



The reference number: MimicLS_Post-doc_2

ADAM MICKIEWICZ UNIVERSITY, POZNAN

ANNOUNCES

A COMPETITION

for the position of Post-doc.

**at the Centre of Advanced Technologies AMU
in the project**

Sequence-regulated polymer self-assembly towards materials mimicking living systems

number UMO-2021/43/1/ST4/01294

Basic information

- 1. Research discipline (research field):** Chemistry
- 2. Number of work hours per week including a task-based work schedule (if applicable):**
full-time, 40 hours per week.
- 3. Type of an employment contract and expected duration of employment:** fixed-term contract from 01/05/2025 to 30/04/2026 (12 months)
- 4. Anticipated job starting date:** 01/05/2025
- 5. Workplace location:** Centre of Advanced Technologies AMU, Uniwersytetu Poznańskiego 10, 61-614 Poznań, Poland
- 6. Monthly salary: ca. 7700 PLN** (gross amount, which includes social security contributions, the tax, and the net amount; it is the amount specified in the contract)
- 7. Application deadline and process:** 30.03.2024
Applications should be sent electronically to the following e-mail address:
szwedalab@gmail.com
In the subject line, please include the reference number: **MimicLS_Post-doc_2**



8. Required documents

- Application form (motivation letter of the candidate);
- *Curriculum Vitae*;
- Diplomas or certificates issued by colleges and universities attesting to doctoral degree (in case of academic degrees obtained abroad - the documents must meet the equivalence criteria set out in Article 328 of the Act of 20 July 2018 Law on Higher Education and Science (Journal of Laws of 2024, item 1571 ; Polish: Dziennik Ustaw 2024 poz. 1571 t.j.);
- Information on the Applicant's research, teaching and organizational achievements (list of publications, participation in research projects),
- Contact to two people from the scientific community who can provide references;
- Consent to the processing of personal data as follows : *In accordance with Article 6 (1) (a) of the General Data Protection Regulation of 27 April 2016. (OJ EU L 119/1 of 4 May 2016) I consent to the processing of personal data other than: first name, (first names) and surname; parents' first names; date of birth; place of residence (mailing address); education; previous employment history, included in my job offer for the purpose of the current recruitment."*;

Conditions of the competition determined by the competition committee

I) Determination of qualifications: (researcher profile) according to the Euraxess guidelines

- **(R1) First Stage Researcher** (up to the point of PhD)
- X **(R2) Recognised Researcher** (PhD holders or equivalent who are not yet fully independent)
- **(R3) Established Researcher** (researchers who have developed a level of independence)
- **(R4) Leading Researcher** (researchers leading their research area or field)

II) Job Offer description

Post-doc position in the Laboratory of Programmable Polymers, headed by dr. hab. inż. Róża Szweda, Prof. AMU.

Project description:

Nowadays, the progress in polymer synthesis enables full control of monomer sequences with biological precision. However, to enable their practical use a sustainable and highly efficient approach has to be developed. It is expected that sequence-defined macromolecules can be designed to fold into particular 3D structures by a selection of the proper monomer alphabet, as it is observed for natural macromolecules. Yet, very little is known about single chain folding of non-natural macromolecules with defined primary structure and their assembly into complex supramolecular structures has not been investigated, so far.



The project aims to obtain knowledge on sequence-regulated, hierarchical polymer self-assembly, which is required for creating synthetic materials with structural sophistication and complex function as represented by living matter.

The project received funding from the National Science Center (no. 2021/43/I/ST4/01294) in the Opus Lap competition.

More information about the activities of the Programmable Polymers Team can be found at swedalab.com.

III) Requirements and qualifications

The competition is open to individuals who meet the requirements specified in Article 113 of the Law on Higher Education and Science of 20 July 2018 (Journal of Laws of 2024, item 1571, Article 113 as amended) and who meet the following requirements:

- obtained a doctoral degree in an entity other than the entity where employment in this position is planned, or completed at least 10-month, continuous and documented postdoctoral internship in an entity other than the entity implementing the project and in a country other than the country of obtaining the doctoral degree;
- during the period of receiving this remuneration, candidates will not receive remuneration from another employer under an employment contract, including from an employer based outside Poland.
- obtained a doctoral degree in the year of employment in the project or in the period of 7 years before January 1 of the year of employment in the project. This period may be extended by the time spent on long-term (over 90 days) documented sickness benefits or rehabilitation benefits due to incapacity for work. Additionally, this period may be extended by the number of months spent on leave related to the care and upbringing of children granted under the terms set out in the Labor Code, and in the case of women - by 18 months for each born or adopted child, if this method of indicating breaks in a scientific career is more favorable.

