

CALL No. 1/2026/T
FOR THE POSITION OF SENIOR SPECIALIST F/M

INSTITUTION: Institute of Bioorganic Chemistry, PAS
CITY: Poznań
POSITION F/M: Senior Area expert
POSITIONS AVAILABLE: 2
SCIENTIFIC DISCIPLINE: biology
PUBLICATION DATE: 17.03.2026
APPLICATION DEADLINE: 16.04.2026
IBCH PAS WEBSITE: <http://www.ibch.poznan.pl/en>

KEYWORDS: human genomics, whole genome sequencing (WGS), next-generation sequencing (NGS), population genomics, bioinformatics, big data analysis, genomic databases

I Job description

This recruitment is conducted as part of the implementation of the G4PL – Genomics for Poland (FENG.02.04-IP.04-0007/25-00), co-funded under the European Funds for Smart Economy 2021-2027 (FENG), Action 2.4 Smart Economy Research Infrastructure. The goal of the project is to build a nationwide infrastructure for genomic research, including a network of laboratories conducting research and providing services in the field of genome sequencing, new data analysis tools, and a central genomic data repository. Within the project's framework, it is also planned to obtain and sequence new DNA sample collections from residents of Poland, including patients with rare diseases (a total of 6-7 thousand samples).

The project is implemented by a consortium of 12 entities, with the Institute of Bioorganic Chemistry of the Polish Academy of Sciences (PAS) in Poznań acting as the leader. The principal investigator is dr. hab. Luiza Handschuh, prof. IBCH PAS. More information can be found on the project's website: <https://genomikadlapolski.pl/>."

We are seeking an ambitious individual to join the Laboratory of Genomics IBCH PAS and engage in the work of the G4PL project team, related to the analysis of genomic data collected within the G4PL project and other data at the disposal of IBCH PAS. The main tasks in this area of the project involve: processing data from next-generation sequencing (mainly the Illumina platform), third-generation sequencing (long reads, PacBio, Nanopore platforms), and optical genome mapping. An individual will also be involved in work related to the development of data analysis software and databases. We expect a creative contribution to the implementation of project tasks, supported by ongoing literature monitoring, review of available methods and IT tools, and the use of external databases. It is essential to maintain detailed documentation of the analysis process and the results, and to prepare it for reports and publications.

II Job responsibilities

1. NGS data analysis, from raw data processing to complex integrative analyses, including short-read (mainly Illumina) and long-read (various technologies) sequencing data analysis.
2. Integration of data acquired through various technologies.
3. Data analysis using population genomics methods.
4. Development of tools and databases.
5. Implementing skills acquired during training into ongoing project tasks.
6. Visualization and interpretation of the results of performed analyses.
7. Active participation in project meetings.
8. Participation in the preparation of reports, result presentations, and publications.

III Job requirements

1. PhD degree in biological sciences, biotechnology, computer science, medical sciences, or related fields.
2. Experience in bioinformatics, genetics, and genomics, documented by publications.
3. Experience in working with large datasets.
4. Experience in next-generation sequencing (NGS) data analysis.
5. Recommended knowledge of machine virtualization/containerization platforms and the ability to run tasks using the SLURM queuing system.
6. Proficiency in basic programming languages (Python, R, Bash scripting).
7. Knowledge of tools for genetic variant analysis.
8. Knowledge of statistics (statistical tests in biology and genetics, multivariate analyses).
9. Knowledge of methods used in population genomics (including PCA, Admixture/Structure, GWAS, Linkage Disequilibrium (LD), Identity By Descent (IBD), F_{ST} statistics) will be an additional asset.
10. Ability to maintain detailed and reliable documentation of the work process (scripts, reports, preparation and visualization of results for publication).
11. Proficiency in English at a level enabling effective communication in an international team, analysis of scientific literature, and preparation of publications and reports.
12. Ability to work independently, manage multiple tasks simultaneously, and contribute to collaborative projects.

IV Required documents

1. Application letter addressed to the Director of IBCH PAS.
2. Scientific CV, including a list of publications, completed internships and research placements, participation in conferences, and any awards or distinctions received.
3. Motivation letter.
4. Copy of the diploma confirming the awarded academic degree.
5. Certificates or other documents confirming proficiency in English (if available).

