



CeNT-34-2021

**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 Molecular and Cellular Signaling – Centre of New Technologies of the University of Warsaw.**

## JOB OFFER

Position in the project:	PhD student
Scientific discipline:	Biological Sciences (Molecular Biology/Biochemistry/Cancer Biology)
Laboratory:	Laboratory of Molecular and Cellular Signaling
Keywords:	Hedgehog, transcription factors, CRISPR/Cas9, high-throughput screening, transcriptional repression, cancer
Job type (employment contract/stipend):	Stipend
Number of job offers:	1
Remuneration/stipend amount/month	3500 PLN gross gross/month
Position starts on:	1/10/2021
Maximum period of contract/stipend agreement:	1 year
Institution:	Centre of New Technologies, University of Warsaw
Project leader:	Paweł Niewiadomski
Project title:	Mechanisms of transcriptional repression by Gli proteins in Hedgehog signaling
Project description:	Cancer is a disease of transcription factors - they drive tumor growth, metastasis, and prevent cell death in cancerous tissue. Gli proteins are transcription factors involved in many tumors. The mechanisms of the transition of Gli proteins into activators or repressors of transcription is poorly understood. To discover the molecular foundations of the regulation of Gli proteins in development and disease, you will use state-of-the-art techniques ranging from bioinformatics and high-throughput genetic screening, to next-generation sequencing, quantitative proteomics and confocal microscopy. For more information, please visit our website: <a href="http://lmcs.cent.uw.edu.pl/">http://lmcs.cent.uw.edu.pl/</a>
Key responsibilities include:	<ul style="list-style-type: none"> <li>• Designing, planning, and executing experiments</li> <li>• Analysing data</li> <li>• Presenting results at local and international conferences</li> <li>• Drafting manuscripts for publication</li> <li>• Attending classes as required by the doctoral school</li> </ul>
Profile of candidates/requirements:	<b>You need to be:</b>



	<ul style="list-style-type: none"><li>• Willing to take initiative in technical troubleshooting and experimental design</li><li>• Passionate about hard work in a high-pressure environment</li></ul> <p><b>Other requirements:</b></p> <ul style="list-style-type: none"><li>• Ability to communicate fluently in English</li><li>• Master's degree or equivalent in biology, biotechnology, pharmacy or related fields. The MSc degree should be obtained before the date of employment in the project</li><li>• Experience in molecular cloning, cell culture, and loss-of-function methods in mammalian cells (siRNA, shRNA, CRISPR-Cas9) will be a plus</li><li>• Ideally, the candidate should have a track record of co-authorship of conference presentations, journal papers and/or preprints</li><li>• The candidate must be enrolled in a PhD program at the start of employment</li></ul>
Required documents:	<ol style="list-style-type: none"><li>1. Cover letter describing personal motivation to apply for this position;</li><li>2. CV with contact information for at least 2 references, one of whom should preferably be your MSc advisor;</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 employment in the project);</li><li>5. Signed <a href="#">information on the personal data processing</a>.</li></ol>
We offer:	<ul style="list-style-type: none"><li>• An environment that pushes you to <b>excel</b>, fostering your <b>creativity, autonomy, and personal growth</b></li><li>• Strong <b>mentoring</b> that will help you develop into a mature and well-rounded scientist</li><li>• Access to state-of-the-art <b>equipment</b></li><li>• A competitive stipend</li></ul>
Please submit the following documents to:	Please send the following information to <b>lmcs.recruitment@gmail.com</b> (put "PhD student" in the subject line).
Application deadline:	1/08/2021
Date of announcing the results:	1/09/2021
Method of notification about the results:	e-mail