

**Recruitment for the Poznań Doctoral School of the Institutes of the Polish Academy of Sciences
at the Institute of Bioorganic Chemistry, PAS in Poznań
Procedure no. 24/2024/ICHB/PSD**

INSTITUTION: Institute of Bioorganic Chemistry, PAS
CITY: Poznań
POSITION: PhD student
POSITIONS AVAILABLE: 1
SCIENTIFIC DISCIPLINE: biological sciences
PUBLICATION DATE: 23.12.2024
APPLICATION DEADLINE: 23.01.2025
IBCH PAS WEBSITE: <https://portal.ichb.pl/homepage/>
PDS IPAS WEBSITE: <https://psd-ipan.ichb.pl/index.php/en/home/>

KEY WORDS: genomics, archaeogenomics, ancient DNA, molecular biology, next-generation sequencing

Principal Investigator: prof. dr hab. Marek Figlerowicz
Research topic: Research on the genetic structure of the Polish and Czech populations in the period of formation of early state structures in the 9th-11th centuries.

I. Project description

The main objective of this project is to investigate the mechanisms underlying early state formation processes in Central and Eastern Europe and to explore the relationships between populations involved in establishing these emerging political structures. The phenomena in question will be studied comparatively using the examples of early Polish statehood (centered in Greater Poland, with key power hubs such as Poznań and Gniezno) and early Czech statehood (developed in the Czech Basin with power concentrated in a small area of Central Bohemia).

In both cases, these societies, during the transition from tribal to early state organizations, exhibited a relatively simple, two-tiered structure: an elite group associated with the ruling dynasty and a general population living outside the centers of power, primarily engaged in agriculture or livestock breeding. Identifying the origins of both the elites and the broader population in these early states is made possible through genetic and genomic research. By integrating these findings with historical, archaeological, and linguistic evidence, the project aims to answer key questions about the socio-political processes shaping Central and Eastern Europe around the turn of the first and second millennium AD.

Additional information:

1. Research and doctoral theses shall be carried out within the 2023/51/I/NZ8/02946 NCN project entitled "At the dawn of Central European statehood on the example of the Czech and Poland. Dynasties-elites-societies (late 9th- 11th century)", funded by National Science Centre
2. PhD students shall receive a stipend in the gross amount of ca 4300 PLN (3800 PLN net), for the period of 36 months with possible extension
3. PhD students shall be subject to social insurance, pursuant to article. 6 section 1 passage 7b of the act of October 13th, 1998 on the social insurance system (Journal of Laws of 2019, item 300, 303 and 730).

II. Requirements for the candidates:

The candidate should have:

1. Master's degree in biology or a related field, or meet the conditions specified in Article 186, Section 2 of the Act of 20 July 2018 - *The Law on Higher Education and Science* (Journal of Laws of 2018, item 1668, as amended).
2. knowledge of genetics, molecular biology, next-generation sequencing, and basic issues related to the project's research subject.
3. experience in laboratory work involving molecular biology techniques (experience in preparing material for next-generation sequencing and/or bioinformatics and/or genomic research will be an advantage).
4. good command of English, enabling effective communication, reading, and preparation of scientific papers.
5. high motivation for further development, be characterized by independence, strong organizational skills, effective communication, and the ability to work in a team.

III. Duties in project:

1. Active involvement in the implementation of the project, including planning and conducting experiments, as well as developing and interpreting results, particularly: (i) conducting experiments in the ancient DNA laboratory (isolating aDNA and preparing libraries for NGS sequencing), (ii) conducting experiments in the modern DNA laboratory (enriching aDNA libraries and preparing material for sequencing), (iii) performing preliminary and advanced analyses of NGS data.
2. Continuous expansion of knowledge in areas relevant to the project.
3. Participation in the scientific publications preparation.
4. Presentation of results at seminars, scientific meetings, and conferences.

IV. Required documents:

1. Application for admission to PDS IPAS along with the consent for processing personal data upon the recruitment procedure and a statement on having acknowledged the regulations of recruitment for PDS IPAS, using form downloaded from:
https://psd-ipan.ichb.pl/wp-content/uploads/2023/05/ICHBApplication_for_admission_10_05_23.docx
2. Certified copy of the diploma confirming graduation or a certificate confirming graduation (in the case of diplomas issued by foreign higher education schools, diploma stipulated in article 326, section 2, passage 2 or article 327, passage 2 of the act of July 20th, 2018 – Law on Higher Education and Science (Journal of Laws of 2018, item 1668, as amended), entitling to apply for conferment of a doctoral degree in the state in where such a certificate was issued by the relevant higher education school. In the event when the candidate is not in possession of the aforementioned documents, he/she is obliged to submit them prior to admission to PDS IPAS. Additional information on foreign school diplomas are available at:
<https://nawa.gov.pl/en/recognition/recognition-for-academic-purposes/applying-for-admission-to-doctoral-studies>
3. Scientific CV encompassing track record of previous education and employment, information on involvement in scientific activities (participation in student research groups, attendance at scientific conferences, accomplished internships and training, awarded prizes and distinction) and list of publications.
4. Cover letter featuring a short description of research interests, achievements and justification for the intention to commence education at the doctoral school.
5. Certificates or other documents confirming the degree of proficiency in English, if the candidate is in possession of such materials.
6. Contact details of at least one, previous scientific supervisor or another researcher who is entitled to issue an opinion on the candidate.

V. Applications should be submitted via the eRecruiter portal at

<https://system.erecruiter.pl/FormTemplates/RecruitmentForm.aspx?WebID=06fdaa8ad51a445a9a776f8c463d39c0>

VI. Submission deadline is **23.01.2025**.

VII. Criteria for evaluation of candidates:

1. Candidate's research achievements, pursuant to the grades obtained in the course of studies, scientific publications, awarded scholarships and distinctions resulting from conducting scientific research or student activities or other achievements.
2. Candidate's scientific and professional experience, pursuant to participation in conferences, workshops, training sessions and internships, implementation of research and commercial projects, involvement in scientific trusts and societies, international and professional mobility, experience in other sectors, including industry.
3. Candidate's knowledge on the following discipline: biological sciences.
4. Knowledge of the subject matter described in the recruitment advertisement.

VIII. The recruitment procedure shall be concluded no later than **23.02.2025**

IX. The description of the recruitment process is stipulated in the Regulations of Recruitment for PDS IPAS. Following the recruitment procedure, the unadmitted candidates shall be informed on the number of points obtained at both stages. Incomplete applications will not be considered.

For additional information please contact the Principal Investigator:

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or

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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 Poznan; 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 Poznan, 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:*
 - *request access to his/her personal data, and to amend it or delete it, pursuant to articles 15-17 of GDPR;*
 - *limit data processing, in the events stipulated in article 18 of GDPR;*
 - *data transferring, pursuant to article 20 of GDPR;*

- *withdraw consent at any moment, without influencing compliance with the law of the processing that was executed prior to consent withdrawal;*
- *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>