Postdoctoral position within molecular aspects of Parkinson's Disease

We are seeking applicants for a postdoctoral position of 3 years and 8 months at iNANO, starting 1 August 2025 or as soon as possible hereafter.

Expected start date and duration of employment

3 years and 8 months from 1 August 2025 or as soon as possible hereafter.

Job description

You will work with antibodies, small molecules and peptides that target the cytotoxic oligomer of α-synuclein involved in Parkinson's Disease. This is part of a vibrant multidisciplinary network collaboration headed by Prof. Daniel Otzen, AU, and including collaborators Dr. Simon Glerup (Draupnir and AU), Prof. Mads Hartvig Clausen (DTU) and U Copenhagen scientists Dr. Céline Galvagnion, Prof. Nikos Hatzakis, Prof. Martin Lauritzen and Dr. Krzysztof Kucharz. Work includes purification and biophysical analysis of monoclonal antibodies, biophysics of α-synuclein aggregation and biophysical and cellular assays to screen α-synuclein interactions with antibodies, liposomes and other molecules. You will interact with experts within stem cells, liposome single-particle microscopy and 2-photon microscopy for blood-brain-barrier transport imaging. More information can be found in a brief overview of the research consortium's strategies here and original articles here (antibodies) and here (screening).

Your profile

Applicants should hold a PhD in experimental protein science, preferably with experience in biophysical and/or cellular techniques in protein aggregation and neurodegenerative diseases. You are expected to have a very good command of oral and written English and to have a good track record in clear and effective oral and written scientific communication. You are self-driven and take ownership of your project but also enjoy working in a scientific team where each member has their own individual profile and expertise. Experience in coordinating inputs from multiple partners in scientific projects is an added advantage.

Who we are

Work will be carried out at iNANO in the group of Daniel Otzen within his Pioneer Innovator project PARSOL (AU, Draupnir and DTU) and his research network NanoPANS.
We maintain close, regular and mutually interdependent contacts with our collaborators at Draupnir, U Copenhagen and DTU, creating a vibrant and enthusiastic mission-driven atmosphere.

We offer:

- an exciting interdisciplinary environment with many collaborators within different disciplines
- a research climate encouraging lively, open and critical discussion within and across different fields of research
- a work environment with close working relationships, networking and social activities
- a workplace characterised by professionalism, equality and a healthy work-life balance.

Place of work and area of employment

The place of work is Aarhus, and the area of employment is Aarhus University. There will be regular contacts with, and visits to, other members of PARSOL and NanoPANS.

Contact information

For further information, please contact: Professor Daniel Otzen, dao@inano.au.dk

Deadline

Applications must be received no later than 1 May 2025.

Application procedure

Shortlisting is used. This means that after the deadline for applications – and with the assistance from the assessment committee chairman, and the appointment committee if necessary, – the head of department selects the candidates to be evaluated. All applicants will be notified whether or not their applications have been sent to an expert assessment committee for evaluation. The selected applicants will be informed about the composition of the committee, and each applicant is given the opportunity to comment on the part of the assessment that concerns him/her self. Once the recruitment process is completed a final letter of rejection is sent to the deselected applicants.

Letter of reference

If you want a referee to upload a letter of reference on your behalf, please state the referee's contact information when you submit your application. We strongly recommend that you make an agreement with the person in question before you

enter the referee's contact information, and that you ensure that the referee has enough time to write the letter of reference before the application deadline. Unfortunately, it is not possible to ensure that letters of reference received after the application deadline will be taken into consideration.

If you wish to add a referee **after** you have submitted your application, you must send this person's details (name, job title, place of work, and email address) as well as the name of the position you have applied for to: HR.Nattech@au.dk

Formalities and salary range

Natural Sciences refers to the Ministerial Order on the Appointment of Academic Staff at Danish Universities under the Danish Ministry of Science, Technology and Innovation.

The application must be in English and include a curriculum vitae, degree certificate, a complete list of publications, a statement of future research plans and information about research activities, teaching portfolio and verified information on previous teaching experience (if any). Guidelines for applicants can be found here.

Appointment shall be in accordance with the collective labour agreement between the Danish Ministry of Taxation and the Danish Confederation of Professional Associations. Further information on qualification requirements and job content may be found in the Memorandum on Job Structure for Academic Staff at Danish Universities.

Salary depends on seniority as agreed between the Danish Ministry of Taxation and the Confederation of Professional Associations.

Aarhus University's ambition is to be an attractive and inspiring workplace for all and to foster a culture in which each individual has opportunities to thrive, achieve and develop. We view equality and diversity as assets, and we welcome all applicants.

Research activities will be evaluated in relation to actual research time. Thus, we encourage applicants to specify periods of leave without research activities, in order to be able to subtract these periods from the span of the scientific career during the evaluation of scientific productivity.

Aarhus University offers a broad variety of services for international researchers and accompanying families, including relocation service and career counselling to expat partners. Read more here. Please find more information about entering and working in Denmark here.

Aarhus University also offers a Junior Researcher Development Programme targeted at career development for postdocs at AU. You can read more about it here.

At the Faculty of Natural Science at Aarhus University, we strive to support our scientific staff in their career development. We focus on competency development and career clarification and want to make your opportunities transparent. On our website, you can find information on all types of scientific positions, as well as the entry criteria we use when assessing candidates. You can also read more about how we can assist you in your career planning and development.

The application must be submitted via Aarhus University's recruitment system, which can be accessed under the job advertisement on Aarhus University's website.

Aarhus University

Aarhus University is an academically diverse and research-intensive university with a strong commitment to high-quality research and education and the development of society nationally and globally. The university offers an inspiring research and teaching environment to its 38,000 students (FTEs) and 8,300 employees, and has an annual revenues of EUR 935 million. Learn more at www.international.au.dk/