



CeNT-47-2025

Director of Centre of New Technologies of the University of Warsaw, with the Project Leader, announce opening of the competition for the position of PhD Student in the Laboratory of Paleogenetics and Conservation Genetics – Centre of New Technologies of the University of Warsaw.

JOB OFFER

Position in the project:	PhD Student
Laboratory:	Laboratory of Paleogenetics and Conservation Genetics
Scientific discipline:	Biological Sciences, Archaeology
Keywords:	Ancient DNA, archaeogenomics, population genetics, Iron Age, Goths, Wielbark culture
Job type (employment contract/stipend):	stipend
Number of job offers:	1
Remuneration/stipend amount/month:	Up to 5000 PLN/month gross gross (~3750 PLN/month net) for the first 24 months and up to 6500 PLN/month gross gross (~ 4900 PLN/month net for the following 12 months after the mid-term evaluation. The successful Candidate may additionally apply for a scholarship from the Doctoral School of Exact and Natural Sciences of the University of Warsaw, if granted, increasing the overall stipend to ~7000 PLN/month net; https://en.uw.edu.pl/doctoral-schools-admissions)
Position starts on:	February 2026
Maximum period of contract/stipend agreement:	36 months with the possibility of extension for another 12 months.
Institution:	Centre of New Technologies, University of Warsaw
Project leader:	Dr Martyna Molak-Tomsia
Project title:	All roads lead to... Maślomęcz. The cosmopolitanism and uniqueness of the Goth community of the late Roman Period Hrubieszów Basin in the light of fine-scale multidisciplinary analysis.
NCN programme:	OPUS 28
Project description:	The main aim of the project is to supplement archaeological knowledge about the Maślomęcz Group (an archaeological culture representing the Gothic peoples) with genomic data obtained from the anthropological material associated with the group. As a result of the proposed project we expect to provide: 1) the position the Maślomęcz group on the genetic map of Eurasia by determining their affinities to other earlier and contemporary groups, 2) give insight into the pattern of locating graves of different family members within and between burial grounds, 3) investigate the kin relatedness between persons and/or dismembered skeletal fragments buried together, 4) test the localness of the individuals' provenance, particularly the ones exhibiting burial practices atypical for Goths or grave goods typical of other cultures and infer where they migrated from, or whether in fact they were local people who had adopted some external customs, 5)



	determine connectivity level between particular subgroups utilizing different cemeteries as well as isolated graves; to name just a few. With the very high planned sampling density, we also predict to be able to reconstruct family trees, of at least a part of the community members.
Key responsibilities include:	- Extracting DNA from ancient anthropological material. - Preparing DNA sequencing libraries for sequencing on an Illumina platform. - Analysis of sequencing data, including population genomic analyses. - Active contribution to preparing data for scientific publications.
Profile of candidates/requirements:	The competition is open for persons who meet the conditions specified in the regulations on the allocation of resources for the implementation of tasks financed by the National Science Centre for OPUS 28 grant¹. - MSc degree in biology, archaeology or related discipline. The MSc degree should be obtained before the date of employment in the project. Other requirements: - Basic knowledge of molecular and population genetics, and/or bioarchaeology. - Ability to work in a group, curiosity, and motivation to learn. - Willingness to work in an interdisciplinary and international team. - Fluency in written and spoken English. Additionally appreciated: - Experience in work with ancient DNA. - Experience in high-throughput sequencing on Illumina platforms (i.e. DNA library preparations). - Knowledge of Linux operating system, - Familiarity with R or python programming language. - Familiarity with bioinformatic analyses of raw high-throughput DNA sequencing data and genomic analyses are highly valued.
Required documents:	1. Cover letter 2. Current curriculum vitae 3. Copy of MSc certificate (or, if the MSc certificate has not been obtained yet, a certificate/document about the date of MSc defense); 4. Document confirming the status of PhD Student (to be provided before starting work in the project); 5. Signed information on the personal data processing. Before entering the competition, candidates are obliged to familiarise themselves with Internal Reporting Procedure.
We offer:	- work in a friendly and motivating working environment - participation in an exciting research project using the state-of-the-art research techniques - participation in scientific courses and conferences funded by the project - access to fully equipped ancient and modern DNA laboratories
Please submit the following documents to:	e-mail: m.molak@cent.uw.edu.pl
Application deadline:	11.12.2025 Selected candidates will be invited for an interview in person at the Centre for New Technologies, University of Warsaw, or online. The interviews will be held between 15 and 17.12.2025. Candidate selection will be carried out in accordance with the regulations of the National Science Centre.
Date of announcing the results:	21.12.2025
Method of notification about the results:	e-mail, CeNT UW website

¹ Annex to NCN Council Resolution No 25/2024 of 4 March 2024