

## 2 Year Postdoctoral position on “Human Pluripotent Stem Cells and Parkinson’s Disease”

### Research Area and Project Description

A funded two-year postdoctoral position is available from February 2016, in Mark Denham’s research group, where human induced pluripotent stem cells and genome editing technologies are used to develop *in vitro* models of Parkinson’s disease. We combine cell reprogramming, genome engineering, lentiviral gene delivery and stem cell differentiation techniques to study the cellular changes associated with Parkinson’s disease.

The purpose of the postdoc is to develop an *in vitro* model of Parkinson’s disease and to study the cellular and molecular mechanisms of the pathology by single cell sequencing techniques.

### Qualifications and Specific Competences

We are looking for an outstanding scientist, who has a strong background in human pluripotent stem cell biology. Applicants must have a PhD degree (in neurobiology or equivalent) or have submitted their PhD thesis for assessment before the application deadline. Preference will be given to candidates with expertise in single cell sequencing techniques and in molecular biology. The supervisor is Nordic EMBL Group Leader/Associate Professor Dr. Mark Denham.

### Place of Employment and Place of Work

The place of employment is Aarhus University (AU), Department of Biomedicine and the place of work is Mark Denham’s Research Group (see <http://dandrite.au.dk/denham>), DANDRITE (Danish Research Institute of Translational Neuroscience), Ole Worms Allé 3, 8000 Aarhus C, Denmark. DANDRITE is the Danish node of the Nordic EMBL Partnership for Molecular Medicine and is hosted at Aarhus University, Denmark.

DANDRITE is an EMBL partner research center pursuing fundamental and translational Neuroscience research. Core funding is supplied by the Lundbeck Foundation and Aarhus University, and is supplemented by grants from national and international agencies. Aarhus city is situated in Denmark and is a city offering an outstanding scientific and cultural environment.

### Formalities and salary range

The appointment is for two-year with the possibility of further extension. A competitive salary and access to state-of-the-art research facilities will be provided.

**Starting date:** February 1<sup>st</sup> 2016, but negotiable.

**Application deadline:** December 18, 2015

Applicants are referred to the [full text advert](#) via [AU webpage](#) and application must be done via the university [online application wizard](#).

### Contacts

Applicants seeking further information are invited to contact: Group Leader/Associate Professor Dr. Mark Denham, Phone: +45 2398 2078. E-mail: [mden@dandrite.au.dk](mailto:mden@dandrite.au.dk)