

**DEPARTMENT OF RESEARCH,
DEVELOPMENT AND INNOVATION**

400349 Cluj-Napoca, Romania
4 Louis Pasteur Street, 3rd floor
Tel: +40-374-834195; +40-374-834194
+40-374-834148

Fax:
E-mail: depcdi@umfcluj.ro

www.umfcluj.ro



UMF
UNIVERSITATEA DE
MEDICINĂ ȘI FARMACIE
IULIU HAȚIEGANU
CLUJ-NAPOCA

Reg. No. 5090/24.02.2026

COMPETITION ANNOUNCEMENT

FOR THE POSITION OF

Post-Doctoral Researcher - 2 positions

WITHIN THE PROJECT PNRR" Lung Squamous Cell Carcinoma Therapeutic Targets Using Systems-Level Machine Learning Based On Single Cell RNA Sequencing", implemented under Financing Agreement No. 760066/23.05.2023

The "Iuliu Hațieganu" University of Medicine and Pharmacy in Cluj Napoca is organising:

- based on Justification Note no. 4899/23.02.2026, approved by the university management, regarding the opening of positions outside the organisational chart, within the project "*Lung Squamous Cell Carcinoma Therapeutic Targets Using Systems-Level Machine Learning Based On Single Cell RNA Sequencing*".

- based on Ministerial Order No. 6084 of 27.11.2020 regarding the amendment of OMEC No. 4033 of 23.05.2019 regarding the approval of *the Internal Procedure for the recruitment and selection of personnel, with a view to filling positions outside the organisational chart, within projects financed from non-reimbursable external funds (PLP 21) v2* for the "Iuliu Hațieganu" University of Medicine and Pharmacy in Cluj Napoca;

The competition will take place as follows:

- submission of competition files between 25 February 2026 and 3 March 2026, 3 p.m.
- selection of applications on 4 March 2026
- submission and resolution of appeals regarding the application submission stage: 5 March 2026
- interview on 6 March 2026, online, Str. Gheorghe Marinescu, no. 23, Centre for Functional Genomics, Biomedicine and Translational Medicine, 4th floor, 9:30 a.m.
- interview results posted: 6 March 2026
- submission and resolution of appeals regarding the interview stage: 09.03.2026
- final results posted: 10 March 2026

General conditions required for the positions:

- Romanian citizenship or citizenship of another EU Member State or a state belonging to the European Economic Area, or the right to work in Romania;
- knowledge of Romanian, both written and spoken;
- be in good health for the position for which they are applying;
- meets the educational requirements and, where applicable, the seniority or other specific requirements of the position;
- has not been convicted of any criminal offence.

1. Postdoctoral Fellow 1 position - Pathology (tumour microenvironment and biomarkers)

Specific requirements:

- Anatomical pathologist - PhD in medicine or PhD in pathology, molecular pathology
- Completed residency or equivalent training in anatomical pathology (or close to completion)
- European master's degree graduate or currently enrolled
- Proven experience in **tumour histopathology**, especially lung cancer (preferably NSCLC)
- Practical experience in at least two of the following areas:
 - Immunohistochemistry (IHC)
 - Immunofluorescence (IF)
 - Digital pathology and image analysis
 - Tissue microarray (TMA) construction/analysis
- Familiarity with **tumour microenvironment characterisation**, including immune infiltrates
- Experience working with **human samples stored in biobanks** (FFPE and/or fresh frozen tissues)
- Understanding of molecular techniques (RNA/DNA extraction, qPCR or transcriptomics)
- Experience with multiplex imaging technologies
- Knowledge of biomarkers relevant to immunotherapy (e.g., PD-L1, TIL)

- Previous involvement in translational cancer research projects or clinical trials
- Publications in specialist journals in oncology or pathology (minimum 10 articles, of which at least 2 as lead author)
- Strong communication and teamwork skills in multidisciplinary environments
- Experience in research projects is an advantage
- Knowledge of English (written and spoken)
- Commitment to open science, reproducibility and ethical research practices

Project activities:

- Performing histopathological and molecular characterisation of lung cancer samples
- Conducting **tumour microenvironment and immune profile** analysis
- Correlating histological results with transcriptomic and miRNA data
- Collaborating with clinicians and bioinformaticians in integrative analyses
- Contributing to the preparation of manuscripts and dissemination of results