IV) Required languages

1. **Language: English**
2. **Level: fluent** (Definition of the language level according to the Euraxess dictionary)

V) Required research, teaching or mixed experience

- documented experience in preparative organic synthesis
- knowledge of polymer chemistry will be an advantage
- hands-on experience in chromatographic methods (GC, HPLC, Flash)
- knowledge of basic spectroscopic methods used to identify organic compounds (NMR, FTIR, CD, UV-vis, Fluorescence)
- ability to design and perform syntheses of organic compounds
- ability to prepare the text of a scientific publication and present the results



PROGRAMMABLE
POLYMERS



UCZELNIA
BADAWCZA
INICJATYWA DOSKONAŁOŚCI



HR EXCELLENCE IN RESEARCH



- knowledge of computer as Origin, Mendeley, MNova

VI) Benefits

- an atmosphere of respect and cooperation
- supporting employees with disabilities
- flexible working hours
- funding for language learning
- co-financing of training and courses
- additional days off for education
- life insurance
- pension plan
- savings and investment fund
- preferential loans
- additional social benefits
- leisure-time funding
- subsidizing children's vacations
- "13th" salary

VII) Eligibility criteria

1. Scientific excellence
2. Research experience in the MimicLS project
3. Communication in English
4. Motivation for research work

VIII) The selection process

1. Competition committee begins working no later than 14 days after the deadline for submission of documents.
2. Formal evaluation of submitted proposals.
3. Call to provide additional or missing documents if necessary.
4. Selection of candidates for the interview stage.
5. Interviews for candidates who meet the formal requirements.
6. The chair of the competition committee announces the results and informs the candidates. This information will include justification with a reference to candidates' strengths and weaknesses. Submitted documents will be sent back to candidates.

IX) Prospects for professional development

Post-doc positions are, by their nature, temporary employment allowing a young scientist to improve his scientific skills under the supervision of an experienced research team leader, thus preparing for a future, independent scientific career. Working in the Programmable Polymers Research Team will allow you to gain experience and key skills in the field of macromolecule chemistry.



HR EXCELLENCE IN RESEARCH



RODO Information Clause :

Pursuant to Article 13 of the General Data Protection Regulation of 27 April 2016. (Official Journal of the EU L 119 of 04.05.2016) we inform that:

1. The controller of your personal data is Adam Mickiewicz University, Poznań with the official seat: ul. Henryka Wieniawskiego 1, 61 - 712 Poznań.
2. The personal data controller has appointed a Data Protection Officer overseeing the correctness of the processing of personal data, who can be contacted via e-mail: iod@amu.edu.pl.
3. The purpose of processing your personal data is to carry out the recruitment process for the indicated job position.
4. The legal basis for the processing of your personal data is Article 6(1)(a) of the General Data Protection Regulation of 27 April 2016 and the Labour Code of 26 June 1974. (Journal of Laws of 1998 N21, item 94 as amended).
5. Your personal data will be stored for a period of 6 months from the end of the recruitment process.
6. Your personal data will not be made available to other entities, with the exception of entities authorized by law. Access to your data will be given to persons authorized by the Controller to process them in the performance of their duties.
7. You have the right to access your data and, subject to the law, the right to rectification, erasure, restriction of processing, the right to data portability, the right to object to processing, the right to withdraw consent at any time.
8. You have the right to lodge a complaint to the supervisory authority - the Chairman of the Office for Personal Data Protection, ul. Stawki 2, 00 - 193 Warszawa.
9. Providing personal data is mandatory under the law, otherwise it is voluntary.
10. Your personal data will not be processed by automated means and will not be subject to profiling.