

# PhD and Postdoctoral Positions in Neuroplasticity and Memory

The Nabavi lab at the Danish Research Institute of Translational Neuroscience – DANDRITE is seeking highly motivated and ambitious PhD and postdoc candidates to investigate the cellular mechanisms of memory consolidation, including the role of neuromodulators, in rodents (WT and transgenics). This follows our recent work where we established the causative role of Long Term Potentiation and Long Term Depression in memory formation (Nabavi et al., 2014, Nature). We use a range of techniques from *in vitro* and *in vivo* electrophysiology and imaging to molecular biology, optogenetics and behavioral analysis (see further description here). We are funded by the ERC Starting Grant from the European Research Council, which gives our project long term security and excellent prospect for development. The positions are fully funded and are offered for an initial term of two years, with the possibility of prolongation.

## Qualifications

The qualified **PhD candidates** may have a bachelor degree in biology and biomedical sciences. However, those applicants with backgrounds in physics, computer science and electrical engineering that would like to employ their expertise in the field of neuronal/circuit plasticity are encouraged to apply. **Postdoctoral candidates** will have a PhD in the biological, biochemical or biomedical sciences with relevant research experience in neuroscience and at least one first author primary research article in a major peer-reviewed journal. Strong background in optrode recording and deep tissue *in vivo* imaging (microendoscopy) is highly desired. The successful candidates are expected to have strong skills in English.

## Formalities

The positions are fully funded and are offered for an initial term of two years, with the possibility of prolongation for up to two additional years. The successful candidates are expected to start their employment in the spring 2016, but this is negotiable. The place of employment will be at Aarhus University, Department of Molecular Biology & Genetics, whereas the place of work of Sadegh Nabavi's research group is located at Department of Biomedicine. PhD positions are administered through the Graduate School of Science and Technology (GSST) with four admission rounds per year. DANDRITE is the Danish node of the Nordic EMBL Partnership for Molecular Medicine and is hosted by Aarhus University (read more about DANDRITE here).

## How to apply

To apply please send a single PDF file to [snabavi@dandrite.au.dk](mailto:snabavi@dandrite.au.dk) containing a cover letter describing your research experience and interests, a CV, and contact information of at least two references. Postdoctoral applicants are encouraged to submit a project proposal as well. Applications will be accepted until the end of December 2015.

**Starting date:** In the spring 2016, but negotiable

**Application deadline:** December 31, 2015

## Contact

Applicants seeking further information are invited to contact: Group Leader/Associate Professor Dr. Sadegh Nabavi, E-mail: [snabavi@dandrite.au.dk](mailto:snabavi@dandrite.au.dk)