

Medical University of Gdańsk

is seeking a candidate for the position of

Junior Bioinformatics Specialist (f/m)

as part of the project entitled "Toward tumor-agnostic multiomic biomarkers in early detection of non-small lung cancer relapse". The project is funded by the Medical Research Agency under the TRANSMED I programme.

RESPONSIBILITIES:

- analysing Oxford Nanopore sequencing data, including DNA methylation patterns and fragment length distributions,
- developing predictive models using machine learning methods to detect tumour-derived ctDNA based on epigenomic and fragmentomic features,
- designing and implementing classification algorithms based on regulatory region activity and nucleosome positioning,
- writing clean, documented and reproducible code,
- performing preliminary analysis and interpretation of sequencing data,
- working closely with clinical and molecular biology teams on data interpretation and clinical validation,
- maintaining research documentation and preparing materials for scientific publications and patent applications,
- presenting research results at project team meetings, scientific seminars, national and international conferences, and other scientific events.

REQUIREMENTS:

- a bachelor's degree, engineering degree or master's degree in bioinformatics, mathematics, biology, biotechnology or a related field,
- experience working with Python and R and applying machine learning methods,
- experience in image data analysis and its integration with molecular data would be an advantage,
- knowledge of bioinformatic analysis of genome-wide data would be an additional asset,
- the ability to plan, conduct and document scientific experiments,
- fluency in spoken and written English.

WE OFFER:

- a full-time fixed-term employment contract,
- **number of positions: 2,**
- the opportunity to work at Poland's leading medical university, which holds the status of a research university,
- opportunities to develop skills and competencies relevant to the position,
- an attractive employee benefits package.

HOW TO APPLY:

- Interested candidates are requested to submit their application (CV) and cover letter using the [APPLY](#) button.
- The application deadline is **31.08.2026**.
- Applications submitted after the application deadline but before the advertisement closes may still be considered in the recruitment process.
- Please note that only shortlisted candidates will be contacted.