



The Charité - Universitätsmedizin Berlin is one of the largest university hospitals in Europe representing a single medical faculty that serves both Humboldt Universität zu Berlin and Freie Universität Berlin. Clinical care, re-search and teaching is delivered by physicians and researchers of the highest international standard. The Charité extends over four campuses, and has close to 100 different Departments and Institutes, which form a total of 17 different CharitéCenters. Charité is certified by the audit "family-friendly university" and a member of the "Dual Career Network Berlin" (www.dualcareer-berlin.de).

The cluster »Matters of Activity. Image Space Material« (host institution: Humboldt-University Berlin) aims to lay the foundation for a new culture of materials. The vision of the Cluster is to rediscover the analogue in the activity of images, spaces and materials in the digital age. Biology and technology, mind and material, nature and culture intertwine in a new way. In this context, the interdisciplinary research and development of sustainable practices and structures is a central concern in areas such as architecture and soft robotics, textiles, materials and digital filters, and surgical cutting techniques. <https://www.matters-of-activity.de/en/about/92/matters-of-activity-image-space-material>

The Department of Neurosurgery with Pediatric Neurosurgery of the Charité (Director: Prof. Dr. Peter Vajkoczy) at the Charité Center 15 (CharitéCenter for Neurology, Neurosurgery and Psychiatry) invites applications for the following position:

Professorship for Digital Neurosurgery
(Salary Group: W2 BBesG-ÜfBE, limited for five years)
(Ref No.: Prof. 551/2020)

The employment will be for five years with the possibility of further extension for five years or, if applicable, tenure following successful evaluation.

Within the framework of the above-mentioned Cluster of Excellence, he/she is expected to evaluate, accompany and advance the digital transformation in surgery and related disciplines as well as expand the repertoire of methods and initiate innovations. In cooperation with the Research Projects "Cutting" and "Material Form Function" of the Cluster of Excellence, new surgical cutting techniques as material digital interfaces are to be investigated and developed.

In addition, applicants should include or are expected to include the following tasks:

- the clinical, scientific and structural development of digital neurosurgery
- to combine the latest technical developments in imaging in the field of neurosurgery and implement them at the Charité
- Integration in other relevant research focuses and research networks of the Charité (www.charite.de) and in interfaculty research networks/graduate programs, as well as research projects of the CC15
- cooperation with the (pre)clinical facilities of the Charité and other institutions in Berlin and Brandenburg, especially with the Humboldt-University of Berlin (HU), the Berlin Institute for Health Research (BIH) and the Max Delbrück Center for Molecular Medicine (MDC)

The successful candidate will be engaged in teaching activities of the medical education curriculum at Charité, supervise Master and Doctoral candidates, and participate in academic self-organization. In addition, the candidate should present concepts for a good supervision of doctoral students as well as for the integration of his/her research activities into the teaching of the Charité.

Qualifications: as per § 100 Berlin Higher Education Act (BerlHG) junior professorship or postdoctoral thesis (Habilitation), or equivalent scientific achievement and teaching qualification. Completed university degree as well as doctorate (Ph.D and/or M.D.) in medicine or natural sciences with significant post-doctoral experience.

The Charité is an equal opportunity employer committed to excellence through diversity. As women are under-represented in academics, we explicitly encourage women to send in their application. Women will be given preference over equally qualified men (within the framework of the legal possibilities). We value diversity and therefore welcome all applications - regardless of gender, nationality, social background, religion or age. Equally qualified applicants with disabilities will be given preference.

Written applications according to the format specified on https://career.charite.de/am/calls/application_notes.pdf should be submitted by **July 10, 2020** under <https://career.charite.de>.

For further questions on details, please contact Prof. Dr. Peter Vajkoczy; peter.vajkoczy@charite.de