



HR EXCELLENCE IN RESEARCH

**Warsaw 14.11.2018**

**ICHF 23/2018**

**Surface Nanoengineering 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 in the group led by Dr. Joanna Niedziółka-Jönsson within the National Science Center OPUS 14 Project No. 2017/27/B/ST3/02457 entitled "**Remotely light-controlled activity in dyes, proteins, catalysts: imaging, sensing, energy conversion**" realized in a consortium led by prof. Sebastian Maćkowski.

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

**Job description:** In the proposed project, selected candidate will be responsible for the synthesis and purification of monodispersed samples of silver nanowires. Next, nanowires will be modified locally to demonstrate remote and efficient control of photochemical properties of organic dyes, proteins, and catalysts with light. These studies will be carried out in consortium with prof. Sebastian Mackowski from the Nicolaus Copernicus University in Toruń and prof. Wojciech Macyk from Jagiellonian University in Kraków.

**Responsibilities:** Synthesis of metallic nanowires and their purification. Controlled and local modification of metallic nanowires. Analyzing data and preparation of manuscripts and conference presentations.

**Career perspectives:** Opportunity to work in an interdisciplinary research department with strong support from chemistry and physics groups within the Institute and both consortium members. The postdoctoral researcher will have the opportunities, such as participation in the project focused on basic and applied research, attending and presenting research results in nationals and internationals conferences, and visits in consortium members 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 6700 PLN per month financed from

the NCN OPUS 14 Project No. 2017/27/B/ST3/02457. The position is for a period of 18 months.

### **Requirements:**

1. PhD in Chemistry (or related field, with emphasis in synthesis of nanoparticles, surface modification, analytical chemistry, electrochemistry) 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. Experience in analytical methods such UV-Vis spectrophotometry, optical microscopy and electrochemistry.
4. Ability to collect and organize data for presentations and publications.
5. Basic knowledge in such fields as molecular recognition, catalysis, fluorescent microscopy is not obligatory but welcome.

### **Application Details:**

**Envisaged Job Starting Date:** January 1<sup>st</sup>, 2019.

**Deadline for application:** December 12<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 23/2018"**

### **Recruitment procedure:**

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

1. Professional curriculum vitae.
2. PhD diploma.
3. A list of scientific achievements (publications, patents, conference presentations, list of research projects in which the candidate participated, etc.).
4. At least one letter of recommendation written by a university professor
5. Consent regarding the collection and processing of personal data [http://ichf.edu.pl/RODO\\_post-doc\\_zgoda\\_NCN\\_PL\\_EN.doc](http://ichf.edu.pl/RODO_post-doc_zgoda_NCN_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 14 projects;

• The incomplete applications will be not considered;

• Short listed candidates must go through an interview (or a conference call) that will be held on **December 14, 2018. Good command of English is required. We reserved the right to contact and reply only to selected candidates.**

- The following criteria will be taken into account:
  - a) competences for specific tasks in the research project.
  - b) previous scientific achievements.
  - c) awards and distinctions resulting from the conducted past research.
- **The results** of the recruitment will be announced on **December 21, 2018**.
- The results of the competition will be 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.