaft und Nanotechnik, Herrn Prof. Cuniberti, Helmholtzstr. 10, 01069 Dresden**. Deadline for applications is **11.03.2020** (stamped arrival date of the university central mail service applies). 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://tudresden.de/karriere/datenschutzhinweis