

The German Center for Neurodegenerative Diseases (DZNE) is a unique non-university research center which is dedicated to the subject dementia and all its areas, as well as other neurodegenerative diseases. The center compasses the full spectrum of fundamental research through population sciences to health care research. The DZNE stands for excellence in research and science management, translation of scientific results into practice, interdisciplinarity and internationalization. It is a research center within the Helmholtz Organization of German research centers. With over 1,000 employees from 55 nations, spread over 10 sites, the DZNE is one of the national and international leading research centers in its research field.

Electrical Engineer (f/m)

Code: 10009/2018/11

Your Tasks

You will join an experienced, interdisciplinary project team (psychology, neuroscience, computer science, economics) working together to create innovative, research-backed and high-tech-based therapy solutions.

The central goal of the project is to develop a biometric extension for virtual reality headsets. You will be responsible for the overall design and development of the physical components of the device, starting from the first prototype and ending with a market-ready product. The development will take place in close cooperation with an industry partner, leading in its field. This is a research project funded by the German Federal Ministry of Education and Research (BMBF).

Requirements

- Degree in Electrical Engineering, Medical Engineering, Digital Engineering or a related discipline
- Experience in the field of microcontrollers, robotics, sensors or similar
- Experience using CAD, integrated circuit design
- Experience with light sensors, Bluetooth devices and protocols, USB protocol, driver programming is a plus
- Experience with low-level programming (C, Assembly) is a plus
- Excellent written and verbal communication skills in English
- Good command of German is a plus
- Excellent communication and teamworking skills

You will obtain special skills and knowledge for your scientific qualification during your activities at DZNE. The DZNE is an equal opportunity employer. It is committed to employing disabled individuals and especially encourages them to apply.

Site:	Berlin
Contact details:	Prof. Dr. Thomas Wolbers
Working hours:	part-time
Contract length:	up to 17 months
Payment, social benefits:	according to TVöD Bund
Application deadline:	January 15 th , 2019

Please apply via: <https://jobs.dzne.de/en/jobs/10262/form>