

Post-doctoral Position in: *De novo* Nanopore Design

A Postdoctoral position is available for a joint project between the laboratories of Prof. G Maglia and Prof. SJ Marrink at the University of Groningen, the Netherlands. The appointment will be initially for two years and might be extended to a maximum of four years.

Organization

Founded in 1614, the University of Groningen enjoys an international reputation as a dynamic and innovative institution of higher education offering high-quality teaching and research. Flexible study programmes and academic career opportunities in a wide variety of disciplines encourage the 30,000 students and researchers alike to develop their own individual talents. As one of the best research universities in Europe, the University of Groningen has joined forces with other top universities and networks worldwide to become a truly global center of knowledge.

Job description

Biological nanopores are an exciting new class of biosensors, which found practical application in single-molecule DNA sequencing and single-molecule analysis. This project aims at the challenging task of *de novo* design of new nanopores. The prospective candidate will contribute to this aim with state-of-the-art molecular dynamics simulations and related tools, and work closely together with experimental colleagues. Initially we will focus on designing beta barrel nanopores, to then move towards alpha helical nanopores. The candidate should have experience in molecular dynamics simulations. Proficiency in molecular biology and protein engineering will be an advantage but it is not a requirement.

Job tags

Molecular dynamics, protein design , nanopores, chemical biology, biophysics

Requirements

The candidate holds a PhD Degree with expertise in molecular dynamics simulations.

Secondary

The University of Groningen offers a salary dependent on qualifications and work experience of € 2.552,- gross per month up to a maximum of € 4.028,- gross per month (salary scale 10 Dutch Universities) for a full-time job. This position is defined according to the UFO function profile 'researcher 4'. The appointment is temporary for a period of two year with the perspective of prolongation with two additional years. The preferred starting date is immediately

Information

For more information, please visit:

<https://sites.google.com/a/rug.nl/maglia-lab-groningen/research-1>

<https://www.rug.nl/research/molecular-dynamics/>

For information you can contact:

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Apply

by using the application form or sending an email to: g.maglia@rug.nl