



CeNT-35-2020

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 Interdisciplinary Laboratory of Molecular Biology and Biophysics Centre of New Technologies of the University of Warsaw.

JOB OFFER

Position in the project:	PhD Student
Laboratory:	Interdisciplinary Laboratory of Molecular Biology and Biophysics
Scientific discipline:	Chemical sciences (bioorganic chemistry) or life sciences (molecular biology, biochemistry, cell biology)
Keywords:	cap structure, immunogenicity, mRNA degradation, translation
Job type (employment contract/stipend):	Stipend/scholarship
Part-time/full-time:	Full-time
Number of job offers:	1
Remuneration/stipend amount/month:	5 000 PLN (gross gross)
Position starts on:	01.10.2020
Maximum period of contract/stipend agreement:	24months, with a possibility of extension up to 36 months
Institution:	Centre of New Technologies, University of Warsaw
Project leader:	Prof. Edward Darzynkiewicz
Project title:	Designing modified mRNAs as vaccines and therapeutic protein carriers. Studies on their immunogenicity in the context of translational activity and cellular stability.
Competition type:	Opus 17
Financing institution:	National Science Centre
Project description:	This is an interdisciplinary project aimed at understanding the importance of various cap structure modifications, their influence on the process of translation, degradation and recognition of mRNA. As a part of our research we will design transcripts that will contain new cap analogues ensuring high translational efficiency and resistance to degradation, and additional structural elements to ensure correct identification of the mRNA introduced into the cell. Synthesized mRNA molecules will be tested for use in anticancer therapies and regenerative medicine.
Key responsibilities include:	If Ph.D student in Chemistry: synthesis and purification of cap analogs and their further chemical characterization. If Ph.D student in Biology: Biological characterization of modified mRNA including biochemical and in cell experiments.



Profile of candidates/requirements:	<p>We seek candidates with:</p> <ul style="list-style-type: none">-MSc degree in bioorganic chemistry, molecular biology, biochemistry, biophysics or related field. The MSc degree should be obtained before the date of employment in the project – by 30.09.2020 at the latest-Confirmed status of a PhD student on the day of starting the work in the project (01.10.2020). To receive the stipend, the successful candidate needs to have a PhD student status at Polish university either in a PhD programme or in a Doctoral School of Exact and Natural Sciences at the University of Warsaw,-strong interest in mRNA metabolism,-fluent English <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 17 grant.</p>
Required documents:	<ol style="list-style-type: none">1. Cover letter2. Current curriculum vitae3. Copy of MSc certificate (or, if the MSc certificate has not been obtained yet, a certificate/document about the date of MSc defense);4. A list of publications and conference presentations5. Two letters of recommendations submitted directly to the email address indicated below
We offer:	Interesting work in a dynamically developing team. Laboratory equipped with modern research equipment. Friendly working environment. International cooperation, possibility of further development.
Please submit the following documents to:	edward.darzynkiewicz@cent.uw.edu.pl with the title: Ph.D student
Application deadline:	22 August 2020
Date of announcing the results:	15 September 2020
Method of notification about the results:	e-mail

To allow us to process your data, please include in your application the signed information on the personal data processing, available at: <http://bsp.adm.uw.edu.pl/bsp/druki-i-formularze/>