

**CeNT-15-2021**

Director of Centre of New Technologies of the University of Warsaw, with the Project Leader, announce opening of the competition for the position of PhD Student in the Laboratory of Chemical Synthesis Methodology – Centre of New Technologies of the University of Warsaw.

JOB OFFER

Position in the project:	PhD Student
Laboratory:	Laboratory of Chemical Synthesis Methodology
Scientific discipline:	Chemical sciences (organic chemistry)
Keywords:	Organic synthesis methodology; asymmetric catalysis; organic electrochemistry; hypervalent iodine; oxidation reactions
Form of employment (contract/stipend):	Stipend
Part-time/full-time:	Full-time
Number of job offers:	2
Remuneration amount/month:	5000 PLN gross gross (~4000 PLN net) The successful Candidates may additionally apply for a scholarship from the Doctoral School of Exact and Natural Sciences of the University of Warsaw, if granted, increasing the overall stipend to ~7000 PLN/month net
Position starts on:	1 October 2021
Maximum period of contract/stipend agreement:	48 months
Institution:	Centre of New Technologies, University of Warsaw
Project leader:	Dr. Marcin Kalek
Project title:	Electrochemical asymmetric oxidations mediated by chiral iodoarene electrocatalysts
Project type:	OPUS 19
Financing institution:	National Science Centre Poland
Project description:	The principal aim of the planned research is to develop novel synthetic methods based on electrochemical asymmetric oxidations mediated by chiral iodoarenes. The project will also involve mechanistic investigations. Information about the research carried out at the Laboratory of Chemical Synthesis Methodology can be found at: http://kalekgroup.pl For additional information, please contact: m.kalek@cent.uw.edu.pl
Key responsibilities include:	- Preparation of starting materials and catalysts for reactions - Evaluation of asymmetric oxidation reactions catalyzed by chiral iodoarenes under electrochemical conditions



	<ul style="list-style-type: none">- Development of synthetic methods of enantioselective electrochemical oxidation employing chiral iodoarenes as electrocatalysts- Performing mechanistic studies- Writing reports- Preparing manuscripts
Profile of candidates/requirements:	<p>The competition is open for persons who meet the conditions specified in the regulations on the allocation of resources for the implementation of tasks financed by the National Science Centre for Opus-19 grant.</p> <p>We require:</p> <ul style="list-style-type: none">- MSc degree in organic chemistry or related disciplines; the MSc degree should be obtained before the date of employment in the project- Confirmed status of a PhD student at the University of Warsaw on the date of employment in the project (we offer assistance in the enrolment procedure and in the application for an additional scholarship from the Doctoral School)- Knowledge and experience in organic chemistry, with the focus on chemical synthesis- Proficiency in English- High motivation for research work- Experience in electrosynthesis will be an additional advantage
Required documents:	<ol style="list-style-type: none">1. Cover letter2. Current curriculum vitae with a list of scientific achievements3. Transcript of records from the undergraduate (B.Sc. and M.Sc.) programs (excluding the last term, if not yet available)4. Signed information on the personal data processing (a scan)
We offer:	<ul style="list-style-type: none">- A stipend of 5000 PLN/month gross gross for 4 years- Work in a young international vibrant team- Opportunity to conduct high profile research- Laboratories featuring top-level equipment in a newly-constructed Centre of New Technologies building
Please submit the application documents to:	E-mail: m.kalek@cent.uw.edu.pl
Application deadline:	7 May 2021
Date of announcing the results:	31 May 2021, at the latest
Method of notification about the results:	The ranking list will be posted at http://kalekgroup.pl/vacancies.html ; applicants will be also informed about the results by e-mail