

A three-year postdoc position to investigate structure and function relations of receptor-mediated signalling in plant-microbe interactions

A three-year position in structural biology and plant biochemistry is available at the Department of Molecular Biology and Genetics, Aarhus University, Denmark.

The position is for a three-year period starting from 1 May 2021 or as soon as possible thereafter.

Research area: Structural Biology, Biochemistry and Receptor signalling.

Research project: The postdoc position is available in Associate Professor Kasper Røjkjær Andersen's group within the section for Plant Molecular Biology. Investigation of the structural and functional aspects of receptors and signalling components important for plant-microbe interactions is a central theme in the group and we have recently obtained the first structures of a symbiotic receptor ([Bozsoki, Science 2020](#)) and a surveillance receptor ([Wong, Nature comm. 2020](#)). The postdoc project build on these advances and aims to use advanced methodology to expand our knowledges on how receptors form larger complexes and how pathway components decode this in symbiosis signalling. The project involves protein expression, purification and structural/functional characterization. We use different structural methods like cryo-electron microscopy and X-ray crystallography and biophysical methods like thermophoresis, bilayer interferometry together with other biochemical techniques and plant genetics to elucidate functions.

Applicants should have a strong background in structural biology (cryo-electron microscopy/X-ray crystallography) and experience in protein biochemistry and biophysical techniques.

Who we are/ The department

The Department of Molecular Biology and Genetics is part of the Faculty of Natural Sciences, Aarhus University and comprises research within the areas of Gene Expression, Molecular Medicine, Structural Biology, Systems Biology and Plant Molecular Biology. There are currently 75 full time scientific staff and 120 PhD students. The department is responsible for two educations: Molecular Biology and Molecular Medicine with a yearly uptake of 160 students in total. Please read more [here](#) for further information about The Department of Molecular Biology and Genetics and to [here](#) and [here](#) for information on Faculty of Natural Sciences and Aarhus University, respectively.

Place of work

The place of work is Department of Molecular Biology and Genetics, Gustav Wieds Vej 10 C, 8000 Aarhus C, and the area of employment is Aarhus University with related departments.

Contact information

For further information please contact: Assistant professor Kasper Røjkjær Andersen (kra@mbg.au.dk)

Application deadline

1 March 2021.

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

Application Deadline:
01 March 2021

Faculty:
Faculty of Natural
Sciences

Institute/Faculty:
Department of
Molecular Biology and
Genetics

**Academic contact
person:**
Kasper Røjkjær
Andersen
Lektor
kra@mbg.au.dk

Vacant positions:
1

Hours per week:
37

Number of months:
36

**Expected date of
accession:**
01/06/2021

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.

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 Finance 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 Finance and the Confederation of Professional Associations.

All interested candidates are encouraged to apply, regardless of their personal background. 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](#).

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 8,000 employees, and has an annual revenues of EUR 885 million. Learn more at www.international.au.dk/