

JOB OFFER

Position in the project:	Master 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"):	1700 PLN / month
Position starts on:	01.11.2019
Maximum period of contract/stipend agreement:	11 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. Synthesis of electrolyte materials from solid and liquid phase; 2. Development of new electrolyte compositions; 3. Assembly of full all-solid-state cells; 4. Electrochemical characterization of electrolyte materials; 5. Data analysis and reporting; 6. Sufficient involvement in the project (at least 15h weekly).
Profile of candidates/requirements:	<ol style="list-style-type: none"> 1. Bachelor/Engineer degree in the field of chemistry, physics, or similar; 2. Master student status in Polish scientific institution is mandatory by 1st Oct 2019. 3. Laboratory work experience is desirable (e.g. during Bachelor thesis or other student activities like internships, trainings etc. especially in the field of electrochemistry and energy storage); 4. Good knowledge of English (verbal and writing);

	<ol style="list-style-type: none"> 5. Strong motivation for hard work in the laboratory, good teamwork/collaborative skills; 6. Positive can-do attitude, good problem-solving skills; 7. Strong involvement in the project.
Required documents:	<ol style="list-style-type: none"> 1. CV (in Polish or English) including your achievements (e.g. short description of the Bachelor/Engineer thesis finding, previous stipends and awards, list of publications and conference publications, involvements in student scientific activities: laboratory experience, internships, trainings etc.); 2. At least one reference letter from previous supervisor/ mentor sent directly to daziolkowska.edu@gmail.com; 3. Cover letter (in Polish or English) explaining why you want to join our group, why do you interested in the project topic, what is your current lab experience and what do you see as you biggest achievement so far, why do you think you are a suitable person for this position; 4. Transcription of records from Bachelor/Engineer degree programme; 5. Copy of the most BSc/Eng. diploma (or the statement about the expecting defense date). 6. Certificate of enrollment as the MSc student (mandatory by 1st October 2018); 7. A PDF copy of the BSc/Engineer thesis abstract or a publication as co-author (if apply); 8. English certificate (not mandatory, but very welcome).
We offer:	<p>Position in a young dynamic group working in the field of energy storage. We give you the opportunities for personal and basic scientific self-improvement, possibilities to travel through internships in Sweden, as well as attending summer schools. 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:	In one PDF file to daziolkowska.edu@gmail.com with the e-mail title: FNP Homing Master Student Application .
Application deadline:	10.10.2019 (until 12.00 noon Polish time zone)
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):	

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.”