



**DEAN OF THE FACULTY OF FOOD SCIENCE
UNIVERSITY OF WARMIA AND MAZURY IN OLSZTYN**

opens a call

for Assistant position in a group of researchers

in the Department of Physics and Biophysics

within the project

HORIZON-MSCA-2021-DN-01-01 - MSCA Doctoral Networks 2021

<https://cordis.europa.eu/project/id/101072758>

NMR relaxometry for biomedicine and advanced materials

DESCRIPTION:

Marie Skłodowska-Curie Doctoral Network FC-RELAX “NMR relaxometry for biomedicine and advanced materials” provides research and training in the field of NMR relaxometry by developing its theoretical framework towards biological systems and complex materials, and by exploiting these theoretical models with applications focused on the characterization of biomedical systems and advanced materials. Objective of the research programme is better understanding key molecular processes occurring in biological systems and materials to unlock innovations in biomedical technology, medical diagnosis, ionic liquids for energy storage, design of innovative drugs and biologics acting on specific molecular targets. The scientific approach is strongly multidisciplinary.

**This announcement concerns the position offered by University of Warmia and Mazury in Olsztyn for the research project titled:
"Slow dynamics of biomolecular systems"
under the supervision of prof. Dr hab. Danuta Kruk.**

University of Warmia and Mazury in Olsztyn offers PhD in biology (36 months)

The offered grant covers a period of 36 months.

The recruited person will attend the following **training activities**:

- Courses provided by the University Doctorate School
- Joint Training Courses, Complementary Training Courses and Multidisciplinary Research Workshops organized by FC-RELAX
- Secondments:
4 months at the University of Rostock, Germany for comparison of Molecular Dynamics simulations outcomes with specific motional models
3 months at Resonance Systems GmbH, Kirchheim unter Teck, Germany, for time domain NMR measurements.

The recruited person will get **multidisciplinary training** in the many aspects of NMR relaxometry and its applications, and focused **training-through-research** in a selected research topic, in the fields of life sciences and material sciences. The participating persons will be trained to develop themselves into skilled, open-minded, independent young researchers, to work in multidisciplinary environments, to get used to mobility and transnational collaborations, to participate and communicate their research in international conferences. The expertise acquired during the PhD course fully meets the requirements for future academic professionals and will be of potential interest e.g. for pharmaceutical industries and biotechnology.

RESEARCH FIELD: Physics, Chemistry, Biology

AMOUNT:

The recruited person will be entitled to a 36-month grant to cover his/her participation costs, living, travel and installation allowance, as follows:

Living allowance (€/month)	Mobility allowance (€/month)	Total grant (€, gross amount for 36 months)
2,397.00	600.00	107,892.00

The allowance will be paid in PLN (Polish Zloty)

This is a *gross amount including compulsory deductions under Polish law, such as employer and employee social security contributions and direct taxes*. The recruited researcher will be paid the amount indicated above minus all compulsory deductions under the national legislation.

If the recruited researcher has a family (persons linked to the researcher by marriage or dependent children who are actually being maintained by the researcher) a family allowance of 660.00 €/month (its equivalent in PLN) is foreseen.

The cost of the PhD educational activities, as well as all expenses related to travels performed to attend schools, workshops, and network-organized events, will be sustained by the network through the HORIZON EUROPE MSCA-DOCTORAL NETWORK grant.

REQUIREMENTS:

- Master degree (or equivalent) in fields of chemistry, physics, engineering, pharmacy, biology, biotechnology, math, informatics or equivalent subjects.

ELIGIBILITY CRITERIA:

There are strict eligibility requirements for the PhD positions in MSCA-DN. Please ensure to be qualified before applying, as ineligible candidates cannot be considered.

- Master's degree (or equivalent) in the fields of *chemistry, physics, engineering, pharmacy, biology, biotechnology, math, informatics* or equivalent subjects.
- Applicants are required to be proficient in the English language
- Applicants should not yet have been awarded a doctorate.
- Applicants must not have resided or carried out their main activity (work, studies, etc.) in the country of the recruiting beneficiary for more than 12 months in the 36 months immediately before the recruitment date — unless as part of a compulsory national service or a procedure for obtaining refugee status under the Geneva Convention.

In accordance with Polish law, a diploma of graduation from a foreign country may be recognized as equivalent to the corresponding Polish diploma and professional title on the basis of an international agreement determining equivalence, and in the absence of such an agreement - by nostrification proceedings. The obligation to comply with the above regulations for the recognition of a diploma in Poland rests with the candidate.

SELECTION PROCESS:

Applications must be submitted by email at the address:

fcrelax@cerm.unifi.it

within **April 30th 2023 at 17:00 CET**

and should include:

- CV
- certificates/university transcripts
- up to two recommendation letters
- motivation letter

The selected candidate will need to provide additional documents.

In the application, the candidates should indicate the preferred scientific projects/participant groups they wish to join.

Please note that 11 PhD positions are offered by the FC-RELAX Consortium.

Website for additional job details:

<https://fcrelax.cerm.unifi.it/index.php?id=open-positions>

The fellows will be pre-selected on the basis of submitted documentation. The pre-selected candidates will be invited for a job interview by videoconference. The candidates will be selected on the basis of the following criteria (in random order):

- scientific skills and research experience
- ability to collaborate and communicate
- career profile and potential for excellence
- expected impact of the proposed training on their career
- research project.

In the recruitment, special attention will be paid to respect gender balance and minority rights

ADDITIONAL INFORMATION:

- The PhD course begins on **October 1st 2023**
- The University of Warmia and Mazury in Olsztyn will be the primary place of work within the meaning of Art. 120 of the Act of July 20, 2018 Law on Higher Education and Science (Journal of Laws of 2022, item 574, as amended)
- For more information, please contact: danuta.kruk@uwm.edu.pl
Phone number: +48516849233

Dean of the Faculty of Food Science

prof. Dr. hab. Eng. Małgorzata Darewicz