



Jobbnorge-ID: 134112

Søknadsfrist: Avsluttet

Nettside:

Omfang:

Varighet:

Post-Doctoral Research Fellowship in modeling of intracellular membranes

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Job description:

A 3-year post-doctoral research fellowship is available at the Department of Mathematics, Section for Mechanics at the University of Oslo. Within the framework of the position duties may be assigned. Starting date for the position is flexible but no later than 1. august 2017. No one can be appointed for more than one specified period at the same institution.

The project is funded by the Research council of Norway, lead by Associate Professor Andreas Carlson and focuses on the development of mathematical models and numerical simulations of cell membrane dynamics. More specifically, it will address the basic mechanochemical processes that regulate one of the most fundamental communication pathways in cell biology - the encapsulation and internalization of liquid and transmembrane cargo at intracellular membranes. The project work will be conducted in close collaboration with experimental cell biologists at Oslo University Hospital (Professor Harald A. Stenmark).

Requirements and qualifications:

The Faculty of Mathematics and Natural Sciences has a strategic ambition of being a leading research faculty. Candidates for these fellowships will be selected in accordance with this, and expected to be in the upper segment of their class with respect to academic credentials.

We are looking for an enthusiastic and determined individual who can work both independently as well as in the context of a team. The successful candidate is capable of conceptual thinking, is looking forward to learning new techniques, has good communication skills and is well organized. Experience in multidisciplinary research and knowledge of basic methods in membrane modelling, biophysics, numerical simulations of PDE's and/or fluid mechanics is highly beneficial.

Potential candidates must have completed or about to complete a PhD degree in physics, biophysics, applied mathematics, mechanics or similar, with publications in internationally well-regarded, peer-reviewed scientific journals. Applicants with publications in press are also considered.

The main purpose of post-doctoral research fellowships is to qualify researchers for work in top academic positions within their disciplines.

Please also refer to the regulations pertaining to the conditions of employment for post-doctoral fellowship positions:
<http://www.uio.no/english/about/regulations/personnel/academic/regulations-employment-conditions-postdoc.html>

A good command of English is required.

Salary:

Position code 1352, Salary: NOK 486 100 - 567 100 per year, (pay grade 57 - 65), depending on qualification and seniority.

The application must include:

- 1.) A concise application letter explaining your motivation for this position (max 1-2 pages).
- 2.) Curriculum vitae including a list of publications (max 2 pages).
- 3.) A document with a list of names and contact information of at least three individuals who will provide letters of recommendation on request.
- 4.) Up to 4 publications the applicant wants to share with the evaluation committee.

In accordance with the University of Oslo's equal opportunities policy, we invite applications from all interested individuals regardless of gender or ethnicity.

UiO has an agreement with all employees, aiming to secure rights to research results a.o.

For further information please contact:

- Associate Professor Andreas Carlson, phone: +47 22857223, e-mail: acarlson@math.uio.no web: <http://folk.uio.no/acarlson/index.html>
- Question regarding recruitment contact HR Officer Ørjan Pretorius, phone +47 22856349

Tilleggsinformasjon

Arbeidssted: