



Institute of Biochemistry and Biophysics PAS, Laboratory of RNA Regulation of Microbe-Host Interactions is opening a call for a post-doctoral position in the project “RECAP-Bf: RNA Control of Envelope and Carbohydrate-Associated Pathways in *Bacteroides fragilis*” funded by the National Science Centre (Narodowe Centrum Nauki).

Position: Post-doctoral researcher

Number of vacancies: 1

Work place: Institute of Biochemistry and Biophysics PAS

Starting date: 20.11.2026

Job description:

This project investigates small sRNAs as post-transcriptional regulators in *Bacteroides fragilis*, an important human gut symbiont that can also act as a pathobiont under inflammatory or dysbiotic conditions. Building on our ongoing transcriptomic work, we will identify sRNAs expressed under diverse conditions, and determine how they regulate polysaccharide utilization and envelope-associated systems, including capsules, outer membrane vesicles, and type VI secretion systems. The project will combine transcriptomics, experimental validation, and synthetic RNA design to reveal mechanisms of bacterial adaptation and establish proof-of-concept RNA-guided modulation strategies.

The candidate will be expected to have prior experience in RNA biology or molecular genetics with experience in anaerobic microbiology considered an advantage. The postdoc will independently lead the envelope stress regulatory arm and the synthetic RNA engineering component, including the design, expression, and phenotypic testing of strains and constructs. They will also contribute to the development of mechanistic assays (e.g. EMSA, dual-reporter assays, RNA affinity purification), data interpretation, and manuscript preparation. This role is tailored as a stepping-stone towards scientific independence, with opportunities to co-supervise and project development at later stages. The postdoctoral researcher will have access to mentoring, networking, and opportunities to present at international meetings, in alignment with their long-term career development

Requirements:

- 1) PhD in microbiology, molecular biology, or related life science discipline.
- 2) Proven experience with RNA biology and/or bacterial genetics (preferably in anaerobic or gut microbes).
- 3) Background in transcriptomics is a plus (RNA-seq library preparation and analysis).
- 4) Expertise in RNA biochemistry methods is a plus (Northern blotting, EMSA, RNA structure probing).

- 5) Demonstrated ability to work independently and supervise junior researchers.
- 6) Excellent written and oral communication skills in English, with a track record of publications in microbiology or RNA biology.

Selection criteria:

- Technical competencies, experience and specialized knowledge essential for this position.
- Scientific achievements - publications, awards, grants, etc.
- Soft skills – proficiency in English, Polish, motivation, communication skills, teamwork ability, alignment of individual development plans with project goals.

Candidates will be selected through an open competition, in accordance with the principles set out in the [European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers](#)

The application must include:

- Curriculum vitae
- Motivation letter
- At least one recommendation letter and contact details of the referee/s
- A list of publications, if applicable
- Signed “Information clause on the processing of personal data for IBB PAS recruitment” available at the web site [<https://ibb.edu.pl/en/career/career/>]
- Signed and filled out “Application form for IBB PAS recruitment” available at the web site [<https://ibb.edu.pl/en/career/career/>]

We offer:

- Full-time employment contract for 3 years (with a possibility of extension for next 2 years)
- Salary range: **8000-8850** PLN/month gross pay (with one additional annual remuneration)
- Full technical, administrative, and organizational support from professional English-Polish speaking personnel
- Opportunities for professional development
- Position with 100% focus on research (no teaching obligations)

How to apply:

Please send the aforementioned documents by email to **recruitment@ibb.waw.pl**.
If you have any questions, please contact **dryan@ibb.waw.pl**.

Please include the following consent to process personal data (applications not including this statement will not be processed for legal reasons): “I hereby agree to the processing of my personal data, included in the application documents by the Institute of Biochemistry and Biophysics PAS, 5A Pawińskiego Street, 02-106 Warsaw, for the purpose of carrying out the recruitment process.”

Closing date: November 15, 2026.

**We will only contact selected candidates, who will be invited for an interview (possibly on-line).
We strive for gender and diversity equality and welcome applications from all backgrounds.**

The competition may be extended until a candidate meeting all requirements is found.

- **The application should be sent via the recruitment platform:**

<https://system.erecruiter.pl/FormTemplates/RecruitmentForm.aspx?WebID=06d674e8afd9462cb994b530393aa47f>