

JOB OFFER

Position in the project:	PhD Student
Scientific discipline:	Chemistry: Physical Chemistry, Inorganic Chemistry, Electrochemistry
Job type (employment contract/stipend):	stipend
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"):	3700 PLN / month (net)
Position starts on:	01.11.2018
Maximum period of contract/stipend agreement:	23 months
Institution:	Faculty of Chemistry, University of Warsaw
Project leader:	PhD Dominika Ziólkowska
Project title:	<i>A new generation of the lithium battery: assembly of the all-solid-state system</i> Project is carried out within the Homing programme of the Foundation for Polish Science
Project description:	The goal of this project is to investigate a new generation of batteries, constructed entirely from solid-state materials, for applications in the future e-mobility industry. The main purpose of this proposal is the validation of compatibility between both well-known and recently discovered materials, both electrode and electrolyte compounds, to create a fully functional and practical all-solid-state battery. The most important part of this research will focus on the interphase between electrode and electrolyte. Several promising electrode materials will be analyzed, including manganese-, nickel- and iron-based materials. The electrolytes selected for study will include such novel materials as sulfides and oxides. This new design will open the exciting possibility of applying metal lithium anodes, allowing for higher energy systems. This research proposal covers novel research topics and directly challenges one of the most important problems facing the e-mobility industry.
Key responsibilities include:	<ol style="list-style-type: none"> 1. Fabrication of battery materials by solid-state and wet chemical methods; 2. Development of new electrode compositions; 3. Assembly of full all-solid-state cells; 4. Electrochemical characterization of electrode materials; 5. Structural and morphological characterization of electrodes; 6. Data analysis and reporting; 7. Publication writing. 8. Full involvement in the project (40h weekly).
Profile of candidates/requirements:	<ol style="list-style-type: none"> 1. MSc degree in the field of chemistry, physics, or related; 2. Laboratory work experience is required, especially in the field of energy storage (lithium-ion batteries, work in the glovebox, chemical synthesis, electrochemical techniques such as cyclic voltammetry, electrochemical impedance spectroscopy, chronopotentiometry, and other

	<p>characterization, as well as data analysis etc.);</p> <ol style="list-style-type: none"> A person having patience, being careful and precise in a laboratory work; Advanced knowledge of English (verbal and writing); A strong motivation to work in the laboratory, good teamwork and collaborative skills; Independence at work, positive can-do attitude, good problem-solving skills; Full involvement in the project topic.
Required documents:	<ol style="list-style-type: none"> CV (in Polish or English) including (1) achievements: especially scientific achievements like publications, conference presentations or a short description of MSc/BSc thesis findings, and also awards, student stipends, internships or summer schools experience etc.; (2) list of laboratory characterization techniques known; Cover letter (in Polish or English) explaining why the candidate is interested in the project topic, what is his/her current laboratory experience (if he/she worked in the glovebox, knows any scientific equipment: spectroscopic, morphological and/or electrochemical techniques, knows any chemical synthesis), why she/he thinks is a suitable person for this position; 2 reference letters from previous supervisors/mentors sent directly to: daziolkowska.edu@gmail.com ; List of publications and conference presentations (not mandatory, but very welcome); Transcription of records from Bachelor/Engineer and Master degree programmes; Copy of the most recent diploma (or the statement about the expecting MSc defense date). Certification of enrollment as the PhD student in Polish institution carrying the PhD studies; This certification is not mandatory at the time of application, although a candidate must hold a current Phd student status in the doctoral studies at the Faculty of Chemistry University of Warsaw or other Polish scientific institution by 1st Oct 2018. For more information about the PhD recruitment at the Faculty of Chemistry University of Warsaw please see: http://www.chem.uw.edu.pl/kandydaci/studia-doktoranckie/ A PDF copy of the MSc thesis abstract (in Polish or English) and/or a PDF copy of the most important article/conference presentation published as co-author. Certification of English knowledge, or other proof (self-statement, grade from the MSc/BSc studies, studies in English (e.g. Erasmus) etc.); English level will be verified during the interview.
We offer:	<p>A PhD position in a young dynamic group working in the field of energy storage. We give you the opportunities for personal and scientific self-improvement, possibilities to travel through PhD internships in Sweden and/or USA, as well as attending conferences and gain international experience. Your work will be performed in a well-equipped laboratory for lithium technology research with collaboration with other scientific institutions in Poland and abroad.</p>
Please submit the following documents to:	daziolkowska.edu@gmail.com with the e-mail entitled: FNP Homing PhD Student Application
Application deadline:	07.09.2018 (12 PM – Warsaw (EU) time)
For more details about the position please visit (website/webpage address):	www.lisec-tech.com www.chem.uw.edu.pl
Euraxess job/stipend offer (in case of PhD and postdoc positions):	https://euraxess.ec.europa.eu/jobs/330159

To allow us to process your data, please include the following statement in your application:

AGREEMENT CLAUSE

"I hereby consent to have my personal data processed by the University of Warsaw with its registered office at ul. Krakowskie Przedmieście 26/28, 00-927 Warszawa for the purpose of carrying out a recruitment process and selecting an employee and concluding a contract for employment at the University of Warsaw. I have been informed of my rights and duties. I understand that provision of my personal data is voluntary."

.....
Place and date

.....
Legible signature of the applicant

INFORMATION CLAUSE

In accordance with Article 13 of REGULATION (EU) 2016/679 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data – general regulation on data protection (Official Journal of the EU L 119/1 of 4 May 2016) the University of Warsaw informs that:

1. The Controller of your personal data is the University of Warsaw with its registered office at Krakowskie Przedmieście 26/28, 00-927 Warszawa;
2. The Controller has designated the Data Protection Officer who supervises the processing of personal data, and who can be contacted via the following e-mail address: iod@adm.uw.edu.pl;
3. Your personal data will be processed for the purpose of carrying out a recruitment process and selecting an employee and concluding a contract for employment at the University of Warsaw;
4. The provided data will be processed pursuant to Article 221 § 1 of the Act of 26 June 1974 Labour Code (uniformed text: Dz.U. of 2018, item 917) and your consent for processing of personal data;
5. Provision of data in the scope stipulated in the Labour Code is mandatory, and the remaining data are processed according to your consent for processing of personal data;
6. The data will not be shared with any external entities;
7. The data will be stored until you withdraw your consent for processing of personal data;
8. You have the right to access your personal data, to rectify, erase them, restrict their processing, object to processing, and to withdraw the consent at any time;
9. You have the right to lodge a complaint to the President of the Office for the Protection of Personal Data."