



CORE FACILITY FOR
CRYSTALLOGRAPHY
AND BIOPHYSICS



University of Warsaw
Biological and Chemical
Research Centre

BSc Student positions available!

The project "Core facility for crystallographic and biophysical research to support the development of medicinal products" is funded by the **TEAM-TECH Core Facility** programme from the **Foundation for Polish Science**. The project will establish a **Core Facility for Crystallography and Biophysics (CFCB)** at the Biological and Chemical Research Centre, University of Warsaw under the supervision of **Prof. dr hab. Krzysztof Woźniak**.

We are looking for **1 BSc Students in the chemistry ("CHEM")** CFCB pipeline.

The mission of the new Facility is analysis of proteins and small chemical compounds (molecules) leading to crystallization trials for academic and commercial users. The project enable study of challenging biochemical and pharmaceutical problems, with emphasis on drug development and collaborations with the local research groups. Work at CFCB is carried out in an interdisciplinary way, including both wet chemistry and biology techniques, as well as theoretical approaches including structure modelling, bioinformatics and computational methods. Biology ("BIO") and chemistry ("CHEM") team members work in synergy complementing their knowledge, skills and experience. Apart from services and collaborations, BSc student is expected to carry out research projects in small-molecule. Young scientists working in the project will have the benefit of mentoring and exchange visits with the project partners, Wladek Minor (University of Virginia, USA) and Ben Luisi (University of Cambridge, UK). Work at CFCB will consist in collaborations with biotech/pharmaceutical companies, such as WPD Pharmaceuticals or the Pharmaceutical Research Institute in Warsaw.

Candidate's profile:

- Field of study in chemistry or a related subject
- Documented experience working in chemistry laboratories
- Basic knowledge of structural analysis of small-molecule crystals
- Knowledge of crystallography and diffraction measurements will be considered a strong advantage
- Good level of written and spoken English

Application should include:

- Motivation letter, Curriculum Vitae, Academic transcripts, Letter of recommendation (optionally).

Candidate should expect:

- Scholarship - 1 500 PLN/month for 12 months, starting from December 2018.
- Participation in scientific schools, workshops and conferences.

We expect from candidate:

- To conduct routine X-ray structural analysis and interpretation of measurement results, especially in small-molecule crystallography, experimental and theoretical electron charge density investigations, application of quantum crystallography approaches (HAR), *ab initio* crystal and molecular structure computing.
- Operation and maintenance of all equipment in the "CHEM" pipeline (under supervision of CFCB personnel), using established protocols, performing and writing analyses, data and sample management.

Selected candidates will be invited for an interview in English, in person or via Skype, around mid-November 2018.

Applications should be submitted to Prof. dr hab. Krzysztof Woźniak by e-mail: cfcbuw@cnbc.uw.edu.pl not later than November 9th, 2018.

Please include in your offer: "I hereby give consent for my personal data included in my application to be processed for the purposes of the recruitment process under the Personal Data Protection Act as of 29 August 1997, consolidated text: Journal of Laws 2016, item 922 as amended."

