



**Postdoctoral Position (CRISPRi screens, antibiotic resistance, microbiology, NGS )**

The Laboratory of DNA Segregation and Life Cycle of Proteobacteria at IBB PAS in Warsaw, Poland, invites applications for a postdoctoral position. The position is fully funded within the National Science Center SONATA-17 grant, entitled: „**CRISPRi-based screening for *Pseudomonas aeruginosa* vulnerabilities to antibiotics**” awarded to dr Adam Kawalek. The candidate will be involved in the development and execution of CRISPRi screenings in the bacterial pathogen *P. aeruginosa*. The project will involve techniques such as design and generation of CRISPRi libraries, qRT-PCR, phenotypic analyses, and analyses of next generation sequencing data. The candidate will participate in writing articles and grants, mentoring students and management of lab resources. This position does not include teaching. A short project description is available [here](#) (or in Polish [here](#)).

**Requirements:**

- PhD in the discipline of natural sciences or medicine (molecular biology, genetics, microbiology or related) obtained outside IBB PAS, not earlier than 7 years before starting year of the employment in the project (this period might be longer e.g. due to family reasons);
- scientific curiosity, creativity and problem solving skills, good communication skills in English;
- competence in designing and carrying out scientific experiments;

**Preferences (not required but being an asset):**

- practical knowledge of DNA cloning techniques;
- experience in techniques related to the project (bacterial genetics, work with *P. aeruginosa*, CRISPR(i), transposon mutagenesis and Tn-seq, antimicrobial resistance analysis, NGS data processing and analysis);

**Conditions of employment:**

- full-time employment for 18 months;
- gross salary of PLN ~7500/month and an additional 13<sup>th</sup> salary (non-standard tax deductible costs apply, details will be explained during the interview);
- starting date: April 2023 (or as soon as possible);
- IBB implements the [Welcome to IBB center](#) project, which aim is to support foreign scientific staff;

**How to apply:**

Applications (or informal inquires) should be sent to dr Adam Kawalek ([a.kawalek@ibb.waw.pl](mailto:a.kawalek@ibb.waw.pl)) in English or in Polish. Applications should contain the following documents in a single pdf file:

- scientific curriculum vitae, including a brief description of your main scientific achievements/research carried out, research methods you know/use, a list of publications and other relevant information;
- contact addresses of two referees (incl. at least one direct supervisor) and/or reference letters;
- a copy of PhD diploma or any other document which confirms PhD promotion; alternatively, information on the expected date of PhD promotion.

**Closing date: 10<sup>th</sup> of March 2023.** The evaluation process will start immediately upon receipt of the application and selected candidates will be invited for an interview. The competition might be extended until a candidate meeting the requirements is found.



# INSTITUTE OF BIOCHEMISTRY AND BIOPHYSICS

## POLISH ACADEMY OF SCIENCES

Please include the following statements in your application:” I hereby give consent for processing of my personal data included in the documents submitted for recruitment procedure to the Institute in accordance with the act of the European Parliament and of the Council (UE) 2016/679 of 27 April, 2016 on the protection of individuals with regard to the processing of personal data and on the free flow of such data and repealing Directive 95/46 /EC (General Data Protection Regulation). I declare that I have read the information clause on personal data processing available at <https://ibb.edu.pl/en/career/>. I declare that I agree to place information about the job competition winner on the IBB PAS website dedicated to job offers.”