



ACADEMIA ROMÂNĂ
INSTITUTUL DE CHIMIE MACROMOLECULARĂ “PETRU PONI”
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JOB ANNOUNCEMENT

The “Petru Poni” Institute of Macromolecular Chemistry in Iași announces a competition for filling one position of **Scientific Researcher CS I** (Principal Researcher, R4 level) within the ERA Chair project titled: “*BIOMAT4CAST – Petru Poni Institute of Macromolecular Chemistry Multi Scale in Silico Laboratory for Complex and Smart Biomaterial*”, acronym: **BioMat4CAST**, project code **101086667**, under the call **HORIZON-WIDERA-2022-TALENTS-01-01**.

Position: Scientific Researcher CS I (Principal Researcher, R4)

Number of available positions: 1

Start date of the contract: 01.10.2025

Employment period: Fixed-term, until 31.12.2026, with the possibility of extension, funded through the BIOMAT4CAST contract

Location of research activity: IntelCentru Laboratory, “Petru Poni” Institute of Macromolecular Chemistry, Iasi Romania

Selection procedure: Evaluation of application files and interview

Venue of the competition: Online or at the “Petru Poni” Institute of Macromolecular Chemistry (ICMPP), Iași, Aleea Gr. Ghica Vodă 41A, 700487, Romania

Competition Timeline:

- **Announcement publication date:** 14.05.2025
- **Deadline for submitting application files:** 13.06.2025, at 14:00, at the ICMPP headquarters or online to the email address: contact_biomat4cast@icmpp.ro
- **Announcement of the file evaluation results:** 16.06.2025, at 14:00
- **Appeals regarding file evaluation:** Until 17.06.2025, at 14:00
- **Publication of final results of the file evaluation on the institute’s website:** 18.06.2025, at 12:00
- **Date of oral test/interview:** 20.06.2025, at 10:00
- **Announcement of oral test/interview results:** 20.06.2025, at 16:00
- **Deadline for submitting appeals:** 23.06.2025, at 14:00
- **Announcement of final interview results on the institute’s website:** 24.06.2025, at 12:00
- **Publication of final competition results on the institute’s website:** 25.06.2025, at 12:00

General Requirements for Applicants:

- The applicant has proficiency in Romanian and/or English – both written and spoken;
- The applicant has full legal capacity.
- The applicant has a state of health appropriate for the position;
- The applicant has not been finally convicted for crimes against humanity, against the state or authorities, offenses related to service or justice, forgery, corruption, or any intentional offenses that would make them incompatible with holding the position, unless they have been legally rehabilitated.

Specific Requirements for the Scientific Researcher CS I Position:

- Availability for part-time employment on a fixed-term basis;
- The applicant must hold a university degree (Bachelor's), Master's, PhD, and habilitation (doctoral supervision rights) in one of the following fields: chemistry; physics; biology/ecology/biochemistry; or applied informatics;
- The applicant must have in-depth expertise in computational chemistry/physics or biochemistry, including data processing, results presentation, and statistical analysis;
- The applicant must be available for travel, both nationally and internationally;
- Must be motivated and creative, with strong communication and teamwork skills.

Note: This position is open to all candidates regardless of gender, religion, race, or sexual orientation. The project team firmly rejects any form of discrimination.

Application File Must Include the Following Documents:

- a) Cover letter (free format) indicating the applicant's research interests and motivation for applying for the position;
- b) A proposal outlining the applicant's scientific career development from the perspective of research activities, up to 5 pages.
- c) Curriculum Vitae in Europass format, signed by the applicant. The CV must include: **c1)** Education and degrees obtained; **c2)** Professional experience and relevant past positions; **c3)** Research, development, and innovation projects led as principal investigator; **c4)** Awards or other recognitions of scientific contribution; **c5)** A narrative description (up to 3 pages) of the three most significant achievements relevant to the position;
- d) List of scientific publications, papers, articles/studies, and patents considered relevant to the field of the position, structured as follows: **d1)** List of up to 10 most relevant scientific publications, such as authored books, articles/studies/chapters, edited volumes, works; **d2)** List of patents and other intellectual property titles; **d3)** List of authored books and edited/published volumes; **d4)** List of full-length articles/studies published in mainstream international scientific journals; **d5)** List of other scientific works and contributions, or, if applicable, in the fields of artistic creation or national defense.
- e) Copies of bachelor's, master's, PhD, and habilitation diplomas;
- f) Copy of ID card or other legal identification document;
- g) Copy of marriage certificate or proof of name change, if applicable;
- h) medical certificate issued by the family doctor or authorized health units;
- i) the signed declaration of consent for the processing of personal data;

Competition Stages:

- **Stage I – Administrative evaluation of applicants' files (eliminary):** Only candidates who have submitted all the required documents and meet the eligibility criteria will be admitted to the interview stage. The results of the file selection will be published with the mention "admitted" or "rejected."
- **Stage II – Scientific evaluation of the application file,** where grades between 1 and 10 will be awarded.
- **Stage III – Interview:** This will take place online and will consist of a presentation of original contributions and perspectives for development within the scope of the position. Each member of the evaluation committee will award individual scores between 1 and 10. The score for the interview will represent a maximum of 20% of the final score
- **Final score:** The final grade will be the arithmetic mean of the grades awarded by each member of the committee. Candidates will be ranked according to their final average score.

The selected candidate will be involved in the research activities of the BioMat4Cast project, which will focus on multi-scale in silico design of complex and smart biomaterials. The studies will address the

characterization, using advanced computational simulation methodologies, of the mechanisms of action of the (bio)molecules studied in BIOMAT4CAST.

Responsibilities:

- Developing the BioMat4CAST research group — a competitive team working in the field of computational chemistry for molecular design of smart biomaterial systems — and organizing and managing it from a scientific and managerial perspective;
- Conducting scientific and technical research, experiments, and laboratory work, including modeling/simulation;
- Presenting scientific results at conferences and seminars, writing, publishing, and presenting scientific reports, articles, and communications, highlighting key aspects of the project and obtained results, and contributing to dissemination activities;
- Developing strategies for attracting new funding resources for the BioMat4CAST team and coordinating research projects, creating contact groups with stakeholders in the field;
- Promoting and developing new research directions;
- Collaborating with departments within the Institute, maintaining contact with decision-makers both internally and externally, in line with the mission and values of the Institute;
- Strengthening ties with national and regional authorities dealing with innovation at the European Union level and boosting the innovation capacity of the BioMat4CAST group;
- Monitoring local and regional progress in innovative drug delivery systems, particularly at the intersection of policy, technology, and business;
- Supporting all activities related to overseeing the proper functioning of the BioMat4CAST group, good laboratory practices, and issues related to intellectual property rights concerning the research team.

For further details regarding the specific conditions or additional information, please contact the Human Resources Department at the "Petru Poni" Institute of Macromolecular Chemistry in Iași, phone: +40 332 880 221, ext. 209, IntelCentru, or by e-mail: **contact_biomat4cast@icmpp.ro**.

This announcement was published on the Institute's website – "Competitions" section – by the Secretary of the Competition Committee on May 14, 2025.