

Post-Doc - DM.111.18b

Application deadline 20.07.2018

Image Guidance Lab – Charité Department of Neurosurgery

Job Specification

In our interdisciplinary research group we investigate questions concerning the provision of multimodal image information during the planning and execution of surgery, the introduction of modern visualization strategies in patient care and teaching as well as the further development of non-invasive methods for the analysis of brain functioning. For the latter analysis we use navigated transcranial magnetic stimulation (nTMS), tractography and resting state fMRI (rsfMRI).

area of responsibility

- As part of a project funded by the Else-Kröner-Fresenius Foundation for the characterisation of tumour-induced cerebral plasticity, we are looking for a highly motivated and committed post-doc. If you are interested in translational neuroimaging and brain mapping research and your strengths lie in creative approaches and innovative solution strategies, we look forward to receiving your application documents!
- Analysis of tumor-induced cerebral plasticity based on nTMS, tractography and rsfMRI data.
- Development of image data based predictive models to predict the course of brain disease and surgical risk.
- Drafting and publication of manuscripts in leading neuroscientific journals.

requirements

- We are looking for commitment and flexibility. Strong motivation and sense of responsibility, satisfaction in multi-professional teamwork, high accuracy and reliability are a matter of course for you.
- Willingness to establish new techniques, to independently perform data analyses, prepare project reports and manuscripts.
- Applicants with experience in medical image analysis (MRI, rsfMRI, tractography) and brain mapping (nTMS) together with computational modeling experience and statistical skills are preferred. Very good written and spoken English and excellent IT skills are required.
- Distinct organisational and communicative skills and the willingness to participate in the training and supervision of new employees (e.g. doctoral candidates) in addition to academic work round off your profile.

Working conditions & services

hiring date

as of now

length of employment

2 years

working hours

65% weekly working time (negotiable)

gratuity

E13 TVöD VKA-K

Organizational matters

extra information

The Charité - Universitätsmedizin Berlin makes its personnel decisions based on suitability, competence and professional performance. The Charité aims to increase the proportion of women in management positions and therefore urges women to apply. In the case of equivalent qualifications, women are given priority within the framework of legal possibilities. Applications from people with a migrant background who meet the requirements for employment are expressly welcome. Handicapped applicants with equal qualifications are preferred. When hired, a police clearance certificate is required, in some cases an extended clearance certificate. Unfortunately, the application documents can only be returned if a sufficiently stamped return envelope is enclosed. Travel expenses cannot be reimbursed.

Application address

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