

## 2-year postdoc position – part of Innovative Medicines Initiative: “IMPRiND” 899353

**Jensen Group - Neurodegenerative Disease Laboratory** at DANDRITE (The Danish Research Institute of Translational Neuroscience, see [dandrite.au.dk](http://dandrite.au.dk)), wants to fill vacant position.

The postdoctoral position is a full-time position with 37 hours per week. Preferential starting date is from June 2017. The main goal of the project is: "Modelling effects of Parkinson-associated alpha-synuclein aggregates on cellular calcium homeostasis".

DANDRITE is the Danish node of the Nordic EMBL Partnership for Molecular Medicine. DANDRITE was established by Lundbeckfonden and Aarhus University in 2013 and performs basic and translational research in brain and the nervous system. DANDRITE is an interdisciplinary research centre affiliated with two faculties at Aarhus University, the Faculty of Health and the Faculty of Science and Technology. The centre has ties to Aarhus University Hospital.

The workplace address is Aarhus University, Ole Worms Allé 3, Bldg. 1171, 8000 Aarhus C.

### Job responsibilities

The applicant will perform cell biological experiments in cell lines and isolated neurons and conduct fluorescence based cytosolic calcium measurements. As calcium sensors will be used Fura2 and viral based genetic calcium sensors. Moreover, the applicant will identify optimal genetic calcium sensors and generate neurons specific expression vectors for their use in primary brain cell cultures. The Jensen Group has recently made progress to understand the role of intracellular alpha-synuclein aggregates effects on cellular calcium homeostasis. This project aim as part of the IMPRiND consortium to develop this insight into cell based assays that will allow comparative studies between different alpha-synuclein aggregate strains and to conduct mechanistic studies on selected targets.

### Specific competences

The ideal candidate has experience in live cell microscopy, cellular calcium imaging and viral vector based gene expression. Furthermore the candidate is expected to be able to manage projects, interact with international collaborators, develop novel technical approaches, conduct firm, kind and thorough supervision and be a good team player

**For further information** about the position: prospective candidates are encouraged to contact Professor Poul Henning Jensen, e-mail: [phj@biomed.au.dk](mailto:phj@biomed.au.dk) (please note that applications cannot be sent to this e-mail address - see section on 'Application' below) before deciding on submitting an application.

### Application deadline

All applications must be made online and received by:  
30.04.2017

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