



The Netherlands Institute for Neuroscience is an institute of the Royal Netherlands Academy of Arts and Sciences (KNAW). It carries out fundamental and strategic research in the neurosciences with an emphasis on research of the brain and the visual system

The Synapse and Network Development (SND) Lab has an outstanding opportunity for a

PhD-student position (full-time)

or

Post-doctoral researcher position (full-time) for

In vivo imaging and electrophysiology of developing cortical circuits

Are you interested in how synaptic plasticity shapes the developing brain? Do you want to use state-of-the-art imaging and electrophysiological equipment to observe how neurons make functional networks and employ optogenetics to understand the mechanisms of brain wiring? Can you work in an international environment where you follow up on your ideas and still have the support of experts around you? Then this job may be for you.

Desired skills and experience

- PhD or master degree or equivalent in neuroscience.
- Experience with live cell microscopy and/or patch-clamping, as well as programming are a plus.
- Good oral and written communication skills in English.

Team

Our group investigates the mechanisms underlying the precise wiring of the brain. We use cutting-edge optical techniques, including high-speed in vivo 2-photon microscopy, combined with patch-clamp recordings or optogenetics in mice. Our goal is to identify the early activity patterns and plasticity mechanisms that are responsible for fine-tuning synaptic connections in the developing cortex. The Netherlands Institute for Neuroscience in Amsterdam is the country's leading fundamental neuroscience research institute. It provides a highly interactive and dynamic multi-cultural research environment and helps starting foreign employees with finding housing and acquiring residence permits. For further information, see <https://nin.nl/research/researchgroups/lohmann-groep/>.

Appointment

The position is for a period of 3 or 4 years in total for a postdoctoral researcher or PhD-student, respectively. The first appointment is for one year with an extension for the remaining period pending on an evaluation.

Salary

This will be commensurate with experience and institutional guidelines based on the Collective Labour Agreement for Dutch Universities; (CAO NU) in scale 10. Full time monthly salary for a PhD student is € 2,325.- (1st year) / € 2,979.- (4th year) before taxes. The starting salary for a postdoctoral

researcher depends on experience and ranges from € 3,123.- to € 3,514.- before taxes. A 8% holiday allowance and 8.3% year-end bonus are excluded. We offer an extensive package of fringe benefits.

To apply

Please, send your applications to e.pfaff@nin.knaw.nl

1. A Curriculum Vitae
2. Two reference letters
3. A research statement (½-1 page): summarize prior experience, future goals, and address how you think you can profit from and contribute to the current research in the SND group.

Evaluation of candidates will begin immediately and will continue until the position is filled.

Any acquisition further to this advertisement will not be appreciated