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Date: 03.06.2024

The University of Ljubljana, **Faculty of Medicine**, announces a **vacancy**:

1. The advertised position:

PhD Assistant within the project "Genomic Data Infrastructure" at the Institute of Biochemistry and Molecular Genetics of the UL Faculty of Medicine, full-time, until October 30th, 2026.

2. Prerequisites for practicing the profession:

- Doctor of Science (former) or Doctor of Science (3rd Bologna level) in the field of biomedicine or other natural or social sciences
- valid habilitation title of research assistant or assistant (if the employee does not yet have a valid title, he/she must fulfill this requirement within four months of starting work)
- ability to innovate, ability to work in a team, communication skills, organizational skills, knowledge of computer programs, knowledge of a world language
- knowledge in the field of database development, bioinformatics, genomic data analysis, statistics (biostatistics) and/or high-performance computing.
- good theoretical and practical knowledge of programming (Python, R), the use of software packages (conda, anaconda) and the use and configuration of Linux operating systems (bash, sh)
- knowledge and configuration of bioinformatics tools (Galaxy, Nextflow, snakemake), advanced algorithms and knowledge of databases (Ensembl, NCBI,...)
- 1 year of relevant work experience

3. Brief description of the work and tasks:

- scientific research work and professional work in research
- professional cooperation with clients of research tasks
- preparation of written reports and expert opinions on research and expertise
- participation in study programs for students and postgraduates
- preparing proposals for the purchase of research equipment, maintaining equipment and ordering consumables
- carrying out tasks in own area of expertise as directed by the head of the organizational unit and other tasks that fall within the broader professional scope of the position

More detailed description:

- develop and implement tools and algorithms for processing and analyzing genomes obtained from next and third generation sequencers

- analyzing high density data using high performance computing (HPC)
- collaborating on research projects and thereby solving some of the most pressing scientific and research problems in human genomics and systems medicine
- presenting scientific research at conferences and in publications.

4. Application deadline: 16 days, 5.6.2024 to 21.6.2024.

Applications with proof that the conditions of the call for applications with CV and motivation letter, will be accepted by the Secretariat of the Faculty of Medicine, Vrazov trg 2, 1000 Ljubljana or glavna.pisarna@mf.uni-lj.si. When applying, applicants should quote the registration number PDM-1: PH14354 . Contact: Prof. Dr. Damjana Rozman, 01/543-7591.

5. Place of publication: Employment Agency of the Republic of Slovenia, UL.

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