



CeNT-39-2024

**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 Small Molecules' Activation – Centre of New Technologies of the University of Warsaw.**

## JOB OFFER

Position in the project:	PhD Student
Laboratory:	Laboratory of Small Molecules' Activation
Scientific discipline:	Chemical sciences
Keywords:	Molecular magnetism, coordination chemistry, lanthanides, polycyclic aromatic hydrocarbons, computational chemistry
Job type:	Scholarship
Part-time/full-time:	Full-time
Number of job offers:	1
Remuneration/stipend amount/month:	5000 PLN gross gross per month
Position starts on:	1 Jan 2025
Maximum period of contract/stipend agreement:	38 miesięcy z możliwością przedłużenia o 12 mies.
Institution:	Centre of New Technologies, University of Warsaw
Project leader:	Przemysław J. Malinowski, PhD, D. Sc.
Project title:	Towards improved lanthanide-based single-molecule magnets based on sandwich complexes with polyaromatic hydrocarbons
Competition type:	OPUS 24 (LAP)
Financing institution:	National Science Centre
Project description:	The main goal of the project is the synthesis of novel complexes of lanthanides with polyaromatic hydrocarbons serving as ligands. Such species may exhibit interesting magnetic properties, including single molecule magnet behavior.
Key responsibilities include:	Computational investigation of lanthanide complexes obtained experimentally or planned to synthesize with the emphasis on the explanation of their magnetic properties, including SMM behavior
Profile of candidates/requirements:	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-LAP grant.  MSc or M. Res. degree in chemistry or related discipline. The MSc or M. Res. degree must be obtained before the date of employment in the



	<p>project. Confirmed status of a PhD student (on the date of starting work in the project at the latest)</p> <p>Ranking list would be made judging:</p> <ul style="list-style-type: none"><li>- academic achievements, i.e. scientific publications, patents, conference talks and posters, etc.</li><li>- research experience, i.e. participation in scientific projects, internships, stipends, awards, etc.</li><li>- competence related to the project, i.e. very good knowledge of coordination chemistry, experience in computational quantum chemistry methods used to describe small organic / organometallic / catalytic systems, experience in modeling of magnetic properties metal complexes would be an advantage, good knowledge of English (minimum B2)</li></ul> <p>Selected candidates may be invited for an interview (in person or online) expected between 23-30.12.2024.</p> <p>Competition may be closed with recommendation of no candidate if all the applicants would not fulfill the requirements or represent insufficient academic level.</p>
Required documents:	<ol style="list-style-type: none"><li>1. Cover letter</li><li>2. Current curriculum vitae with emphasis on scientific experience and list of most important courses taken during the studies with grades obtained; please include average of all grades from studies (for undergraduate and postgraduate levels where applicable)</li><li>3. Copy of MSc certificate (or, if the MSc certificate has not been obtained yet, a certificate/document about the date of MSc defense);</li><li>4. Document confirming the status of PhD Student (to be provided before starting work in the project);</li></ol> <p>3. Signed information on the personal data processing, available at: <a href="https://cent.uw.edu.pl/en/wp-content/uploads/sites/5/2020/07/Information-clause_personal-data-processing.pdf">https://cent.uw.edu.pl/en/wp-content/uploads/sites/5/2020/07/Information-clause_personal-data-processing.pdf</a> (English version);</p> <p><a href="https://cent.uw.edu.pl/pl/wp-content/uploads/sites/7/2020/07/Klauzula-informacyjna_przetwarzanie-danych-osobowych.pdf">https://cent.uw.edu.pl/pl/wp-content/uploads/sites/7/2020/07/Klauzula-informacyjna_przetwarzanie-danych-osobowych.pdf</a> (Polish version)</p> <p>Recommendation letters can also be supplied.</p> <p>Before entering the competition, candidates are obliged to familiarize themselves with <a href="#">Internal Reporting Procedure</a>.</p>
We offer:	<ul style="list-style-type: none"><li>● Work on ambitious project aimed at search for novel complexes with interesting magnetic properties</li><li>● Authorship of papers in top scientific journals</li><li>● Possibility to attend international scientific conferences</li><li>● Decent remuneration</li></ul>



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	<ul style="list-style-type: none"><li>• Possibility to learn many advanced methods of computational chemistry</li><li>• Friendly work environment</li></ul>
Please submit the following documents to:	<a href="mailto:p.malinowski@cent.uw.edu.pl">p.malinowski@cent.uw.edu.pl</a>
Application deadline:	22.12.2024, 10:00 CET
Date of announcing the results:	At latest on 31.12.2024
Method of notification about the results:	email, website: <a href="https://cent.uw.edu.pl/en/career/">https://cent.uw.edu.pl/en/career/</a>