

Post doctoral position: Functional characterization of neurons derived from human induced pluripotent stem cells

Job description

One postdoctoral position is available at the Radboud University Medical Centre Nijmegen/Donders Centre for Brain, Cognition and Behaviour.

We are seeking a highly qualified and motivated individual to apply for a post-doctoral research position for the functional characterization of neurons derived from human pluripotent stem cells (hIPSCs). The project specifically consists of evaluating the function of a chromatin-modification module implicated in intellectual disability. Electrophysiological analysis on neuronal cells derived from patient iPSCs will be performed to characterize synaptic activity and network properties and to understand the epigenetic mechanisms underlying the disorder.

The title of the project: HARNESSING THE POTENTIAL OF INDUCED PLURIPOTENT STEM CELLS FOR COGNITIVE DISORDERS

Work environment

The applicant will be part of the Donders Centre for Brain, Cognition and Behaviour. We offer a stimulating scientific environment in a dynamic, young team, state-of-the-art facilities, and individually tailored training. The Donders Centre for Brain, Cognition and Behaviour is one of the largest concentrations of neuroscience research in Europe (with over 100 faculty members), ranging from human cognition, to clinical studies, to cellular and molecular studies to computational studies, providing an excellent intellectual environment and infrastructures.

For more information please see the website: <http://www.ru.nl/donders/research/theme-3-plasticity/>

The postdoc will work in the group of Dr. Nael Nadif Kasri and Prof. Dr. Hans van Bokhoven, in close collaboration with the group of Dr. Jo Zhou from the RIMLS, Nijmegen.

Requirements

Candidates for the position should have a PhD degree in a field related to neurophysiology, neurobiology and/or cellular biology

- Strong background in neuroscience
- Previous lab experience in electrophysiology, patch clamp and/or multi electrode arrays
- Expertise in data collection, signal processing, and data analysis using Matlab (or other) software is a plus
- Previous lab experience in pluripotent stem cells and differentiation of neurons is a plus
- Demonstrated ability to work independently and as a member of a multidisciplinary team
- A good command of English

Conditions of employment

- Contract type: temporary
- Contract length: 3 years
- The salary will be determined based on experience
- Start date is Summer 2014. Applications will be accepted until position is filled.

Information

Applications should include a cover letter stating your research interests, a CV, and the names and contact information of at least two referees.

Please send applications and questions via email to:

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