

Master's studentship in molecular and structural biology

Join the Project Team of Dr. Katarzyna Bandyra at the University of Warsaw

Dr. Katarzyna Bandyra's team at the University of Warsaw is seeking a motivated master student to join a project on RNA transport to mitochondria, supported by the 2.2 FENG First Team grant from the Foundation for Polish Science. This position offers a unique opportunity to learn and apply the revolutionary technique of electron cryomicroscopy which is significantly advancing the field of structural biology.

Project Overview:

The project aims to decipher the mechanisms of mitochondrial RNA transport through comprehensive biochemical and structural characterization of proteins essential for mitochondrial homeostasis. This research will enhance our understanding of cellular processes and protein-RNA interactions within mitochondria, with the ultimate goal of designing an efficient system for RNA delivery to this organelle.

Key Responsibilities:

- Protein expression in bacterial and mammalian systems and protein purification
- Characterization of protein-protein and protein-RNA interactions
- Structural analysis of protein-RNA complexes

Candidate Requirements:

We are looking for an outstanding young researcher with the following qualifications:

- Enrolment in a Master's program over the duration of the studentship
- Bachelor degree in biotechnology, chemistry or a related field (might be pending during recruitment)
- Strong interest in protein biochemistry and the biology of protein-RNA complexes
- Previous experience working in a biology or chemistry laboratory
- Excellent organizational skills and very good level of written and spoken English

Application Process:

Interested candidates should submit their application to recruit.bandyra@gmail.com by 10th July 2025, with the subject line "First Team-master". The application must include:

- Motivation letter and CV
- At least one letter of recommendation or the contact details of a referee
- BSc diploma copy (if available) and academic transcripts
- Consent clause for the processing of personal data (*"I agree to the processing of personal data provided in my application (CV, cover letter, and other submitted documents) by the University of Warsaw for realising my recruitment process."*; Please sign and date the consent).

Position Details:

- Start Date: October 2025; duration: 16 months; studentship: 1500 PLN gross per month