JOB OFFER

Position in the project:	Post-doc
Scientific discipline:	Environmental chemistry, chemistry, biology
Job type	Part time position (1/2 full time position)
Number of job offers:	1
Salary/month:	4357,57 PLN brutto per month (1/2 full time position)
Position starts on:	01.04.2021
Maximum period of contract:	12 months
Institution/Company:	Poznański Park Naukowo-Technologiczny
Project leader:	Dr hab. Inż. Marcin Śmiglak
Project title:	New plant resistance inducers and their application as innovative approach to plant protection against pathogens. *Project is carried out within the Team – Tech Programme of the Foundation for Polish Science* (POIR.04/04.00-00-5BD9/17-00).
Project description:	The entire research project is set to investigate application potential of active compound in inducing the resistance in economically important plant species toward their common diseases under greenhouse and field conditions. Resistance inducer and its derivatives will be tested on new varieties of plants (cultivated in greenhouses and on the fields) towards their properties of SAR induction and it will be determined the particular conditions of treatment such as application period, frequency and optimal dosage. The goals of the project will be realized through four distinct research objectives : 1) Design and optimization of synthesis of resistance inducer, including scale-up, from commercially available starting materials, 2) Preparation of prototype formulations of targeted substance and evaluation of physical properties, long term stability and compatibility with working solution ,

	3) Biological efficacy assessment and application requirements of prepared formulations on various plant-pathogen models including greenhouse and field tests , 4) Evaluation of substance accumulation in plants and possible environmental footprint that tested substance could have on the ecosystem and other organisms.
Key responsibilities include:	1) The major tasks to performed by the Post-doc will be conducting research related to the analysis of the impact of synthesized chemical substances showing their ecotoxicity impact and biotic stability (biodegrability) 2) Hazard assessment will be performed using the standardized test with the crustacean *Daphnia magna* and the green algae *Scenedesmus vacuolatus*. Tests performed on aquatic organisms will be performed following the OECD guideline and ISO standardized tests. 3) Biodegrability tests will be performed according to OECD guidelines 4) Interpretation and development of own research results 5) Writing scientific articles
Profile of candidates/ requirements:	1) PhD degree in environmental chemistry, chemistry, biology or related field, 2) Experience in conducting ecotoxicity and biodegrability tests 3) Published articles related to ecotoxicity (at least two) and biodegrability (at least two) field as a major or corresponding author 4) Very good written and oral communication skills in English, 5) Motivation and enthusiasm to work in science, 6) Ability to work with OECD guidelines and ISO standardized tests 7) In case of being accepted for the post-doc position in the project the candidate, before signing the contract, is required to submit documentation proving his/hers PhD degree in environmental chemistry, chemistry, biology or related discipline.
Required documents:	1) Curriculum vitae, 2) Research record, 3) Cover letter, 4) Copy of PhD diploma or PhD degree certificate 5) Recommendation letter from former supervisors/ collaborators and their contact details. .
We offer:	1) Post doc position in interdisciplinary, group focusing on the designing and synthesis systemic acquired resistance inducers,

	2) Cooperation with scientists from Poznan Science and Technology Park, 3) Participation in an exciting research program conducted within a newly established center with high scientific expectations and goals, 4) International collaboration with leading scientists with possibility of short term visits.
Euraxess link	
More information:	Upon receiving candidates offers, we will be contacting only with selected candidates. Recruitment interview will be 24th of March 2021 at 10:00-15:00. More detail: Stanislaw.pawelski@ppnt.poznan.pl
Please submit the following documents to:	Please send the application via email to: Stanislaw.pawelski@ppnt.poznan.pl (Please title the email "TEAM-TECH Post doc application")
Application deadline:	March 23, 2021

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.