



Institute of Physics of the Polish Academy of Sciences Scholarship for a PhD Student



Job ID: #JOB14/2016

Job Description

Job Title: PhD student in biophysics

Job Summary:

PhD student will be involved in realization of the project "Interactions of amyloid beta peptides with metal ions and lipid membranes: Insights from lattice and all-atom simulations" devoted to molecular simulation of aggregation of proteins which is associated with neurodegenerative diseases including the Alzheimer's disease.

Job Description:

A successful candidate is expected to develop coarse-grained models to describe aggregation of polypeptide chains on membranes and to perform all-atom molecular dynamics simulations to study the impact of lipid bilayer membranes on self-assembly of amyloid beta peptides bound to Cu(II).

Profile of a candidate for the PhD position:

- Master degree in Physics or related field,
- research experience in related field, ideally proven by publications,
- numerical modeling and programming skills,
- very good spoken and written English.

Main research field: Physics

Sub Research Field: Biophysics

Career Stage: Early stage researcher or 0-4 yrs (Post-graduate)

Research Profile ([details](#)): First Stage Researcher (R1)

Type of Contract: Temporary for the three year term

Status: Full-time

Salary: 2500 PLN per month (untaxed scholarship).

Contact

More information can be obtained from
prof. Mai Suan Li (e-mail: masli@ifpan.edu.pl).

Application details

Application deadline: August 31, 2016. Applications after deadline are not considered.

Required materials:

- Curriculum Vitae
- List of publications

All materials should be submitted in electronic form to the address: jobs@ifpan.edu.pl
with Job ID in the subject.