

Paid PhD student position

In Team Tech program project funded by the Foundation for Polish Science

Position in the project: PhD student

Scientific discipline: Organic chemistry

Institution: The University of Warsaw Biological and Chemical Research Centre (CNBCh UW), Warsaw

Job type: Stipend

Stipend amount/month: 3500 PLN (approx. 800 EUR, net)/month (health insurance not included for students outside of EU)

Position starts on: 1st March 2017

Period of stipend agreement: 35 months

Number of job offers: 4

Principal Investigator: prof. dr. hab. eng. Karol Grela

Project title: Catalysis for the Twenty-First Century Chemical Industry

Project description: The goal of the project is to perform research on design and to test methods related to intensification of chemical production, immobilisation of well-defined organometallic catalysts, enabling technologies, decrease of metal loading and amount of waste produced.

Key responsibilities include: PhD students will obtain a number of NHC-onium tagged ruthenium and gold catalysts and screen them in selected reactions, using classical and green solvents, and in no solvent, with the help of various enabling techniques. The catalysts will be immobilised on selected solid supports, such as zeolites, metal-organic frameworks (MOF) and nanoparticles, thoroughly characterised and tested in batch and continuous flow conditions.

Profile of candidates/requirements:

- MSc degree in organic chemistry, organometallic chemistry or similar (or close date of MSc thesis defence)
- Knowledge of organic synthesis or organometallic chemistry
- Knowledge of databases (Reaxys, SciFinder)
- Knowledge of analytical techniques utilized in organic chemistry (NMR, MS, IR)
- Good knowledge of English
- Fast learning ability

Required documents:

- Completed Application Form (please use the provided form available at: www.karolgrela.eu)
- A copy of transcript of grades from undergraduate courses is welcome
- A copy of MSc diploma (if applicable)
- Contact data to at least one person who can provide us with letter of recommendation
- GRE (Chemistry) scores for international students or admission test results for PhD students from the Faculty of Chemistry UW (only in Polish, it can be also passed within one year from the project start date)

For more details about the position please visit: www.karolgrela.eu

Please submit the following documents to: Submission (in one pdf file send in a format surname_name.pdf) and possible questions only by email: karol.grela@gmail.com. The candidate(s) will be chosen by the selection committee in accordance with FNP rules. More instructions available in the Application Form.

Application deadline: 18.12.2016

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.”