

JOB OFFER

Position in the project:	PhD student
Scientific discipline:	Chemistry
Job type (employment contract/stipend):	full-time employment (assistant position)
Number of job offers:	1
Remuneration/stipend amount/month (*X0 000 PLN of full remuneration cost, i.e. expected net salary at X 000 PLN*):	Expected gross salary in the amount of around 6700 PLN per month (which is around 5 000 PLN net pay)
Position starts on:	Envisaged Job Starting Date: 01.11.2018 (this date may change depending on the start date of the project implementation)
Maximum period of contract/stipend agreement:	24 months
Institution:	Department of Physical Chemistry of Supramolecular Complexes, Institute of Physical Chemistry, Polish Academy of Sciences, Warsaw
Project leader:	Dr. Daniel Prochowicz
Project title:	<i>Organic-Inorganic Halide Perovskites: Synthesis, structural features, optical properties and photovoltaic applications</i> <i>Project is carried out within the HOMING programme of the Foundation for Polish Science</i>
Project description:	The project aims to develop novel inorganic-organic hybrid perovskites and investigations on the physicochemical properties of the bulk crystals and perovskite thin films. Integral part of the proposal will be the utilization of resulted materials as an absorbing layer for solar energy conversion and optoelectronic applications.
Key responsibilities include:	<ol style="list-style-type: none"> 1. Development of efficient synthetic methods including mechanochemistry of vast array inorganic-organic hybrid perovskites 2. Full characterization of the resulting materials using structural and spectroscopic methods 3. Analyzing data and preparation of manuscript
Profile of candidates/requirements:	<ol style="list-style-type: none"> 1. The successful candidates shall have a university degree in chemistry, a MSc. degree in chemistry or biotechnology 2. The successful candidates shall have experience in laboratory work in field of inorganic and coordination chemistry and/or Hybrid organic-inorganic perovskite materials and/or semiconductor nanomaterials 3. The successful candidates shall have experience in synthesis using mechanochemical solid-state approaches 4. Good knowledge of powder X-ray diffraction and Rietveld refinement 5. Knowledge of spectroscopic methods: IR, NMR, UV-Vis and X-ray crystallography, 6. Good command in English (written and spoken), 7. Being team-oriented with good communication and management skills in order to work in an international context within a multidisciplinary team 8. Being able to work creatively, on your own and being result-

oriented

Research Profile: First Stage Researcher (R1)

Required documents:

1. Professional curriculum vitae
2. A scan or photocopy of the candidate's university MSc degree
3. Cover letter
4. A list of publications of the candidate's research work
5. List of research projects in which the candidate participated
6. Information about any fellowship, awards
7. Consent to the processing of the candidate's personal data for the purposes of the competition (the form will be available on web site: http://ichf.edu.pl/RODO_doktorant_PhD-student_FNP_zgoda.doc)
8. NOTE: Applications without a complete set of documents, including consent to the processing of personal data, will not be considered.

The competition will be performed in accordance with the regulations of the Foundation of Polish Science and the HOMING program documentation: HOMING 5/2018.

The recruitment procedure:

- 1) submission of the documents,
- 2) candidates need to take an entry exam for the International Doctoral Studies (MSD) at the IPC PAS and submit proper documents to IPC PAS
http://ichf.edu.pl/msd/IDS_required_documents.pdf before **14.09.2018**. Only persons who pass the exam for the Doctoral Studies at the IPC PAS with a positive grade, are going to be eligible candidates. The exam will be held on 01.10.2018. A description of the course of study can be found at: <http://ichf.edu.pl/msd/> The candidates, who are already enrolled in MSD program at the IPC PAS do not need to retake the entry exam.
- 3) After the positively passed exam of the PhD Studies at the Polish Academy of Sciences, the candidates will be invited for an interview (or a conference-call) on 02.10.2018 with the Competition Committee appointed by the Principal Investigator. Good command of English is required.

Representative of the Foundation of Polish Science may participate in the interview recruitment as an observer.

The Commission will take into account the following criteria:

- 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 commission evaluates applications on a point scale.
 - Position will be awarded to the person who obtains the highest number of points

The necessary condition is that successful candidates need to have the status of PhD student at the Institute of Physical Chemistry PAS before starting work within the Project.

The Competition results shall be made known on October 10, 2018

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.

We offer:	<ol style="list-style-type: none">1. Participation in high impact and timely research,2. Access to unique technology and modern research laboratories,3. Opportunity to work in a team of dedicated researchers and technologists,4. Close cooperation with the reputable international expert across in the photovoltaic area Prof. Michael Graetzel <p>Employment will take place in accordance with the Employment policy of the Institute of Physical Chemistry PAS (http://ichf.edu.pl/employment_policy.pdf)</p>
Please submit the following documents to:	rekrutacja@ichf.edu.pl (with note REKRUTACJA 16/2018 in the e-mail title)
Application deadline:	September 14, 2018, before 11 p. m.
For more details about the position please visit (website/webpage address):	
Euraxess job/stipend offer (in case of PhD and postdoc positions):	https://euraxess.ec.europa.eu/jobs/335643