2. Postdoctoral Fellow – Medical Oncology (clinical-translational integration)

- Physician, Doctor of Medicine with specialisation (or nearing completion) in medical oncology
- Clinical experience in **the treatment of lung cancer (NSCLC/SCLC)**
- In-depth understanding of **systemic therapies**, including:
 - Chemotherapy
 - Targeted therapies
 - Immunotherapy
- Experience in **collecting and interpreting clinical data**, including patient stratification
- Knowledge of **biomarkers and personalised approaches in medicine**
- Ability to work with clinical databases and patient cohorts

- Research experience in translational oncology

- Experience in **clinical trials** (design, recruitment or data analysis)
- Knowledge of molecular profiling techniques (NGS, liquid biopsy, miRNA analysis)
- Experience in integrating clinical results with omics data
- Publications in oncology and/or participation in international research collaborations (minimum 5 articles, of which at least 2 as lead author)
- Strong communication and teamwork skills in multidisciplinary environments
- Experience in research projects is an advantage
- Knowledge of English (written and spoken)
- Commitment to open science, reproducibility and ethical research practices

Project activities:

- Leading the clinical annotation of patient cohorts and correlating with molecular results
- Supporting patient recruitment and sample collection in collaboration with clinical centres
- Contributing to **biomarker validation and stratification strategies**
- Connecting clinical and research teams to ensure translational relevance
- Participating in dissemination, reporting, and developing clinical impact strategies

Contract duration for each position: 3.25 months (23.03.2026-30.06.2026)

Maximum hours/month: 50 hours/month

In order to participate in the competition, candidates must submit their application files by 3 march 2026, 15:00, to the Research, Development and Innovation Department, 4 Louis Pasteur Street, 3rd floor, contact person: Romitan Rodica.

Contents of the application file:

- a) Application form for the recruitment and selection process (standard form attached to the recruitment and selection announcement – to include the name of the position for which the candidate is applying);
- b) CV, dated and signed on each page, in Europass format, mentioning the project and position sought by the candidate;
- c) Certified copies of the identity document or any other document proving identity, in accordance with the law, as applicable (certification shall be carried out by comparing the copies with the original documents by the secretary of the committee);
- d) Certified copies of identity documents and educational certificates (certification will be carried out by comparing the copies with the originals by the secretary of the commission);
- e) Certificate attesting to the status of master's student for position 1 and a copy of the doctoral degree for both positions
- f) Original certificates/diplomas/certificates attesting to specialisations (originals are required for certification);
- g) Supporting documents certifying length of service and/or specialisation in the field of study, respectively certifying the specific professional experience required for the position (e.g. certificates of length of service and specialisation in the field of study, employment contracts, job descriptions, recommendations, etc.), copies certified as true copies of the originals;
- h) Criminal record or a sworn statement that the candidate has no criminal record that would make them incompatible with the position for which they are applying; the criminal record must be submitted by the successful candidate within 10 working days of the publication of the final result of the recruitment and selection process;
- i) Medical certificate attesting to the candidate's good health, issued no more than 6 months prior to the recruitment and selection procedure, by the candidate's family doctor or by the competent health authorities;

- j) Declaration of availability regarding the time allocated to the project, per day and per month;
- k) Agreement on the processing, handling and storage of personal data

Competition schedule

The competition will consist of two stages, as follows:

- **Stage 1:** Verification of the eligibility of the files submitted by the candidates. All CVs received and other documents submitted will be analysed using the recruitment and selection grid.

On 04.03.2026, the selection committee will post the results of the evaluation of the applications and the interview schedule on the website www.umfcluj.ro, with the mention "admitted" or "rejected".

- **Stage 2:** Interview.

The candidates' knowledge and/or skills will be assessed through individual online interviews. The interview will be conducted in accordance with the interview plan drawn up by the recruitment and selection committee on the day of the test, based on the assessment criteria. The maximum possible score awarded to a candidate will be 100 points, and the minimum acceptable score will be 60 points.

The candidates' results at the interview stage represent the arithmetic mean of the scores awarded by the committee members and will be published on the website www.umfcluj.ro on 06.03.2026.

Resolution of appeals:

Any appeals shall be lodged within a maximum of one working day of the publication of the results of the selection of applications and/or the interview, except in the case of mandatory rest days (Saturday and Sunday) or public holidays, in which case the deadline shall be extended to the first working day following publication.

Appeals will be resolved by the Appeals Committee.

The score awarded after appeals is final.

The final result will be posted on the website www.umfcluj.ro on 10 March 2026.