



Postdoctoral position in Plant Cell Biology

The successful candidate will join the project entitled: "Insight into the pollen biology in *Arabidopsis thaliana*: Functional analysis of annexin 5 (ANN5) in re-organization of translational machinery during pollen development and in response to the environmental stress" that is carried out as the OPUS UMO-2021/43/B/NZ3/02861 grant of the Polish National Science Centre led by dr. Małgorzata Lichočka.

Description of the project:

The aim of the project is to decipher how ANN5 influences cellular translational machinery in the developing pollen grains and under stress conditions. Our preliminary data indicate that *Arabidopsis* plants with the modified ANN5 expression levels display an aberrant rDNA transcription and processing of the 45S pre-rRNA. It is likely that understanding the role of ANN5 will provide new evidence linking ribosome biogenesis during pollen development and regulation of RNA translation in mature pollen grains.

As a postdoctoral researcher you will apply proteomic tools to characterize ANN5 modifications induced by stress. You will also study the biological function of modified ANN5 in *Arabidopsis*. Your efforts will help to uncover a new layer of plant stress response to adverse conditions.

Qualifications:

- Applicants must have a doctoral degree in biology, biochemistry or biotechnology obtained not earlier than 7 years before the year of employment in the project (not including maternity leaves).
- Hands-on experience in molecular biology and plant biology/physiology, protein purification techniques, protein-protein/molecule interactions and proteomic data analysis.
- Competence in designing and carrying out scientific experiments (independently and in collaboration with other team members).
- Proficiency of English language (presentation and writing skills).

We offer:

Full-time employment contract initially for one year with possible extension up to 4 years (start date is negotiable). The position is available immediately.

Salary: 120 000 PLN/year gross gross

Benefits include a reduced rate for an individual medical care package and membership in the MultiSport program, free polish language course offered for foreigners, position with 100% focus on research (no teaching obligations).



Required documents:

The application (merged in a single pdf file) in English or in Polish should be send to dr Małgorzata Lichočka (mlichocka@ibb.waw.pl).

It should contain a CV including scientific achievements and a list of publications, cover letter describing your research experience (with description of methodology used) and interests, a copy of PhD diploma and contact addresses of two referees.

All applications must contain the following statement to allow us to process your data: "I hereby give consent for my personal data included in the job offer to be processed for the purposed recruitment under the Data Protection Act 1997 (Dz. U. 2002 no. 101, item 926 with subs. changes)."

Application deadline: 28th of February 2023

Candidates fulfilling the above requirements will be invited to an online interview.