



No. 11327/28.04.2026

COMPETITION NOTICE

FOR FILLING THE POSITIONS OF

Doctoral Student – 1 position (P1.22) - Doctoral Researcher for Translational Research and Data Analysis (part-time max. 84 hours/month, duration 1 month)

Postdoctoral Researcher – 8 positions (P1.25 – P1.32) - Postdoctoral Researcher for Translational Research and Data Analysis (part-time max. 84 hours/month for each position, duration 1 month)

Research Technician – 1 position – Research Technician responsible for configuring and administering the computing server, NAS storage system and workstations for multi-omics data analysis (part-time, max. 45 hours/month, duration 1 month)

WITHIN THE FRAMEWORK OF THE PROJECT PNRR2023,,SysSclero – Systems immunology for systemic sclerosis (SSc): assessment of innate immune memory and immune aging as basis for individualised prevention and treatment modalities in SSc, implemented on the basis of Funding Contract 760236 / 28.12.2023

The University of Medicine and Pharmacy "Iuliu Hațieganu" Cluj Napoca organizes:

- on the basis of Justificatory note no. 28006/04.11.2024 approved by the university leadership, regarding the tendering of positions outside the organization chart, within project „SysSclero – Systems immunology for systemic sclerosis (SSc): assessment of innate immune memory and immune aging as basis for individualised prevention and treatment modalities in SSc, *updated by* Justificatory note no. 434/12.01.2026 and 11132/27.04.2026

- on the basis of Ministerial Order No. 3498 of 06.03.2025 for the approval of the Operational Procedure regarding the recruitment and selection of personnel, employed in positions outside the organizational chart, within projects financed from non-reimbursable external funds or from funds related to the Recovery and Resilience Mechanism, Code: PLP 21, Edition 1, Revision 3, at the "Iuliu Hațieganu" University of Medicine and Pharmacy in Cluj-Napoca.

The competition will be held as follows:

- submission of competition files: 04.05.2026 – 12.05.2026, until 15:30
- selection of competition files and the results of the file selection will be published on 13.05.2026
- submission of Appeals regarding the results of file selection: 14.05.2026
- interview: 15.05.2026, location Medical Genetics Department, Pasteur street, no 6, ground floor, University of Medicine and Pharmacy "Iuliu Hațieganu" Cluj-Napoca, time: 9:00
- the interview results will be published on 15.05.2026
- submission and resolution of appeals regarding the interview stage: 18.05.2026
- final results: 19.05.2026

General conditions necessary for filling the positions:

- the candidate has Romanian citizenship or other EU member states or states belonging to the European Economic Area or the right to work on the territory of Romania;
- knows the Romanian language, writing and speaking;
- has a state of health corresponding to the position for which he is applying;
- fulfills study conditions and, depending on the case, seniority or other job-specific requirements;
- has not been convicted of criminal offence.

1. Doctoral Student – 1 position (P1.22) - Doctoral Researcher for Translational Research and Data Analysis (part-time 84 hours/month, duration 1 month)

Graduate of long-term higher education studies, holding a bachelor's degree and diploma in a biomedical field (biology, chemistry, biotechnology, medicine, biomedical sciences, etc.)

PhD candidate with a doctoral thesis focused on genomics.

Previous experience in researching genetic mechanisms and factors involved in autoimmune and autoinflammatory diseases is considered an advantage.

Project Activities:

1. Participate in translational research activities within the project, with a focus on generating and analyzing large-scale datasets produced during the project.
2. Ensure proper documentation and tracking of biological samples received in the laboratory.
3. Perform functional studies investigating inflammatory effects in primary cells, including cell culture, ELISA, and related techniques.
4. Conduct nucleic acid analyses: DNA and RNA purification and quantification, amplification, quantitative PCR, sequencing, microarray analysis.
5. Perform statistical analysis of the experimental data obtained.
6. Stay informed about current research in the field, read scientific literature, formulate working hypotheses, and draw conclusions relevant to the research.
7. Collaborate with team members in disseminating results and promoting the project.
8. Participate in project-related work meetings.
9. Contribute to drafting technical specifications for the procurement of fixed assets, consumables, and reagents required for research activities.
10. Contribute to transferring personal expertise to other members of the project team.
11. Prepare laboratory notebooks documenting daily activities and periodic work reports detailing research progress and outcomes.

