



**ACADEMIA ROMÂNĂ  
INSTITUTUL DE CHIMIE MACROMOLECULARĂ "PETRU PONI"**  
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## COMPETITION ANNOUNCEMENT

"Petru Poni" Institute of Macromolecular Chemistry (Institutul de Chimie Macromoleculară „Petru Poni”, ICMPP), Iași, Aleea Gr. Ghica Vodă 41A, 700487, as Beneficiary, organizes the competition in order to hire within the funding contract no. 760284/27.03.2024, "*Metal complexes for the treatment of cancer targeting microtubules or microtubules and R2 RNR (Metubin)*", CF 99/31.07.2023, run through National Recovery and Resilience Plan, Component 9 “Support for the private sector, research, development and innovation”, Investment 8. "Development of a program to attract highly specialized human resources from abroad in research, development and innovation activities", call PNRR/2023/C9/MCID/I8, financed by the Recovery and Resilience Mechanism, several open positions, as follows:

### **I. Position of research assistant (PhD student member in the project)**

**Number of positions for competition: 1**

**Type of employment contract:** individual full-time employment contract

**Estimated contract start date: 15.11.2024**

**Period of employment:** determined, until 31.12.2024, with the possibility of extension, financed by the project: *Metal complexes as microtubule- and dual microtubule – R2 RNR-targeting drugs for cancer treatment (Acronym: Metubin) (ID 99/31.07.2023)*, Financing contract no. 760284/27.03.2024

**The place of the research activity:** the Laboratory of Inorganic Polymers within ICMPP

**The venue of the competition:** ICMPP, Aleea Gr. Ghica Voda 41A, 700487-Iasi, Romania

**Position description:** synthesis, purification, and structural characterization of indolobenzazocine organic intermediates and ligands;

**Specific conditions for the position of research assistant** (PhD student member in the project):

- The candidate must be a graduate of higher education with a bachelor's and master's degree in the field of chemistry and be enrolled in a doctorate program at an institution organizing doctoral studies in Romania, in the field of chemistry;
- Theoretical and practical knowledge in the fields of fine organic chemistry and organic structural analysis;
- Theoretical and practical knowledge in the field of heterocycle chemistry;
- Intermediate foreign language skills, English being mandatory; knowledge of other international languages is an advantage;
- The candidate must be available to travel within the country and abroad, if necessary;
- To be motivated and creative, with advanced communication and teamwork skills;
- Possess practical knowledge of computer operation (Word, Excel, Power Point). Knowledge of ChemDraw, Origin, MestReNova, ChemSketch, and ImageJ is a plus.

**Competition procedure:** *file analysis and oral test* - presentation of the scientific activity of the candidates.

Only candidates who have submitted all the necessary documents to register for the competition and meet the conditions for participation are accepted to participate in the oral test. The results of the selection of competition files are displayed with the mention "admitted" or "rejected". The oral exam will take place at the ICMPP headquarters. Each member of the competition committee will individually award grades between 1 and 10. The final grade is the arithmetic mean of the grades awarded by each member of the committee. The ranking of candidates will be done according to the final average.

### Topics:

1. Reaction types in organic chemistry (electrophilic and nucleophilic substitution reactions, double bond addition reactions);
2. Methods of synthesis and characterization of organic azomethine compounds and their complex combinations;
3. Common techniques for the purification of organic and coordination compounds;

### References:

1. C.D Nenitescu, *Chimie organica*, Editia a VIII-a, Editura Didactica si Pedagogica, Bucuresti, 1980, vol. 1, cap. III.
2. M. Avram, *Chimie organica*, Editura Academiei Romane, Bucuresti, 1983, vol. 1,2.
3. F. Badea, *Mecanisme de reactie in chimia organica*, Editura Stiintifica, Bucuresti, 1973.
4. H. Becker, *Organicums, Chimie organica practica*. 2nd ed. Bucuresti: Editura Stiintifica și Enciclopedică, 1982.

**Note:** *The position is open to all applicants, regardless of race, religion, gender or sexual orientation, and the project team rejects any type of discrimination.*

### Competition timetable:

**Competition publication date:** 10.10.2024

**Deadline for file registration:** 11.11.2024, 12.00 HR Office, first floor, ICMPP;

email: [balan.catalina@icmpp.ro](mailto:balan.catalina@icmpp.ro)

**Publication on the institute website of the results of the file analysis:** 11.11.2024, 16.00

**Deadline for appeals on the results of the file analysis:** 12.11.2024, 14.00

**Publication on the institute website of the final results of the file analysis:** 12.11.2024, 16.00

**Oral examination (interview):** 13.11.2024, 09.00;

**Publication on the institute website of the results of the oral examination:** 13.11.2024, 14.00

**Deadline for appeals on the results of the oral examination:** 13.11.2024, 16.00

**Publication on the institute website of the final results:** 14.11.2024, 14.00.

### General requirements for candidates:

- The candidate has Romanian citizenship, citizenship of other member states of the European Union, or citizenship of states belonging to the European Economic Area;
- The candidate knows written and spoken Romanian and/or English;
- The candidate has full exercise capacity;
- The candidate has a state of health corresponding to the position for which he/she is applying;
- The candidate is medically fit;
- The candidate is available for part-time employment for a fixed period.

**The registration file** must contain the documents provided by Art. 15 para. (6) of Law No. 319/2003 regarding the Statute of Research and Development Personnel, namely:

- The candidate's application should be addressed to the ICMPP legal representative, requesting registration for the competition for filling the vacant position. The request should be dated and signed by the candidate, approved by the legal representative of the institute, and registered within the legal deadline for registration;
- Copy of the identity document and copies of documents certifying the change of name, if applicable;
- Copies of the documents certifying the candidate's studies: bachelor's and/or master's degree accompanied by the transcript(s);
- Diplomas obtained in other countries must be recognized by The National Center for the Recognition and Equivalence of Diplomas (CNRED), and implicitly by the National Council for Attestation of University Titles, Diplomas, and Certificates in Romania (CNATDCU) or initiate the steps for them;
- Certificate attesting to the quality of a doctoral student enrolled in an institution organizing doctoral studies in Romania for the positions of *research assistant - doctoral student*;

- Appendix 9 – PhD supervisor's agreement (*model displayed on the website*) completed and signed for the position of *research assistant - PhD student*;
- Curriculum vitae adapted to employment requirements;
- List of scientific contributions accompanied by copies of the papers (if appropriate);
- Cover letter (free format), indicating the research areas of interest and the motivation for applying to this vacant position;
- Original medical certificate attesting clearly to the state of health, containing the number, date, name, of the issuer, in the standard format established by the Ministry of Health;
- Criminal record or declaration on own responsibility that has no criminal convictions that would make it incompatible with the position for which the candidate is applying, with the completion of the competition file (up to the date of the first competition test) and the original criminal record.

The candidate undertakes to maintain the confidentiality of the research topics in which he participates.

Details regarding the specific conditions can be read on the website <https://icmpp.ro>, the Vacancies section, <https://www.euraxess.gov.ro/ro>, <https://jobs.research.gov.ro/>, or additional information can be obtained at the **Human Resources Office** at the headquarters of the "**Petru Poni**" **Institute of Macromolecular Chemistry Iași**, telephone 0332 880 220, as well as at e-mail: [metubin.pnrr@icmpp.ro](mailto:metubin.pnrr@icmpp.ro).

**This announcement was published on the website of the Institute - Section "Vacancies", by the Secretary of the Competition Commission on 10.10.2024**