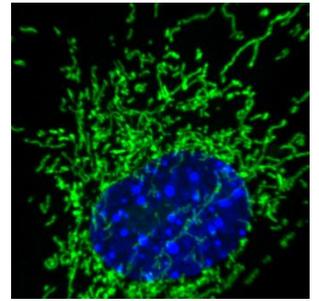


PhD student position available

A PhD student position is available in the Laboratory of RNA Biology and Functional Genomics, Institute of Biochemistry and Biophysics of Polish Academy of Sciences in Warsaw.

We are looking for a highly motivated candidate who would like to join a mitochondrial research group working under the supervision of dr. Roman Szczesny.

In collaboration with a few other teams we have recently found that the transcription of the mitochondrial genome is a major source of dsRNA in humans (*Dhir, Borowski.... Szczesny & Proudfoot, Nature, 2018*). We discovered that dsRNA can be released from mitochondria, which results in activation of the innate immune system and can contribute to human disease. To identify proteins involved in mt-dsRNA metabolism we conducted a genome-wide siRNA screen, where the level of mt-dsRNA was measured by high-throughput fluorescent microscopy. This resulted in the identification of several putative factors related to mt-dsRNA, including known mtRNA players as well as proteins whose link to mtRNA metabolism was unexpected. These proteins will be subjected to functional studies during the project. Our long term goal is to understand the molecular mechanisms of dsRNA metabolism in human mitochondria and explore potential links between mt-dsRNA and human diseases. The project is carried out within the FIRST TEAM programme of the Foundation for Polish Science.



Stipend amount: 3500 PLN/month
Position starts on: 01-12-2018
Maximum period of stipend agreement: 36 months

Profile of candidate/requirements:

1. Master degree in biology, biochemistry, genetics or other related life science discipline.
2. Passion for science, love of experimental research, creativity. Ability to work independently as well as in a team.
3. Ability to analyze data and draw conclusions. Outstanding university records.
4. Good communication and organization skills. Interest in various life science disciplines would be an advantage.
5. At least one year of experience in experimental research (molecular and/or cellular biology).
6. Any experience in NGS or involvement in studies on mitochondrial biology would be an advantage.
7. The successful candidate will need to be enrolled at the School of Molecular Biology IBB PAS.

Required documents:

1. CV including scientific achievements, short description of research project(s) conducted so far, list of known/used methods by the applicant, any other relevant information (prizes, honors, IT skills).
2. Copy of MSc diploma or any other document which confirms MSc promotion
3. List of academic grades (diploma supplement), if available
4. Contact information for at least one professional reference
5. Optional documents: reference letter(s), motivation letter - summary and relevance of your current research and why you are interested in the position (maximum 1 page, Calibri, 12 pts)
6. All documents (written in English or Polish) should be merged into one pdf file. The file should be named as follows: Last name_First name_CV.pdf **Please submit following document to:** PhDstudent.mtRNA@gmail.com

Full offer: <https://euraxess.ec.europa.eu/jobs/341808>

Selection process:

Application deadline is 14-11-2018, 12:00:00 (local time). Applications submitted after the deadline will be still considered if positions are not filled. Selected candidates will be invited for interview.

Please include in your offer:

I hereby give my consent for the processing of my personal data by the Institute of Biochemistry and Biophysics PAS with its seat in Warsaw Pawińskiego 5a, 02-106 hereinafter referred to as the Institute for the purpose of the recruitment process and for future recruitment processes conducted by the Institute under Art. 23 ust 1 pkt 1 of the Personal Data Protection Act dated on 29 August 1997, consolidated text: Journal of Laws 2016, item 922 with further amendments and under Art. 6 ust. 1 lit. a of Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such GDPR (Dz. U. UE. L. z 2016 r. Nr 119.).