Duration of contract: 1 month

Maximum number of hours/ month: 84 hours

2. Postdoctoral Researcher – 8 positions (P1.25 – P1.32) - Postdoctoral Researcher for Translational Research and Data Analysis (part-time max. 84 hours/month for each position, duration 1 month)

Graduate of long-term higher education studies, holding a bachelor's degree and diploma in a biomedical field (biology, chemistry, biotechnology, medicine, biomedical sciences) and/or in quantitative disciplines such as mathematics, computer science, data science, bioinformatics, or related areas. Completed PhD thesis in a biomedical field or in relevant interdisciplinary areas (bioinformatics, biostatistics, data analysis, mathematical modeling, computational life sciences).

At least 2 ISI-indexed publications in fields related to the project: genetics, epigenetics, inflammation, metabolic pathology, autoinflammatory pathology, autoimmunity, arthritis, computational analysis,

mathematical modeling, applied algorithms, machine learning in biology, with at least 1 publication as first author.

Previous experience in researching genetic mechanisms and factors involved in autoimmune and autoinflammatory diseases and/or in developing and applying computational methods for omics data analysis is considered an advantage.

Project Activities:

1. Participate in translational research activities within the project, with a focus on generating and analyzing large-scale datasets produced during the project.
2. Ensure proper documentation and tracking of biological samples received in the laboratory.
3. Conduct functional studies investigating inflammatory effects in primary cells: cell cultures, ELISA, etc.
4. Perform nucleic acid analyses: DNA and RNA purification and quantification, amplification, quantitative PCR, sequencing, microarray analysis.
5. Conduct statistical analysis of the experimental data obtained.
6. Stay informed about current research in the field, read scientific literature, formulate working hypotheses, and draw conclusions relevant to the research.
7. Collaborate with team members in disseminating results and promoting the project.
8. Participate in project-related work meetings.
9. Contribute to drafting technical specifications for the procurement of fixed assets, consumables, and reagents required for research activities.
10. Contribute to transferring personal expertise to other members of the project team.
11. Prepare laboratory notebooks documenting daily activities and periodic work reports detailing research progress and outcomes.

3. Research Technician – 1 position – Research Technician responsible for configuring and administering the computing server, NAS storage system and workstations for multi-omics data analysis (part-time, max. 45 hours/month, duration 1months)

Graduate of higher education studies in computer science, computer engineering, automation, cybernetics, telecommunications or other relevant technical/IT fields.

Solid knowledge of Linux server operating systems and Windows administration, network configuration, virtualization, NAS/SAN storage systems, and information security.

Previous experience in configuring and administering IT infrastructure for the analysis of scientific data (genomic, transcriptomic, proteomic, metabolomic) is considered an advantage.

Knowledge of bioinformatics tools, scripting (bash, Python), version control systems (git), software package management (conda/mamba, environment modules) and computing cluster administration (SLURM, PBS) is considered an advantage.

Project Activities:

1. Configure, install and administer the computing server dedicated to the project (operating system, partitioning, user management, remote access, hardware and software monitoring).
2. Configure and administer the NAS storage system for multi-omics data generated within the project (RAID configuration, partitions, shares, storage quotas, access policies, integration with the computing server).

3. Configure and maintain the workstations used for multi-omics data analysis (operating system installation, drivers, analysis software, integration with the project server and NAS).
4. Ensure the regular execution and verification of backups of project data and implement the information security measures necessary to protect the data.
5. Install, update and maintain the software packages required for multi-omics data analysis (bioinformatics tools, computing environments, libraries, containers).
6. Provide technical support to the research team members in the use of the server, NAS and workstations, including troubleshooting of routine issues.
7. Prepare technical documentation regarding the configuration, administration and use of the project IT infrastructure.
8. Participate in project-related work meetings.
9. Contribute to drafting technical specifications for the procurement of IT equipment, software and consumables required for research activities.
10. Contribute to transferring personal expertise to other members of the project team.
11. Prepare periodic work reports detailing the activities performed and the progress achieved.

