

Postdoc positions available



**NEDERLANDS
HERSENINSTITUUT**
Master the mind

to study causes and consequences of insomnia

Full-time or part-time to complement one's own funding, while having access to a fully equipped psychophysiology- & sleep lab, imaging facilities, web-based assessment and a database of > 14.000 multi-survey characterized people.

Tools: fMRI, EEG-fMRI, HD-EEG, TMS, GWAS, LCA

Keywords: sleep, emotion, arousal, high-density EEG, fMRI, TMS, insomnia, internet assessment, database, latent class and latent trait analysis.

Netherlands Institute
for Neuroscience

Meibergdreef 47
1105 BA Amsterdam
The Netherlands

T +31 20 566 55 00
F +31 20 566 61 21
www.herseninstituut.knaw.nl

IBAN: NL33 DEUT 0546 9000 54
BIC: DEUTNL2N

The Sleep & Cognition group at the Netherlands Institute for Neuroscience in Amsterdam, the Netherlands, applies MRI, 256-channel EEG, TMS and internet assessment for top-notch neuroscience research on causes and consequences of disturbed sleep. The group has four-bedrooms equipped with 256-chn HD-EEG, a 256-chn HD-EEG-fMRI setup and access to MEG, 3T and 7T MRI at collaborating sites nearby. To facilitate phenotyping and recruitment, the group created a database of 14.000 possible volunteers, well-characterized through internet assessment. A group profile is available at www.nin.knaw.nl/research_groups/van_someren_group/

The group invites excellent candidates with a PhD degree and ample relevant experience to apply for a postdoc position that aims to elucidate brain mechanisms underlying causes and consequences of insomnia.

One postdoc will use a database of psychometry profiles collected in the Netherlands Sleep Registry platform (www.sleepregistry.org), to perform latent class and latent trait analyses to define subtypes within the heterogeneous population of insomniacs.

The other postdoc will use 256-channel sleep EEG, TMS and fMRI in Sleep Registry participants with well-defined subtypes of insomnia to unravel the brain mechanisms involved in their particular insomnia phenotype.

A part-time appointment would be feasible for candidates that have project funding for their own salary but want to save on it while having access to a fully equipped psychophysiology lab; a win-win situation if expertise/topics match. Candidates that can introduce genetic analyses to our database are invited to respond as well.

Candidate have ample experience, have a track record that includes good scientific papers, and have good writing skills. Experience with at least part of the appropriate software like Mplus, R, Matlab, FSL, SPM is required. Experience with javascript, php, html will be appreciated. Mastery of the Dutch language will facilitate conducting the experiments with people suffering from insomnia.

The position will be for one-two years with a possibility for extension. As stated part-time appointment, e.g. strategically combined with self-acquired project funding can be discussed. Applications including a letter stating motivation and relevant background, a CV and letters of recommendation of two referees can be emailed until June 31, 2013, to Prof. dr. E.J.W. Van Someren, e.van.someren@nin.knaw.nl.