

**DEPARTAMENTUL DE CERCETARE,  
DEZVOLTARE ȘI INOVARE**

400349 Cluj-Napoca, România  
str. Louis Pasteur nr. 4, et. 3  
Tel: +40-374-834195; +40-374-834194  
+40-374-834148  
Fax: +40-264-597257  
E-mail: [depctdi@umfcluj.ro](mailto:depctdi@umfcluj.ro)  
[www.umfcluj.ro](http://www.umfcluj.ro)



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**MINUTES ON THE SELECTION OF FILES  
No. 12724/13.05.2026**

At the competition for 5 positions:

**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)**

positions outside the organizational chart, within the project " 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 based on the Funding Contract 760236 / 28.12.2023,

- 1 candidate was registered for position:

**1. Doctoral Student – 1 position (P1.22) - Doctoral Researcher for Translational Research and Data Analysis (part-time max. 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.

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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.

Prepare laboratory notebooks documenting daily activities and periodic work reports detailing research progress and outcomes

- 1 candidate was registered for positions:

**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.

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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.

- No one candidate was registered for positions:

**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 1 month)**

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.

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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.

Following the analysis of the submitted file, regarding the fulfillment of the conditions for participation in the competition, the commission decided:

No	Competition file	Name of the position outside the organizational chart	Admitted/ Rejected
1.	Nr.12423/11.05.2026	Doctoral Student – 1 position (P1.22) - Doctoral Researcher for Translational Research and Data Analysis (part-time max. 84 hours/month, duration 1 month)	Admitted
2.	Nr.12419/11.05.2026	Postdoctoral Researcher – 1 positions (P1.25) - Postdoctoral Researcher for Translational Research and Data Analysis (part-time max. 84 hours/month for each position, duration 1 month)	Admitted
3.	-	Postdoctoral Researcher – 1 positions (P1.26) - Postdoctoral Researcher for Translational Research and Data Analysis (part-time max. 84 hours/month for each position, duration 1 month)	-
4.	-	Postdoctoral Researcher – 1 positions (P1.27) - Postdoctoral Researcher for Translational Research and Data Analysis (part-time max. 84 hours/month for each position, duration 1 month)	-
5.	-	Postdoctoral Researcher – 1 positions (P1.28) - Postdoctoral Researcher for Translational Research and Data Analysis (part-time max. 84 hours/month for each position, duration 1 month)	-
6.	-	Postdoctoral Researcher – 1 positions (P1.29) - Postdoctoral Researcher for	-

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		Translational Research and Data Analysis (part-time max. 84 hours/month for each position, duration 1 month)	
7.	-	Postdoctoral Researcher – 1 positions (P1.30) - Postdoctoral Researcher for Translational Research and Data Analysis (part-time max. 84 hours/month for each position, duration 1 month)	-
8.	-	Postdoctoral Researcher – 1 positions (P1.31) - Postdoctoral Researcher for Translational Research and Data Analysis (part-time max. 84 hours/month for each position, duration 1 month)	-
9.	-	Postdoctoral Researcher – 1 positions (P1.32) - Postdoctoral Researcher for Translational Research and Data Analysis (part-time max. 84 hours/month for each position, duration 1 month)	-
10.	-	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)	-

The interview will take place on 15.05.2026 at 9:00, at the Medical Genetics Discipline, Pasteur Street, no. 6, ground floor, Cluj-Napoca.