



Job ID: #JOB16/2017

Job Description

Job Title: Assistant Professor in computational biophysics

Job Summary:

Computer simulations of the self-aggregation of proteins (e.g. virus capsids and amyloids) using coarse-grained and all-atom models.

Job Description:

We are seeking to appoint a highly motivated and experienced computational biophysicist with significant track record in computer simulations of coarse-grained models. The role of this exciting post is to apply coarse-grained methods to study the self-aggregation/dissociation processes and mechanical properties of virus capsids and amyloids. The approach aims to combine the most advanced coarse-grained force-fields with various simulations techniques (e.g. molecular dynamics) in order to identify and describe transition pathways between dissociated and aggregated structures. The successful candidate should have a PhD/Dphil in physics and related research areas, evidence of significant experience in molecular level simulations of coarse-grained and all-atom models and associated relevant publication record.

Main research field: Physics

Sub Research Field: Biophysics

Career Stage: Experienced researcher or 4-10 yrs (Post-Doc)

Research Profile ([details](#)): Recognised Researcher (R2)

Type of Contract: Temporary (11 months).

Status: Full-time

Salary: Depends on qualifications
From 4500 to 5900 PLN per month (before taxes).

Contact

More information can be obtained from Dr. Panagiotis Theodorakis (e-mail: panos@ifpan.edu.pl).

(Add additional information if needed. Otherwise leave empty.)

Application details

Application deadline: August 30, 2017. Later applications may also be considered.

Required materials:

- Curriculum Vitae
- List of publications
- Two letters of recommendation from persons familiar with candidate's work

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