

PHD STUDENT IN THE DOCTORAL SCHOOL – CALL FOR APPLICATIONS

Position: PhD student in physical sciences

Unit of the project realization: Faculty of Science and Technology – University of Silesia in Katowice

Unit realizing the PhD student education: Doctoral School at the University of Silesia in Katowice

The PhD student will be involved in the National Science Center (NCN) project, the aim of which is to investigate how factors such as size, shape anisotropy, structural complexity, orientation, and value of dipole moment influence the reorientation dynamics of large glass-forming molecules studied with broadband dielectric spectroscopy (BDS). In particular, the PhD student will be responsible for the performance of dielectric and rheological measurements following the assumptions of the project. He/she will be responsible for data analysis, planning further experiments, preparing manuscripts for publications, and will be obliged to participate in scientific conferences.

The research will be carried out in the frame of the project „Towards an understanding of the reorientation dynamics of rigid and non-rigid sizable anisotropic molecules constituting a new class of glass-forming materials with peculiar relaxation properties revealed in dielectric relaxation studies” (Opus 21, UMO-2021/41/B/ST5/00992), financed from NCN under the management of Dr. Marzena Rams-Baron

Duration of the scholarship: up to 48 months

Scholarship amount: 4 266,58 PLN/month

Project description:

<https://www.ncn.gov.pl/sites/default/files/listy-rankingowe/2021-03-15bhga1/streszczenia/520128-en.pdf>

Requirements:

1. MSc diploma (or equivalent) in a field of physics, chemistry, material engineering, or any related;
2. Basic knowledge in the field of physical chemistry and molecular physics;
3. Proficiency in English enabling writing of scientific articles and presentation of results at international conferences;
4. Strong motivation for research work;
5. Scientific achievements, in particular publications and conference presentations.



Required documents:

1. Motivation list with a description of the scientific interests;
2. CV with a list of scientific achievements and publications;
3. Copy of diploma;
4. Recommendation letter.

Candidates should register in IRK system and select „Doctoral School – admission to a grant”.

Documents should be delivered till **September 23, 2022** to an e-mail: Marzena.ramsbaron@us.edu.pl

In case of any questions, before the formal application please contact to the grant leader for the e-mail address given above.

Documents will be rated by the commission, led by the project leader. Admission will be carried out according to the NCN regulations. Admission can be carried out both in Polish and in English. Meeting will be organized on **September 26, 2022** on-line. Final decision will be sent to candidates via e-mail till **September 26, 2022**.

