

## VACANCY NOTICE FOR THE POST OF Early Stage Researcher (PhD student)

“Petru Poni” Institute of Macromolecular Chemistry (PPIMC), Iasi, Romania (PPIMC) is an Institute of Excellence of the Romanian Academy and – based on annual evaluations – the last five years was ranked in the first/second position among the 65 institutes/centres of the Romanian Academy. This leading position is internationally recognised – the Institute for Scientific Information (ISI), Philadelphia, USA, lists the Institute among the “main Romanian actors on the international scientific scene” – in fact, the Institute holds the first position in Romania in the ISI classification as a research institute.

The Institute open competition for one (1) position of Early Stage Researcher position for PhD student, in the Centre of Advanced Research in Bionanoconjugates and Biopolymers (IntelCentre) a 5 M Euro Research Infrastructure supported by the Romanian Sectorial Operational Program for Increasing the Economic Competitively (centre created in 2012).

### **OVERALL PURPOSE**

The SupraChem Lab project aims to establish a competitive research group in the field of supramolecular chemistry - biologically inspired systems for targeted medical and environmental applications. The new research group is organised in four different projects:

- Project 1: Dynamic Interactive Systems for Constitutional Water and Ion Channels
- Project 2: Constitutional systems for DNA transfection and drug delivery
- Project 3. Dynameric networks and gels for delivery, cell recognition and cell growing
- Project 4. Modelling and Theoretical chemistry of constitutional systems. .

The successful candidate should mandatorily have a Master thesis in chemistry or biochemistry with basic experience in organic synthesis and analytical techniques (NMR, MS, FTIR, UV-Vis, etc).

The candidate should be a motivated young individual, willing to learn and to be initiated in supramolecular chemistry and committed to start (and finalise) a PhD in chemistry or polymer chemistry within the project topic beginning with November 2016.

The scientific coordinator of this PhD position is **Dr. Mihail Barboiu**, Senior Researcher in PPIMC and SupraChem Lab ERA CHAIR – specialist in Supramolecular Chemistry, Polymer Synthesis and Characterisation.

### **Early Stage Researcher (P1) DUTIES AND RESPONSIBILITIES**

The successful candidates will:

- Perform research in the field of supramolecular chemistry related to water and ion channels: organic synthesis and analytical techniques (NMR, MS, FTIR, UV-Vis, etc).
- Coordinate and liaise with other members of the research group.
- Read academic papers and attend conferences to keep abreast of developments.
- Plan for specific aspects of the research programme and contribute to overall planning of future work of the research team, incorporating issues such as availability of resources, project milestones and overall research aims.
- Writing research papers and participating in research meetings locally, nationally and internationally, as appropriate.

### **SELECTION CRITERIA**

Minimum specific conditions – Education/experience:

- a level of education corresponding to completed university studies attested by a diploma and
- a Master in the field of Chemistry.
- a minimum of 2 years research experience.

Communication, organisational and inter-personal skills:

- Proven ability to work in a team and a multicultural environment;

- Ability to work under pressure and to meet tight deadlines;
- Ability to multi-task;
- A strong sense of responsibility, initiative and self-motivation;
- Good analytical ability, problem-solving and organisational skills;
- Good social skills and ability to communicate effectively.

***Failure to comply with the eligibility and essential selection criteria will result in a disqualification of the applicant concerned.***

### **SELECTION PROCEDURE**

The selection will follow the Romanian Academy procedure of selection for PhD students.

The candidates will have to fill in the on-line application tool:

[http://www.intelcentru.ro/suprachem\\_lab/jobs.php](http://www.intelcentru.ro/suprachem_lab/jobs.php)

Applications, written in English should be submitted online and should include:

- Curriculum Vitae (including your contact address, work experience, publications)
- Cover letter indicating the research area of interest and your motivation
- Contact information for 2 referees

***The deadline for application is: 03.10.2016***

***Stage I: Eligibility checking of the candidates files.***

This verification will be performed by the SupraChem Lab Management Team.

***Stage II Interviews.***

The first 3 highest marks candidates will be invited to interviews. Depending on the candidates country of residence it is possible that part (or all) the interviews to use the on-line Skype communication facilities.

The candidates will present their knowledge and vision on the research topic they want to follow in their PhD thesis. The research topic should be related to the research topics of the SupraChem Lab project.

### **CONDITIONS OF EMPLOYMENT**

The selected candidate will be offered full-time position in PPIMC in agreement with Romanian national legislation and will be remunerated with 1200 Euro/month.

### **PROTECTION OF PERSONAL DATA**

SupraChem Lab Management Team will ensure the candidates' personal data are processed as required by Regulation (EC) No 45/2001 of the European Parliament and of the Council of 18.12.2000 on the protection of individuals with regard to the processing of personal data by the Union institutions and bodies and on the free movement of such data. This applies in particular to the confidentiality and security of such data (Official Journal of the European Community L8 of 12.01.2001).