

Postdoctoral Researcher in Magnetoencephalography and Parkinson's disease

Karolinska Institutet, Department of of Clinical Neuroscience

The Department of Clinical Neuroscience (CNS) conducts research and education in the field of neuroscience from the molecular level to the society level. The clinical research and education is conducted in collaboration with other research groups from the Karolinska Institutet, with other universities as well as the Stockholm County Council.

Please visit our website for more information: ki.se/en/cns

Position

Applications are invited for a postdoctoral position at NatMEG, Karolinska Institutet, within an ongoing project aimed at new diagnostics for Parkinson's disease (PD) and related prodromal and at-risk stages of this condition. The position is for minimum 1.5 years, with the possibility of extending the position for a maximum of another 2.5 years, given extended funding of the project. The successful candidate will collect MEG data, develop experimental protocols, and develop analysis methods aimed at characterizing disease severity and disease progression in individuals with PD, and at detecting individuals at risk of developing this condition. The candidate will be part of an ongoing project, but will be welcome and expected to influence the design of studies, experimental design, choice of analysis approach, etc. within the project.

Division

NatMEG is the first and only research laboratory in Sweden for whole-head measurements of neuronal brain activity using magnetoencephalography (MEG). The NatMEG lab was inaugurated in October 2013, and is a national facility, available for researchers from all across Sweden. Because of this, projects at NatMEG span across the areas of instrumentation (e.g. next generation SQUIDS), clinical applications (epilepsy evaluations), clinical neuroscience (e.g. Parkinson's and Alzheimer's disease, ADHD, autism, hypertension, and preterm infants) and cognitive neuroscience (e.g. memory, language, attention, perception, pain, music, decision making, emotion recognition). The candidate will be supervised by Associate Professor Daniel Lundqvist, Head of unit at NatMEG (<http://www.natmeg.se/>).

Entry requirements

Qualified to be employed as a postdoctor is one who has obtained a doctorate or has equivalent scientific competence.

Absolute requirements for the position:

- Has very strong skills and expertise in MEG analysis (preferably in at least FieldTrip and/or MNE).
- Has extensive MEG hands-on experience from MEG data collection (preferably on an Elekta Triux or Vectorview system).
- Masters academic English

Preferred requirements:

- Has strong skills and expertise in designing and setting up MEG/EEG experiments.
- Has a background and research interest within the cognitive neuroscience or clinical neuroscience domain.
- Has interest in, experience from, and/or expertise regarding Parkinson's disease or movement disorders.
- Has experience from MEG data collection on patients.
- Has experience from organizing and sharing data and analysis scripts from MEG projects.
- Is independent, professional, and service minded.
- Enjoys interacting with researchers and research subjects.

Application process

An employment application must contain the following documents in English or Swedish:

1. A complete curriculum vitae, including date of the thesis defence, title of the thesis, previous academic positions, academic title, current position, academic distinctions, and committee work
2. A complete list of publications
3. A summary of current work (no more than one page)
4. Clear description of how entry requirements are met

The application is to be submitted through the Varbi recruitment system.

Qualified candidates will be initially interviewed over Skype, and will also be asked to make a presentation of her/his research and research plans over Skype. The final evaluation of candidates may involve a lab visit and a formal interview at NatMEG and Karolinska Institutet.

Karolinska Institutet is one of the world's leading medical universities. Its vision is to significantly contribute to the improvement of human health. Karolinska Institutet accounts for the single largest share of all academic medical research conducted in Sweden and offers the country's broadest range of education in medicine and health sciences. The Nobel Assembly at Karolinska Institutet selects the Nobel laureates in Physiology or Medicine.

Pursuant to the regulations of the Swedish National Archives, applications are kept on file for two years after the appointment has gained legal force. The regulations do not apply to attachments that have been printed or otherwise published.

Karolinska Institutet strives to provide a workplace that has approximately the same number of women and men, is free of discrimination and offers equal opportunity to everyone.

For temp agencies and recruiters, and to salespersons: We politely, yet firmly, decline direct contact with temp agencies and recruiters, as well as those selling additional job announcements.

Type of employment	Temporary position longer than 6 months
Contract type	Full time
First day of employment	As soon as possible, according to agreement
Salary	Monthly salary
Number of positions	1
Working hours	100%
City	Stockholm
County	Stockholms län
Country	Sweden
Reference number	2-5505/2018
Contact	Elin Hambergård, HR-administrator elin.hambergard@ki.se Daniel Lundqvist, Head of unit daniel.lundqvist@ki.se
Union representative	Venus Azhary, OFR 0707-124 127 Henry Wölling, SEKO henry.wolling@ki.se Arsalan Amir, SACO 08 - 517 733 37, arsalan.amir@ki.se
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Link to ad	http://ki.mynetworkglobal.com/what:job/jobID:230309/