V Application submission process

Applications should be submitted via the eRecruiter portal at

<https://system.erecruiter.pl/FormTemplates/RecruitmentForm.aspx?WebID=a5d0f19f99994fc39acf337be03e35a7>



VI Deadlines

1. The deadline for submitting the application is 16.04.2026.
2. The recruitment procedure shall be concluded no later than by 30.04.2026.

VII Employment conditions

1. Employment will be conducted pursuant to the provisions of the Labor Code of Poland.
2. FTE: 1,0
3. Salary of 15,000 PLN (total employment cost, including seniority allowance).
4. Employment contract for a 3-month probationary period, with the possibility of extension (up to Nov 2029 at the latest).
5. Possible starting date: May 1st, 2026.

VIII Selection criteria

1. Education, completed courses and training, and their relevance to the scope of work within the project.
2. Technical competencies, experience, and alignment of knowledge with the position and project requirements.
3. Communication skills and proficiency in English at a level necessary for effective project execution.

Recruitment is carried out in accordance with the principles of equal opportunity and non-discrimination. The process is standardized to ensure an objective evaluation of candidates and minimize the risk of bias.

For additional information, please contact:

dr hab. Luiza Handschuh, prof. ICHB PAN (luizahan@ibch.poznan.pl)

dr inż. Małgorzata Marcinkowska-Swojak, (marcinkm@ibch.poznan.pl)

Information clause

Pursuant to the stipulations of the 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 data, and repealing Directive 95/46/EC (General Data Protection Regulation), further referred to as GDPR, we hereby inform that:

1. The Institute of Bioorganic Chemistry, Polish Academy of Sciences, seated in Noskowskiego St. 12/14, 61-704 Poznań; REGON 000849327, NIP 777-00-02-062 is the administrator of the collected personal data (further referred to as the Institute).
2. The Administrator appointed a Data Protection Officer, who can be contacted in writing, via traditional mail, by sending a letter to the following address: Z. Noskowskiego St. 12/14, 61-704 Poznań, or by sending an e-mail to: dpo@ibch.poznan.pl.
3. The personal data of the candidates is processed for the purposes of fulfilling the tasks of the administrator, associated with conducting the recruitment procedure for a vacant position.
4. The legal basis for processing personal data is the Act of 26 June 1974 – The Labor Code, Act of 30 April 2010 on the Polish Academy of Sciences or the consent of the person whose data shall be subjected to processing.
5. Your personal data shall be subjected to processing for period of 3 months upon the date of decision of the recruitment committee. Following this period, the data will be irretrievably and effectively destroyed.
6. The personal data of the candidates shall not be transferred to any third country.
7. The person whose data shall be subjected to processing has the right to:
 - a. request access to his/her personal data, and to amend it or delete it, pursuant to articles 15-17 of GDPR;



- b. limit data processing, in the events stipulated in article 18 of GDPR;
- c. data transferring, pursuant to article 20 of GDPR;
- d. withdraw consent at any moment, without influencing compliance with the law of the processing that was executed prior to consent withdrawal;
- e. file a complaint to the Inspector General for Personal Data Protection.

Providing personal data in the scope stipulated in article 22 (1) of the Act of 26 June 1974 – The Labor Code is mandatory, whereas providing data in a broader scope is voluntary and requires consent for its processing

Protection for whistleblowers

In the case of reporting violations using a dedicated system for whistleblowers, the reporting person's data will be processed in accordance with applicable provisions on the protection of personal data, including the above-mentioned Regulation (EU 2016/679 of 27 April 2016). We ensure confidentiality and protection of the identity of reporting persons, and that their data will not be disclosed without their consent, unless the law provides otherwise.

Detailed rules regarding the protection of personal data and procedures for reporting violations of the law can be found in our Regulations on internal reporting at the Institute of Bioorganic Chemistry, Polish Academy of Sciences, available at the link: <https://portal.ichb.pl/wp-content/uploads/2024/10/INTERNALREPORTINGREGULATIONS.pdf>

