

Call for a Post-doctoral position
funded by the National Science Center as part of the project „ Omics and
pathophysiological analyses of udder secretory tissue and blood leukocytes from dairy
goats with severe or mild CAE vs. SRLV-uninfected goats” no. 2025/59/B/NZ9/00800

The Institute of Genetics and Animal Biotechnology of the Polish Academy of Sciences has the HR Excellence in Research logo awarded by the European Commission to institutions which implement rules of the "European Charter for Researchers" and the "Code of Conduct for the Recruitment of Researchers".

Detailed requirements for candidates for the post-doc position:

1. Doctoral degree in animal, biological or related sciences.
2. Scientific achievements including original scientific works.
3. Experience in managing research projects funded by external sources or participation in their implementation; mentoring/supervising students or PhD candidates will be an asset.
4. Experience in laboratory work, including knowledge of basic molecular biology techniques (DNA, RNA, and protein isolation from tissues, PCR, RT-qPCR, ELISA tests); experience in conducting research in the field of epigenetics will be an advantage.
5. Fluency in spoken and written English.
6. Proficiency in Microsoft Office and experience with statistical software.
7. Knowledge of bioinformatics tools and functional analysis software will be an additional asset
8. Independence, reliability, high motivation in the implementation of research tasks, teamwork skills
9. Mobility (the workplace is located in Jastrzębiec - 25 km from Warsaw).
10. Driving license category B

We can offer:

1. Full-time employment.
2. Remuneration in accordance with the regulations of the National Science Center.
3. Modern laboratory infrastructure.
4. Friendly work atmosphere

Description of tasks:

Research hypothesis: During a severe course of caprine arthritis encephalitis (CAE), caused by small ruminant lentivirus (SRLV), both the systemic and local mammary gland responses are stronger than during a mild course of the disease. Gene expression in goats with a severe disease course (wasting syndrome) differs from that in healthy tissues or tissues from goats with a mild course of CAE. These differences in gene expression (mRNA, protein) result from the activity of miRNA and long non-coding RNA (lncRNA), which are modulated by SRLV. Furthermore, the viral load varies between goats with mild and severe courses of CAE. The severity of the disease is dependent on the viral genotype. Finally, SRLV influences gene methylation.

Research aims: To analyze genomic, transcriptomic, proteomic, and epigenomic phenomena in blood leukocytes/serum and mammary secretory tissue of SRLV-infected goats with an acute versus mild course of CAE.

This study serves as a continuation and expansion of previously conducted analyses that utilized exclusively asymptomatic animals in comparison to virus-free controls.

The doctoral student will carry out a doctoral project under the supervision of prof. Emilia Bagnicka as part of the NCN OPUS30 project.

The scope of work as a post-doc:

- planning and carrying out research related to the project, e.g. gene expression analysis, cell line experiments
- care for the doctoral student
- substantive involvement in the work performed
- preparation of partial reports and the final report
- statistical analysis of the obtained results
- preparation of data for the procurement of reagents, materials and small equipment for public tenders
- following the scientific literature related to the subject of the project
- preparation of publications

Conditions of employment:

Contract duration: **48 months**

Date of commencement of work: **October 2026**

Deadline for submitting applications: **07.09.2026**

Gross salary: **approx. 10 000 gross PLN/month**

Research will be conducted in the discipline of: **animal science and fisheries**

The application should contain:

1. CV containing information about previous research and scientific achievements to date (employment, publications, awards, research internships, organizational and didactic activities, participation in training and conferences).
2. Cover letter.
3. Diploma of obtaining the title of doctor (certified photocopy); obtained not earlier than 12 years before 1 January of the year of employment in the project (not including periods of maternity/parental /paternity and parental leave).
4. Contact details (e-mail address) to the previous supervisor and/or doctoral dissertation supervisor.
5. Please add the following clause: *"I consent to the processing of personal data contained in this document for the implementation of the recruitment process in accordance with the Act of May 10, 2018 on the protection of personal data (Journal of Laws of 2018, item 1000) and in*

accordance with the Regulation 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of individuals with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46 / EC (GDPR)."

According to the regulations of the National Science Center, during the period of receiving remuneration, selected candidates cannot receive any other remuneration from the funds allocated as direct costs from research projects financed under the NCN calls nor remuneration from another employer under an employment contract, including from an employer based outside the territory of the Republic of Poland.

Documents should be submitted in electronic form (pdf) till 07.09.2026 to the address application@igbzpan.pl in the subject of the e-mail, please write „OPUS30-E.Bagnicka”.

We reserve the right to contact only selected candidates who meet the requirements described in the competition announcement and who submit a set of documents listed in the announcement.

INFORMATION OBLIGATION

1. The administrator of personal data collected during the recruitment process is the Institute of Genetics and Animal Biotechnology of the Polish Academy of Sciences, entered into the register of institutes of the Polish Academy of Sciences (kept by the Polish Academy of Sciences) under the number RIN-V-32/98, NIP no. 1230018381, REGON no. 000326196, address: Jastrzębiec, ul. Postępu 36A, 05-552 Magdalena.
2. Personal data provided to the Administrator by the participants of the recruitment process will be processed in accordance with the provisions of the Regulation of the European Parliament and of the Council (EU) 2016/679 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 data, and repealing Directive 95/46/EC (General Data Protection Regulation) (OJ.EU.L. of 2016 No. 119/1, hereinafter referred to as "GDPR").
3. According to art. 5, 6, 7 and 13 of GDPR, the Administrator informs that:
 - a. Personal data provided by the participant of the recruitment process will be processed on the basis of art. 6 par. 1 letter a) of GDPR, i.e. on the basis of their consent and pursuant to art. 22¹ of the act of 26 June 1974 Labour Code (Journal of Laws 2018.917).
 - b. The following personal data are processed during the recruitment process: first name(s) and surname, image, names of parents, date of birth, place of residence (correspondence address), education, other personal details of the employee, including names and surnames and dates of birth of the employee's children if such data is necessary for the employee's use of special rights provided for in the labour law, the employee's PESEL number assigned by the Government Information Center of the Universal Electronic System for Registration of the Population (RCI PESEL), telephone number and e-mail address.
 - c. The person involved in the recruitment process has the right to request access to personal data, correct or remove it, as well as limit its processing, oppose to data processing, the right to transfer data and the right to submit a complaint to the supervisory body.
 - d. The person participating in the recruitment process has the right to withdraw consent to the processing of data at any time, which does not affect the legality of the processing which had been carried out on the basis of consent granted before its withdrawal.
 - e. Providing personal data by a person participating in the recruitment process is voluntary, however, the failure to provide it may prevent this process from being carried out.
4. In all matters related to the processing of personal data of persons participating in the recruitment process, please contact the Institute in writing at the following address: daneosobowe@igbzpan.pl.