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## PHD SCHOLARSHIP AT AARHUS UNIVERSITY

### STRUCTURAL AND FUNCTIONAL STUDIES of eukaryotic membrane proteins involved in sterol transport

A PhD position is available in membrane protein biochemistry and structural biology in the research group of Dr. Bjorn P Pedersen at the Department of Molecular Biology and Genetics, Aarhus University, Denmark.

The group studies the structure-function relationship of membrane proteins involved in metabolite uptake, primarily sterol and sugar uptake, as well as their regulation from a structural perspective. The PhD project will involve expression, purification and structural/functional characterization of membrane proteins involved in sterol transport and homeostasis (Winkler et al. Cell 179 (2019)). Methods learned and used will be cryo-electron microscopy and X-ray crystallography, as well as various biochemical methods to elucidate function.

The project is fully funded by the Danish Council for Independent Research, and will be based in the laboratory of Dr. Bjorn P. Pedersen (<http://pedersenlab.dk>). It would ideally suit an outstanding biochemistry graduate with a strong interest in structural biology. The candidate should have molecular biology, protein production and purification experience. Experience with membrane proteins or protein structure determination will be an advantage. Full training will be provided in all necessary areas of protein biochemistry and structural biology. Good English language skills are essential. Salary will be according to the collective agreement between the Danish Confederation of Professional Associations and the Danish State. The position will be filled as soon as a suitable candidate is identified.

Applicant should send a CV, cover letter and names of two referees to Dr. Bjorn P Pedersen ([bjpp@mbg.au.dk](mailto:bjpp@mbg.au.dk)). Deadline is July 31st.

#### **The city**

In Aarhus you have easy access to beautiful nature and an exciting culture and city life that make Aarhus a wonderful place to live and work. See <https://international.au.dk/life/locations/> for further details on the city and the university.



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DEPARTMENT OF MOLECULAR BIOLOGY AND GENETICS