

JOB OFFER

Position in the project:	Post doc
Scientific discipline:	Chemical and Bioprocess Engineering
Job type (employment contract/stipend):	Full time employment (100% FTE)
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”):	9750 PLN per month - gross salary
Position starts on:	01.01.2018
Maximum period of contract/stipend agreement:	24 months
Institution:	Laboratory of Environmental Pollution Analysis, Faculty of Biology, University of Warsaw
Project leader:	Dr hab. Lukasz Drewniak
Project title:	The development of a (bio)technology for waste management and recovery of water from effluents from hydrometallurgical processes <i>Project is carried out within the Team Tech programme of the Foundation for Polish Science</i>
Project description:	The aim of the project is to develop a novel (bio)technology for managing hydrometallurgical wastewaters, characterized by low pH, high iron and sulfate content. The technology will be based on the chemical neutralization process, microbial sulfate reduction, and subsequent heavy metal (bio) precipitation. As a result, three separate products will be obtained: (i) an iron-based sorbent of high applicability, (ii) metal sulfides, and (iii) water, which can be re-used in the technological pipeline
Key responsibilities include:	<ol style="list-style-type: none"> 1. Design and realization of the construction, start-up and verification of the pilot plant installation 2. Preparation of technical guidelines for the exploitation of pilot plant 3. Geochemical analysis of materials produced within the technology (e.g. iron based sorbents, metal sulfides) 4. Assistance in commercialization of the final product 5. Publications preparation
Profile of candidates/requirements:	<ol style="list-style-type: none"> 1. Should have a PhD in geochemistry or (bio)chemical engineering 2. Documented experience in analytical chemistry, especially work with ICP-MS and XRF / XRD 3. Documented experience in water treatment systems (construction, start-up or exploitation) 4. Experience in implementation of equipments/pilot plant installation (preparation of instructions, development and validation of research and technical procedures) 5. Must be less than 5 years since awarding PhD (not including allowed career breaks) 6. Should be able to work in multidisciplinary team 7. Fluency in English (written and spoken)

Required documents:	<ol style="list-style-type: none"> 1. PhD certificate 2. CV 3. list of publications and major achievements 4. Motivation letter 5. Reference Letter
We offer:	Two-year postdoctoral research position in dynamic and growing lab, which is aimed at cooperation with industry
Please submit the following documents to:	ldrewniak@biol.uw.edu.pl
Application deadline:	06.11.2017 Selected candidates will be contacted by e-mail and interviews will be held on 10.11.2017
For more details about the position please visit (website/webpage address):	http://ddg.biol.uw.edu.pl/
Euraxess job/stipend offer (in case of PhD and postdoc positions):	https://www.euraxess.pl/jobs/243939

Please include in your offer:

“I hereby give consent for my personal data included in my application to be processed for the purposes of the recruitment process under the Personal Data Protection Act as of 29 August 1997, consolidated text: Journal of Laws 2016, item 922 as amended.”