



ROMANIAN ACADEMY
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JOB VACANCY ANNOUNCEMENT

The "Petru Poni" Institute of Macromolecular Chemistry, Iași, Romania, announces the opening of a competition for the recruitment of **one Scientific Research Assistant (ACS) (PhD student member)** within the ERA Chair project **"BIOMAT4CAST - Petru Poni Institute of Macromolecular Chemistry Multi-Scale in Silico Laboratory for Complex and Smart Biomaterials"**, acronym **BioMat4CAST**, Project No. **101086667**, under the **HORIZON-WIDERA-2022-TALENTS-01-01** call.

Position: Scientific Research Assistant (ACS) (PhD student member)

Number of available positions: 1

Employment type: Part-time fixed-term employment contract

Working schedule: 4 hours/day

Gross monthly salary: RON 5,700

Starting date: 1 October 2026

Duration of employment: 12 months, funded through the BIOMAT4CAST Project

Research location: IntelCentru Laboratory

Recruitment procedure: Application screening, written examination, and interview

Competition venue: "Petru Poni" Institute of Macromolecular Chemistry (ICMPP) 41A Grigore Ghica Vodă Alley 700487 Iași, Romania

Competition Schedule

Stage	Date
Publication of the vacancy announcement	20.08.2026
Application submission period	20.08.2026 – 21.09.2026, 2:00 p.m.
Application submission deadline	21 September 2026, 2:00 p.m.
Applications may be submitted at ICMPP headquarters or electronically at contact_biomat4cast@icmpp.ro	21 September 2026, 2:00 p.m.
Publication of application screening results	22 September 2026, 2:00 p.m.
Deadline for appeals regarding application screening	23 September 2026, 2:00 p.m.
Publication of final application screening results	23 September 2026, 4:00 p.m.
Written examination	24 September 2026, 10:00 a.m.
Publication of written examination results	24 September 2026, 2:00 p.m.
Deadline for appeals regarding the written examination	25 September 2026, 2:00 p.m.
Publication of final written examination results	25 September 2026, 4:00 p.m.
Interview	28 September 2026, 10:00 a.m.
Publication of interview results	28 September 2026, 2:00 p.m.
Deadline for appeals regarding the interview	29 September 2026, 2:00 p.m.
Publication of final interview results	29 September 2026, 4:00 p.m.
Publication of final competition results	30 September 2026, 4:00 p.m.

General Eligibility Requirements

Applicants must:

- Be medically fit for employment.
- Have a good command of the English language.
- Meet the specific requirements for the advertised position.

Specific Requirements for the Scientific Research Assistant Position

Applicants must:

- Hold a Bachelor's degree in **Chemistry, Biochemistry, Physics, or a related field**, as well as a Master's degree in one of the same fields.
- Possess solid knowledge of chemistry or physics.
- Knowledge of **quantum chemistry, quantum mechanics, classical mechanics and/or statistical physics** will be considered an advantage.
- Be enrolled, or be willing to enroll, in a **PhD programme in Computational Chemistry**.
- Be willing to travel both nationally and internationally.
- Be highly motivated, creative, and possess excellent communication and teamwork skills.
- Demonstrate proficiency in English (mandatory).

Application File

The application file must include the documents required by **Law No. 183/2024 on the Status of Research, Development and Innovation Personnel**, namely:

- Application letter addressed to the ICMPP management requesting participation in the competition.
- Copy of the identity document and copies of documents certifying any change of name, where applicable.
- Copies of Bachelor's and Master's degree diplomas, together with academic transcripts.
- Copy/extract from the General Register of Employees (Revisal) proving previous employment experience, where applicable.
- Curriculum Vitae tailored to the requirements of the position.
- List of scientific contributions, accompanied by supporting documents, where applicable.
- Motivation letter (free format) explaining the applicant's motivation for applying.
- Original medical certificate confirming the applicant's health status, issued according to the standard format established by the Romanian Ministry of Health.
- Criminal record certificate or a declaration on one's own responsibility stating that the applicant has no criminal convictions incompatible with the position, with the obligation to submit the original criminal record certificate no later than the date of the first examination.
- GDPR Declaration.
- An essay on the required topic presenting the applicant's personal development plan, based on previous university activities (Bachelor's and Master's studies), and explaining how their knowledge supports future doctoral studies in Computational Chemistry. The essay must not exceed **three (3) pages** and must be written **in English**.

Selection Procedure

1. Application Screening

The Competition Committee will assess the eligibility of the submitted applications.

Failure to submit any required document or to meet any mandatory eligibility criterion will result in disqualification.

Applications will be assessed as **Admitted** or **Rejected**.

2. Essay evaluation

The written examination will be conducted **online** and will consist of the evaluation of the essays submitted with the application.

Each member of the Competition Committee will independently award a score from **1 to 10**.

3. Interview

The interview will be conducted **online**.

Each member of the Competition Committee will independently award a score from **1 to 10**. The final score will be the arithmetic mean of the scores awarded by all committee members. Candidates will be ranked according to their final average score.

Responsibilities of the Selected Candidate

Scientific Research Activities

- Multi-scale **in silico** design and study of non-viral vectors for gene therapy, including structural characterization, interaction of non-viral vectors with complementary polymer sequences and specific genetic molecules (DNA/RNA), and polyplex interactions with cellular membranes.
- Synthesis of systems designed through **in silico** studies and their characterization using physicochemical methods to validate input-output computational chemistry models.
- Evaluation of potential applications and development of new investigation tools.

Dissemination Activities

- Dissemination of research results through publications in **Web of Science (ISI)-indexed journals** and presentations at national and international scientific conferences.
- Contribution to the preparation of research reports.

Sustainability Activities

- Participation in training courses related to attracting and managing additional research funding.
- Identification of and application to competitive funding programmes to ensure the long-term sustainability of the candidate's research activities and those of the research group.

Support Activities

- Assisting in the organization of the laboratory workspace to ensure efficient and safe research activities.
- Assisting in the storage and management of consumables and chemical reagents required for research activities.

This position is open to all candidates regardless of sex, religion, race, or sexual orientation. The project team strictly rejects any form of discrimination.

The selected candidate shall maintain the confidentiality of all research topics and activities in which they are involved.

Further information regarding the specific requirements or the recruitment procedure may be obtained from the **Human Resources and Payroll Office (SRUS)** of the "**Petru Poni**" **Institute of Macromolecular Chemistry**, Iași. Telephone: **+40 332 880 220, extension 209**, E-mail: contact_biomat4cast@icmpp.ro

**This announcement was published on the Institute's website
Section << Vacancies >>
by the Secretary of the competition committee
on 20.08.2026**