



HR EXCELLENCE IN RESEARCH

**Warsaw 07.08.2018**

**ICHF 13/2018**

**Functional Polymers group**

**Post-Doctoral scientist position**

**Number of positions available: 1**

**Job summary:** Full-time PostDoc position for 18 months available in the Institute of Physical Chemistry PAS within National Science Center OPUS 13 Project No. 2017/25/B/ST4/01696 entitled "**Designing and application of synthetic receptors for protein hormones**" (leader Dr. P.S. Sharma).

**Research Profile:** Recognized Researcher (R2)

**Job description:** In the proposed project, selected candidate will synthesize and purify the designed functional monomers. These functional monomers with novel recognizing moieties will be derivative of polymerizable terthiophene and *bis*(2,2'-bithien-5-yl)methane. Later, these monomers will be used for the deposition of polymer films molecularly imprinted with glycoprotein hormones. These films will be applied in devising chemosensors for selective determination of chosen hormones. These studies will be carried out in close cooperation with prof. Alexander Kuhn from the University of Bordeaux in France.

**Responsibilities:** Synthesis of terthiophene and *bis*(2,2'-bithien-5-yl)methane derivatives containing different recognizing moieties, and their purification. Presenting research out come to Scientific conferences. Analyzing data and preparation of manuscript.

**Career perspectives:** Opportunity to work in an interdisciplinary research department with strong support from chemistry and physics group within the Institute. The postdoctoral researcher will have the opportunities, such as participation in project focused on applied research, attending and presenting research results in nationals and Internationals conferences, and visits in international partner laboratories.

**Benefits:** We offer a post-doctoral position (full-time employment) in the Institute of Physical Chemistry PAS with gross salary in the amount of around 5900 PLN per month (which is

around 4200 PLN net pay) financed from the NCN OPUS 13 Project No. 2017/25/B/ST4/01696. The position is for a period of 18 months.

### **Requirements:**

1. PhD in Organic Chemistry (or related field, with emphasis in synthesis and separations) awarded not earlier than seven years before the deadline of the present recruitment. This period can be extended by the duration of maternity/paternity leaves (according to NCN rules).
2. Ability to work independently as well as in a group.
3. Work actively in the laboratory on synthesis.
4. Experience in purification and characterization of synthesis products (NMR, FTIR, LC, and HPLC, etc).
5. Ability to collect and organize data for presentation and publication.
6. Basic knowledge in such fields as supramolecular chemistry, electrochemistry, molecular imprinting or conductive polymers technology is not obligatory but it will be welcome.

### **Application Details:**

**Envisaged Job Starting Date:** October 1<sup>st</sup>, 2018.

**Deadline for application:** September 7<sup>th</sup>, 2018, before 4.00 p.m.

**How to Apply:** Applications should be sent by e-mail to:

rekrutacja@ichf.edu.pl; **IMPORTANT: email title "ICHF 13/2018"**

### **Recruitment procedure:**

• **Complete application should include the following items:**

1. Employment application.
2. Professional curriculum vitae.
3. PhD diploma.
4. A list of scientific achievements (publications, patents, conference presentations, etc.).
5. The number of citations of publications without self-citations, the h index.
6. List of research projects in which the candidate participated
7. At least one letter of recommendation written by a university professor
8. Consent regarding the collection and processing of personal data [http://ichf.edu.pl/RODO\\_typu\\_post-doc\\_zgoda\\_PL\\_EN.doc](http://ichf.edu.pl/RODO_typu_post-doc_zgoda_PL_EN.doc). **IMPORTANT: applications without the consent will not be considered**

• Employment will take place in accordance with the **Employment policy of the Institute of Physical Chemistry PAS** ([http://ichf.edu.pl/employment\\_policy.pdf](http://ichf.edu.pl/employment_policy.pdf)) and the provisions of the competition documentation of the National Science Center (NCN) for the OPUS 13 projects;

• The incomplete applications will be not considered;

- Short listed candidates must go through an interview (or conference call) that will be held on **September 12, 2018. Good command of English is required. We reserved the right to contact and reply to only selected candidates.**
- The following criteria will be taken into account:
  - a) competences of candidates for specific tasks in a research project.
  - b) previous scientific achievements of candidates.
  - c) awards and distinctions of the candidate resulting from the conducted research.
- **The results** of the recruitment will be announced on **September 24, 2018.**
- The results of the competition are made public. The candidate that does not agree with the results of the recruitment procedure has the right to appeal to the Director of the Institute within 7 days after receiving information about results.