

For implementing the project entitled "Mimicking living matter mechanisms by five-dimensional chemistry Approaches" financing contract no. **PN-III-P4-ID-PCCF-2016-0050**, "P. Poni" Institute of Macromolecular Chemistry, Romanian Academy announces one PhD position opening, part time, within the framework of this project.

Description

The Institute of Macromolecular Chemistry "P. Poni", Romanian Academy welcomes applications for a highly motivated PhD student for research in the area of "In Silico Studies of Controlled Delivery and Stimuli-responsive release of Genetic Drugs to Target Cells". The project will focus on developing and applying so-called coarse-grained models used meso-scale computer simulations including Langevin Dynamics and Dissipative Particle Dynamics. Fine-tuning of the models will be done based on ab initio Quantum Chemistry and results from analytical experimental studies. The candidate should have experience in computer modelling and simulations and have programming and script writing skills. She/he should have good knowledge in Chemistry and Physical models as well as in Molecular Biology and/or BioPharma. Good knowledge and communication in English both oral and writing is required.

PhD Student/part time

Domain: Computational Chemistry/Biology

Nr. of positions available: 1

Research Fields: Computational BioNanoPharma to develop delivery systems for genetic drugs

Career Stage: MsC in Physical/Medicinal Chemistry or Biophysics

Research Profile: Recognized Researcher

Candidates should send their applications (cover letter, cv, list of publications) to Dr. Anca Petrovici (petrovici.anca@icmpp.ro)

Deadline for applications: 15.03.2019

Expected start of the fellowship: 01.04.2019