

Radboud University Nijmegen is a comprehensive university with a broad focus. It has a modern, green campus that boasts various state-of-the-art facilities. Radboud University emphasizes personal attention, intensive education and a strong sense of community. All in all, this results in high-quality education and research and interdisciplinary cooperation, which make Radboud University a successful university of international standing.

Postdoc and PhD Positions in Cognitive Neuroscience of Memory (1,0 fte)

Donders Institute, Centre for Cognitive Neuroimaging

Maximum salary: €4.418 gross/month

Vacancy number: 30.08.13

Closing date: 10 July 2013

Responsibilities

We seek highly talented and motivated postdoctoral researchers and PhD students to join a project investigating a new model of memory organisation - both in space and time- and to examine how mnemonic representations interact with brain systems involved in decision making. We are also interested in translating this approach to understand how hippocampal memories can be systematically modified. In this project, you will have the opportunity to apply an array of neuroimaging techniques (fMRI, including layer-resolved imaging at 7T, and MEG - analysed using multivariate and connectivity methods) in combination with interactive virtual-reality learning paradigms.

You will join the 'Memory and Space' PI group led by Christian Doeller at the Donders Institute for Brain, Cognition and Behaviour at Radboud University Nijmegen (Netherlands). Our group investigates brain systems, which support the transformation of experience into enduring episodic memories, and seeks to understand how these networks help us to map and navigate our environment (see www.doellerlab.com). The group has particular expertise in using computationally informed proxy measures of cellular activity in neuroimaging and you will receive extensive supervision and training in experimental design and cutting-edge multimodal neuroimaging techniques. In addition, you will be given the opportunity to co-supervise students and regularly present your work at international conferences and meetings. You will be particularly encouraged and supported in applying for competitive career development fellowships towards the end of the project with a view to pursuing your own research agenda.

Work environment

The Donders Institute for Brain, Cognition and Behaviour consists of the Centre for Cognition, the Centre for Cognitive Neuroimaging, and the Centre for Neuroscience. The mission of the Centre for Cognitive Neuroimaging - where our group is based - is to conduct cutting-edge fundamental research in cognitive neuroscience. Much of the rapid progress in this field is being driven by the development of complex neuroimaging techniques for measuring activity in the human brain - an area in which the Centre plays a leading role. The research themes cover central cognitive functions, such as perception, action, control, decision making, attention, memory, language, learning and plasticity. The Centre also aims to establish how the different brain areas coordinate their activity with very high temporal precision to enable human and animal cognition. The internationally renowned centre currently has more than 100 PhD students and postdoctoral researchers from more than 25 nationalities, offering a stimulating and multidisciplinary research environment. The centre is equipped with four MRI scanners (7T, 2x 3T, 1.5T), a 275-channel MEG system, an EEG-TMS laboratory, several (MR-compatible) EEG systems, and high-performance computational facilities. English is the lingua franca at the centre.

What we expect from you

You should have a PhD degree (postdoctoral position) or an MSc degree or equivalent (PhD student position) in a field related to cognitive neuroscience (e.g. experimental psychology, cognitive science,

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biology or neuroscience. Candidates with a strong background in memory and/or spatial cognition research are particularly encouraged to apply. Selection will be based on records of published research, conceptual expertise in cognitive neuroscience of memory and/or spatial cognition and familiarity with neuroimaging techniques. You are expected to work in an interdisciplinary environment, sharing technical know-how and ideas.

What we have to offer

We offer you:

- employment: 1,0 fte;
 - a maximum gross monthly salary of € 4.418 based on a 38-hour working week (salary scale 11);
 - in addition to the salary: an 8% holiday allowance and an 8.3% end-of-year bonus;
 - Postdoctoral contract: depending on experience the gross salary will be between € 3,227 and € 4,418.
- PhD student contract: the starting salary amounts to € 2,062 per month and will increase to € 2,638 per month in the fourth year;
- duration of the contract: postdoctoral contract: 3 years (extendable); PhD student contract: 4 years;
 - the positions are available from September 2013, but the start date of the contract is flexible. Successful candidates from abroad are eligible to apply for the attractive Dutch tax incentive scheme for foreign employees;
 - postdocs will be ranked as 'Onderzoeker, niveau 3' in the Dutch university job-ranking system (UFO);
 - PhD students will be part of the Donders Graduate School for Cognitive Neuroscience.

Are you interested in our excellent employment conditions (<http://www.ru.nl/english/arbeidsvoorwaarden>)?

Other Information

Dr Christian Doeller, Principal Investigator and Associate Professor, can be met at OHBM 2013.

Would you like to know more?

Further information on: Donders Institute (<http://www.ru.nl/Donders>)

Dr Christian Doeller, Principal Investigator and Associate Professor

E-mail: christian.doeller@donders.ru.nl

Applications

Are you interested?

Review of applications will begin immediately and applications will be considered until the positions are filled.

You can apply for the position (please quote vacancy number 30.08.13) by sending of a single PDF file, including a short application letter (one page max.), a one-page summary of your research including future research plans, your CV incl. a list of publications (3 pages max.) and the names and contact details of two scientists who can provide references to: vacatures@dpo.ru.nl. The application deadline is 10/07/2013.

It is Radboud University Nijmegen's policy to only accept applications by e-mail. Please send your application, *stating vacancy number 30.08.13*, to vacatures@dpo.ru.nl, for the attention of Dr Christian Doeller, before 10 July 2013.

For more information on the application procedure: 024 3611173

No commercial propositions please.

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