



CeNT-32-2021

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 NMR Spectroscopy – Centre of New Technologies of the University of Warsaw.

JOB OFFER

Position in the project:	Student
Laboratory:	Laboratory of NMR Spectroscopy
Scientific discipline:	Physics
Keywords:	Nuclear Magnetic Resonance spectroscopy, signal processing
Job type (employment contract/stipend):	stipend
Number of job offers:	1
Remuneration/stipend amount/month:	2000 PLN
Position starts on:	1.10.2021
Maximum period of contract/stipend agreement:	6 months
Institution:	Centre of New Technologies, University of Warsaw
Project leader:	Krzysztof Kazimierczuk
Project title:	“Methods of non-stationary signal processing for more sensitive NMR spectroscopy” <i>Project is carried out within the FIRST TEAM programme of the Foundation for Polish Science</i>
Financing institution:	Foundation for Polish Science
Project description:	The goal of the project is to develop novel methods of data processing for "serial" Nuclear Magnetic Resonance (NMR) experiments. Methods of analysis of non-stationary signals will be implemented in various types of experiments - from the study of small molecules and their mixtures to studies of macromolecules. The expected result of the project will be a package of experimental protocols and programs for data processing.
Key responsibilities include:	<ol style="list-style-type: none">1. Implementation of the developed solutions based on the Radon transform and related methods in practical applications of NMR spectroscopy.2. Application of the developed solutions in chemical problems.



Profile of candidates/requirements:	<ol style="list-style-type: none">1. Bachelor degree in physics (or scheduled defense date)2. Understanding of basics of NMR spectroscopy and signal processing3. Basic programming skills are welcome4. Candidate must become a graduate student in academic year 2021/22 and will receive a scholarship of 2000 PLN/month for 6 months
Required documents:	<ol style="list-style-type: none">1. Cover letter2. Current curriculum vitae3. Copy of document confirming the student status4. Signed information on the personal data processing
We offer:	<ul style="list-style-type: none">- Interdisciplinary environment of the Center of New Technologies- Work in a dynamic group engaged in international collaborations.- Direct contact with high-class equipment (Agilent 700 MHz and Magritek 43 MHz spectrometers).
Please submit the following documents to:	k.kazimierczuk@cent.uw.edu.pl email entitled: „STUDENT APPLICATION”
Application deadline:	30.07.2021
Date of announcing the results:	25.08.2021
Method of notification about the results:	email



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