WYDZIAŁ CHEMII
UNIWERSYTETU WARSZAWSKIEGO

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"):*	5000 PLN / month (total gross)
Position starts on:	01.10.2022
Maximum period of contract/stipend agreement:	42 months
Institution:	Faculty of Chemistry, University of Warsaw
Project leader:	PhD Dominika Buchberger
Project title:	*Development of a procedure using in-situ and ex-situ methods to analyze electrode material properties over lithium-ion battery cycles.* ***Project is carried out within the SONATA BIS 11 programme of the National Science Center (Poland)***
Project description:	The main aim of the project is a combination of in situ and ex situ examinations in term of structural and morphological analysis and electrochemical testing for creating a precise description of electrode materials to find their stability parameters for safe battery operation. This research will lead to the development of a novel analytical procedure that could be applied in the battery "health" diagnostics through a rapid in situ Raman method inside the cell. The project results will give opportunity to find long-awaited answers to challenging questions on next lithium-ion batteries. This research will provide fundamental, but typically overlooked, answers alongside popular fast-paced research for the best performing battery.
Key responsibilities include:	1. Preparation of electrode materials; 2. Structural and morphological characterization of electrodes and electrochemical testing; 3. Sample preparation for in situ and ex situ investigations; 4. Performing in situ and ex situ investigations; 5. Data analyses and writing reports; 6. Writing scientific articles and PhD thesis; 7. Helping younger students in the research tasks in the project; 8. Full involvement in the project (40h weekly).
Profile of candidates/requirements:	1. MSc degree in the field of chemistry, physics, or related at the moment of the employment in the project (MSc defence no later than Sep 30th); 2. Candidate accepted to the doctoral school; 3. Laboratory work experience is required, especially in the field of energy storage, work in the glovebox, chemical synthesis, electrochemical and structural techniques, data analysis etc.; 4. A person having patience, being careful and precise in a laboratory work; 5. Advanced knowledge of English (verbal and writing);

	6. A strong motivation to work in the laboratory, good teamwork and collaborative skills; 7. Independence at work, positive can-do attitude, good problem-solving skills; Full involvement in the project topic.
Required documents:	1. CV (in English) including (1) achievements: especially **scientific achievements** like publications, patent applications, patents, conference presentations or a short description of MSc/BSc thesis findings, (2) information about awards, student stipends, internships or summer schools experience etc.; (3) involvement into scientific grants at the university, national and/or international level; (4) list of know synthesis methods and laboratory characterization techniques; (5) involvement into student science clubs and/or student councils; (6) work experience, cooperation with industry, work internships. 2. Cover letter (in 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), what is his/her best scientific achievement, why she/he thinks is a suitable person for this position; 3. Transcription of records from Bachelor/Engineer and Master degree programmes; 4. Copy of the most recent diploma (or the statement about the expecting MSc defense date). 5. Certification of acceptance to the doctoral school or 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 University of Warsaw or other Polish scientific institution by 1st Oct 2022**. 6. 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. 7. 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. 8. **1 reference letter from previous supervisors/mentors sent directly to: d.buchberger@uw.edu.pl** ;
We offer:	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 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.
For more details about the position please visit (website/webpage address):	www.chem.uw.edu.pl
Please submit the following documents to:	d.buchberger@uw.edu.pl with the e-mail entitled: **SONATA BIS 11 PhD Student Application – sent in one PDF file (except point 8.)**
Application deadline:	16.09.2022 (12 PM – Warsaw (EU) time)

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."