



ADAM MICKIEWICZ UNIVERSITY IN POZNAŃ

ANNOUNCES A COMPETITION

for a position of MSc student/scientific scholarship

at the Faculty of Biology

in the OPUS project of the National Science Center on „The mechanism of RNA recognition by KH-domain proteins KhpA and KhpB from *Streptococcus pneumoniae*”,

project No. UMO-2022/47/B/NZ1/01665

Research topic:

Ribonucleic acid (RNA) molecules play immensely important and diverse roles at many stages of gene expression in all living organisms. RNA-related mechanisms are also responsible for pathogenesis of human diseases, and RNA molecules are used in therapeutic strategies. The role of small RNAs and assisting chaperone proteins in Gram-negative bacteria is well known. However, in Gram-positive bacteria, these processes are less well understood. Recent studies have shown that *Streptococcus pneumoniae* bacteria, which cause upper respiratory tract infections, contain the chaperone proteins KhpA and KhpB. These proteins recognize numerous RNA molecules, meaning they may act as global regulators of gene expression. Furthermore, they are essential for the proper cell division of these bacteria, a process that is an important target for antibiotics.

Aim of the MSc thesis:

The aim of this master's thesis is to determine whether KhpA and KhpB proteins must associate together before they can recognize a regulatory RNA molecule. This is important for understanding their mode of action. The MSc project will involve introducing mutations into proteins, obtaining RNA molecules, analyzing interactions between proteins and fluorescent RNAs, and predicting the structures of proteins and RNAs and their interactions.

Scholarship:

Scholarship is 1 500 PLN monthly, for 20 months.

How to apply?

To apply, please, send your curriculum vitae and a list of grades in BSc studies to mol@amu.edu.pl by October 23rd. The results are expected to be announced by October 29th,

2025. If you have any questions, it is best to stop by to talk (room 1.121 at the Institute of Molecular Biology and Biotechnology, Prof. Mikołaj Olejniczak) or send an email. Your application should include a statement of consent to the processing of personal data.

Additional information:

Additional information can be found on the webpage of Laboratory of RNA Biochemistry (<https://zakbioch.web.amu.edu.pl/>) and in the announcement on the webpage of the National Science Centre (<https://www2.ncn.gov.pl/baza-ofert/?akcja=wyswietl&id=230124>).

The recruitment committee reserves the right to contact only selected candidates. Results will be announced on the website: amu.edu.pl.

Information clause for jobseekers

Pursuant to Article 13 of Regulation (EU) No. 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of individuals with regard to the processing of personal data and on the free movement of such data and repealing Directive 95/46/EC - General Regulation on data protection (Official Journal of the European Union L 119/1 of 04.05.2016) I hereby inform you that.

1. The Controller of your personal data is Adam Mickiewicz University in Poznań with its registered office at 1, Henryka Wieniawskiego Street, 61-712 Poznań.
2. The controller of personal data has appointed a Data Protection Inspector to supervise the correctness of personal data processing, who can be contacted via e-mail address: iod@amu.edu.pl.
3. The purpose of the processing of your personal data is to carry out the recruitment process for the indicated position.
4. The legal basis for the processing of your personal data is Article 6(1)(a) of the General Data Protection Regulation of 27 April 2016 and the Labour Code of 26 June 1974 (Journal of Laws of 1998, N21, item 94, as amended).
5. Your personal data will be stored for a period of 6 months from the end of the recruitment process.
6. Your personal data will not be made available to other entities, except for entities authorized by law. Access to your data will be granted to persons authorized by the Controller to process them within the scope of their professional duties.
7. You have the right to access your data and, subject to the provisions of law, the right to rectify, delete, restrict the processing, the right to transfer data, the right to object to the processing, the right to withdraw consent at any time.
8. You have the right to lodge a complaint to the supervisory authority - the President of the Office for Personal Data Protection, ul. Stawki 2, 00-193 Warszawa.
9. Provision of personal data is obligatory on the basis of legal regulations, in the remaining scope it is voluntary.

10. With regard to your personal data, decisions will not be taken automatically, in accordance with Article 22 RODO.

Consent clause

In accordance with Article 6(1)(a) of the General Data Protection Regulation of 27 April 2016 (Journal of Laws of the EU L 119/1 of 4 May 2016) I agree to the processing of personal data other than those indicated in Article 221 of the Labour Code (name(s) and surname; parents' names; date of birth; place of residence; address for correspondence; education; previous employment), included in my job offer for the purpose of current recruitment.

The applicant should be informed in the job application notice that his/her CV should include a clause with the required content, in which case it will be considered.

date and signature