The Institute of Materials Science, Chair of Materials Science and Nanotechnology (Prof. Dr. G. Cuniberti) offers a position as

**Research Associate**

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

with 65 % of the fulltime weekly hours. The position will start at the **earliest possible date** and is embedded in the cooperative research project **Olfactorial Perceptronics** funded by the Volkswagen Foundation which aims at establishing an interdisciplinary and innovative combination between **electronic sensors** and **human perception** with a special focus on olfaction. The fixed-term position is limited for 1,5 years. The period of employment is governed by the Fixed Term Research Contracts Acts (Wissenschaftszeitvertragsgesetz - WissZeitVG).

**Tasks:** The main goals of the project are the development of a cross-disciplinary network of researchers working on electronic sensors and human perception and the preparation of a follow up grant to realize the multidisciplinary qualification of a Perceptronics research team. To this end, the successful candidate will be fully integrated in the research activities of the partners constituting the Perceptronics project: the Chair of Materials Science and Nanotechnology (Prof. Dr. G. Cuniberti) at TU Dresden, the Smell and Taste Center (Prof. Dr. Th. Hummel) and the Department of Psychotherapy and Psychosomatic Medicine (Jun.-Prof. Dr. I. Croy) at the Carl Gustav Carus University Hospital Dresden.

The position will involve the **coordination of the project** and also include monitoring of the progress of the research activities, an active role in the communication with internal and external academic and industrial partners, the **organization of international workshops and meetings**, and the assistance with and participation in writing proposals for third-party grants. Interdisciplinary thinking and team-oriented working are key requirements.

**Requirements:** For a successful application a university degree, preferably in either Medicine, Psychology, Physics, Chemistry, Materials Science or Electrical Engineering. Previous experience in empirical olfactory research, or sensor data integration and evaluation are considered as preferential. Experience in scientific writing and grant writing is regarded as a prerequisite. Furthermore, personal initiative, independent work, as well as excellent communication and writing skills in English. 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 project's innovative approach and support. Your working environment will include the access to state of the art 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, a short statement about their vision for perceptronics, a Curriculum Vitae including a full publication list, and one reference letter via the TU Dresden SecureMail Portal [https://securemail.tu-dresden.de](https://securemail.tu-dresden.de) by sending it as a **single pdf document** to jobs.nano@tu-dresden.de. with the subject: "Application Perceptronics, your_surname" or to TU Dresden, Fakultät Maschinenwesen,
Institut für Werkstoffwissenschaft, Professur für Materialwissenschaft und Nanotechnik, Herrn Prof. Cuniberti, Helmholtzstr. 10, 01069 Dresden. Deadline for applications is 20.02.2020 (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

About TU Dresden
Technische Universität Dresden as a University of Excellence is one of the leading universities in Germany, and is ranked among the 100 most innovative universities worldwide. Its distinguishing feature is a strong focus on research as well as its diversified offer of 129 courses of study in Engineering Sciences, Natural Sciences, Humanities & Social Sciences and Medicine.
It pursues a long-term overall development programme aimed at making TU Dresden an international top university.