Duration of contract: 1 months

Maximum number of hours/ month: 45 hours

In order to participate in the competition, candidates will submit their application files by 12.05.2026, under 15:30, at the Human Resources Directorate, Victor Babes str , no 8, floor 2, office 209, contact person Nistor Chilat Alina Lavinia.

Application File Contents

- a) **Application Form:** A completed application form (available as an attachment to the recruitment announcement) indicating the specific position you are applying for.
- b) **Curriculum Vitae (CV):** An updated and signed on every page CV in Europass format, clearly stating the project and position you are applying for.
- c) **Identity Document Copies:** Certified copies of your identity document or any other legally recognized identification document. The authenticity of the copies will be verified by the commission secretary upon presentation of the original documents.
- d) **Educational Document Copies:** Certified copies of your educational documents, including diplomas, certificates, and transcripts. The authenticity of the copies will be verified by the commission secretary upon presentation of the original documents.
- e) **Specialization Certificates Copies:** Original certificates or diplomas that attest to any completed specializations. The originals are required for verification purposes. For students: A certificate of enrollment; For doctoral students: A certificate from the Doctoral School; For postdoctoral researchers: A doctoral degree certificate.
- f) **Professional Experience Documentation (Copies):** Documentation that verifies your work experience and/or relevant academic background, including employment certificates, contracts, job descriptions, recommendations, etc. The authenticity of the copies will be verified by the commission secretary upon presentation of the original documents.
- g) **Criminal Record Check or Declaration:** A criminal record check or a self-declaration stating that you have no criminal record that would make you ineligible for the position. The elected candidate will be required to submit an official criminal record check within 10 working days of the final recruitment and selection results being published.
- h) **Medical Certificate:** A medical certificate issued within the last 6 months prior to the recruitment and selection process, attesting to your good health. The certificate can be obtained from your family doctor or from an authorized medical facility.

- i) **Availability Declaration:** A declaration stating your availability in terms of hours per day and per month for the project.
- j) **Data Processing Agreement:** A signed agreement consenting to the processing, storage, and use of your personal data.

Recruitment and Selection Process Timeline

The competition will consist of 2 stages as follows:

- **First Step:** Verification of the eligibility of applications submitted by candidates. All CVs received and other documents submitted will be analysed using the Recruitment and Selection Grid.

The Selection Committee will post the result of the evaluation of the applications and the scheduling of the interview on the website www.umfcluj.ro on 13.05.2026 with the mention "admitted" or "rejected" on the website www.umfcluj.ro.

- **Second Step:** Interview.

Verification of candidates' knowledge and/or skills will be carried out through individual interviews. The interview will be on 15.05.2026, conducted according to the interview schedule drawn up by the Recruitment and Selection Committee on the day of the interview based on the assessment criteria. The maximum possible mark awarded to a candidate will be 100 points and the minimum admissible mark will be 60 points.

The results of the candidates at the interview stage will be the arithmetic average of the marks awarded by the members of the committee and will be published on the website www.umfcluj.ro on 15.05.2026.

Resolution of appeals:

Possible appeals shall be submitted within a maximum of one working day from the publication of the results at the file selection and/or the interview, except in cases where mandatory rest days (Saturday and Sunday) or legal holidays intervene, in which case the term shall be extended until the first working day following the publication. The appeals shall be resolved by the Appeals Resolution Commission and displayed on the website www.umfcluj.ro on 14.05.2026 for the selection of files, and on 18.05.2026 for the interview test.

The score awarded after the appeals remains final.

The final result will be displayed on the website www.umfcluj.ro, on 19.05.2026