

**CeNT-1-2021**

Director of Centre of New Technologies of the University of Warsaw, with the Project Leader, announce opening of the competition for the position of Student in the Laboratory of Chemical and Biological Systems Simulation Laboratory Centre of New Technologies of the University of Warsaw.

JOB OFFER

Position in the project:	Student
Laboratory:	Chemical and Biological Systems Simulation Laboratory
Scientific discipline:	Chemical sciences
Keywords:	Modelling, DFT, metathesis, catalysis, azo compound
Job type (employment contract/stipend):	stipend
Part-time/full-time:	part-time
Number of job offers:	2
Remuneration/stipend amount/month:	1500 PLN gross / month
Position starts on:	1.03.2021 or as soon as possible afterwards
Maximum period of contract/stipend agreement:	24 months
Institution:	Centre of New Technologies, University of Warsaw
Project leader:	Magdalena Jawiczuk, PhD
Project title:	Unconventional azo cross metathesis - theoretical and experimental studies
Competition type:	NCN SONATA 15
Financing institution:	NCN
Project description:	The main goal of the proposed research project is a systematic study of novel ruthenium-based catalysts able to catalyze hetero-functional cross metathesis reaction. In current proposal density functional theory (DFT) methods will be applied to thoroughly we will investigate and identify the crucial intermediates in the catalytic cycle of cross metathesis and other types of metathesis as well as study the possible decomposition pathways to be able to select catalysts with the best catalytic profile. The best candidates for efficient hetero-functional metathesis catalysts will be synthesized and characterized in the model reactions.
Key responsibilities include:	<ul style="list-style-type: none">– modelling of new chemical compounds with focus on carbenes and organometallic systems– analysis of the obtained data– active participation in lab meetings, scientific seminars and international conferences– participation in the data preparation and writing of 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 SONATA 15 grant.</p> <p>Enrolled as a student of first cycle studies, second cycle studies or uniform Master's studies conducted in a higher education institution on the territory of Poland, in chemistry or related discipline.</p> <ul style="list-style-type: none">- enthusiastic person with the capacity for logical and critical thinking,- good oral/written communication skills in English- previous experience in molecular modelling is welcome but not required
Required documents:	<ol style="list-style-type: none">1. Current curriculum vitae2. Copy of document confirming the student status on the date of starting work in the research project3. Signed information on the personal data processing
We offer:	<ul style="list-style-type: none">- an opportunity to participate in a multidisciplinary project in one of the best scientific institutions in Poland- stimulating, young and friendly work environment- access to state-of-art equipment- VERY flexible working time of 10-15 hours/week
Please submit the following documents to:	m.jawiczuk@cent.uw.edu.pl with the title undergraduate student application
Application deadline:	17.02.2021
Date of announcing the results:	25.02.2021
Method of notification about the results:	email