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Wydział Chemii



Warsaw, 31.01.2025

An announcement for research scholarship

Research scholarship in the NCN OPUS 27 project entitled "Bio-QCr: Employing the Full Potential of 3D Electron Diffraction in Macromolecular Crystallography Using Quantum Crystallography" financed by the National Science Centre, Poland is open for application. Project leader: prof. dr hab. Paulina M. Dominiak. For more details see

<http://4xeden.uw.edu.pl/2025/01/18/bio-qcr/>

Available positions: 1.

We are looking for motivated candidates:

- with a MSc degree in chemistry, biology, biotechnology or related fields;
- status of a participant in doctoral school or a student of first-cycle, second-cycle or uniform master's studies carried out at universities in Poland;
- knowledge of crystallography, electron microscopy and quantum chemistry at the level of university master's courses;
- basic practical training in methods used in crystallography;
- good knowledge of written and spoken English.

Main duties:

- participation in the expansion of the MATTS data bank;
- (periodic) DFT calculations towards the analysis of molecular properties;
- preparation of small-molecule crystal samples and collection of high-resolution 3D ED and XRD data;
- IAM, TAAM and multipole refinements on simulated and experimental 3D ED and XRD data
- comparative analyses;
- preparation of presentations, reports and publications;

We offer:

- from 1,000 PLN to **5,000 PLN** net per month, depending on the scope of tasks assigned based on the scholarship holder's qualifications;
- scholarship period: 12 months with the possibility of extension to a maximum of **48 months**;
- commencement of the scholarship: from **April 2025**, although a later start date is permitted for important reasons.

Required documents (in English):

- Curriculum Vitae (including list of scientific articles, conference presentations, awards, international internships, scholarships, workshops, participation in research projects)
- motivation letter (What are your scientific interests? What are your key strengths and achievements? Why do you want to work in the project?)
- copy of the MSc diploma or a certificate of MSc thesis defense date
- one dedicated to this announcement recommendation letter sent by the referee directly to prof. Dominiak (pdomin@chem.uw.edu.pl)
- information on the processing of personal data: [klauzula RODO](#)

Please submit the documents **no later than 2.03.2025** to: **pdomin@chem.uw.edu.pl** (PDF is the preferred format). E-mail entitled: "Bio-QCr scholarship"

The documentation submitted by the candidates will be assessed by a Committee chaired by the PI. Only candidates who submit complete documentation will be considered in the recruitment procedure. Selected candidates may be invited by e-mail, no later than **7.03.2025**, to participate in the interview. In the case of not signing the contract by the candidate, due to the resignation, we reserve the right to choose the next candidate from the ranking list. The competition may be repeated until a suitable candidate who fulfils all requirements is found.

The results of the competition will be given by e-mail till **20.03.2025**.