

Postdoctoral position: Computational modeling and Machine Learning applied to nanopore detection of proteins - RWTH Aachen, Germany

A postdoctoral position in the Computational Biotechnology group (<https://rwth-aachen.de/go/id/suhwq>) at the RWTH-Aachen University in Germany is available. We offer a fixed-term contract for one year, extendable up to three years.

Job Description

Modeling of nanopores optimised for protein detection: on top of computer simulations, the project mainly involves the use and application of Machine Learning schemes for the analysis of experimental nanopore data. The research will be carried out within the framework of the newly funded nanodiagBW cluster (<https://www.nanodiag.de>).

Requirements

The position requires a university PhD degree in the Natural and Computer Sciences. Specifically, candidates with the following qualifications are encouraged to apply:

- strong theoretical background in one of Physics/Chemistry/Biology/Computer Science

- strong experience with Machine Learning algorithms

- experience with computer simulations in the Natural Sciences

- above average academic achievements

- enthusiasm to learn beyond your individual research topic

- willingness to actively collaborate with other researchers and disseminate research in different formats.

All application documents (CV, publication list, list of 3 references) should be send to Maria Fyta (maria.fyta@rwth-aachen.de).