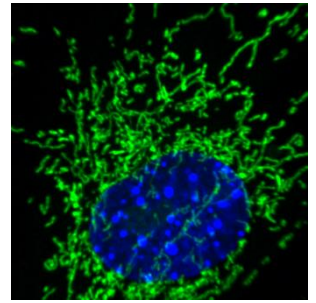


## Postdoc position available

A postdoc 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.



**Remuneration:** 6000 PLN/month (net)    **Position starts on:** 01-12-2018    **Maximum period of contract:** 36 months

### Profile of candidate/requirements:

1. Passion for science, love of experimental research, creativity. Ability to work independently as well as in a team.
2. Ability to analyze data and draw conclusions. Good communication and organization skills.
3. Strong background in RNA biology, bioinformatics, biochemistry or imaging will be an advantage.
4. Any experience in NGS, involvement in studies on mitochondrial biology will be an advantage.
5. The successful candidate has to hold a PhD degree in a relevant discipline (biology, biochemistry or other) at the time of starting the position. If necessary the start of the position can be postponed by 2-3 months. The PhD degree cannot have been obtained earlier than 2013.

### 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, organization of scientific meetings, experience in supervision of students/teaching).
2. Copy of PhD diploma or any other document which confirms PhD promotion; alternatively information on expected date of PhD defense.
3. List of publications, if applicable. Contact information for at least one professional reference.
4. 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)
5. 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:** [postdoc.mtRNA@gmail.com](mailto:postdoc.mtRNA@gmail.com)

**Full offer:** <https://euraxess.ec.europa.eu/jobs/341807>

### 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.).