Changing the present to make a difference in the future
— Mission of AMU —

We create a working environment supporting both male and female scientists
— HR Excellence in Research —

VICE-RECTOR
in Charge of the School
of Natural Sciences
at the Adam Mickiewicz University, Poznań

announces a competition for the position of: Postdoctoral Researcher

at the Faculty of Chemistry

in the project SONATA-BIS "Green energy controlled by spin - photo(electro)catalytic water splitting by chiral materials" number UMO- 2024/54/E/ST4/00021

Basic information

1. Competition reference number	
2. Research discipline *(research field)*	Chemical Sciences, Material Science
3. Number of work hours per week including a task-based work schedule *(if applicable)*	Full-time, 40 hours per week in a task-based work time system.
4. Monthly salary a. Basic salary b. Other remuneration components	~ 8.987,00 PLN gross AMU Remuneration Regulations
5. Type of an employment contract and expected duration of employment	Employment contract for a fixed term of one year, with the possibility of extension (up to three years)
6. Anticipated job starting date	01.05.2026
7. Workplace location	Faculty of Chemistry, Uniwersytetu Poznańskiego 8, 61-614 Poznań, Poland

8. Work rules	AMU Work Regulations
9. Application deadline and process	Electronic submission to alewand@amu.edu.pl Application deadline: 28.02.2026r.
10. Required documents	■ Application form/letter of the candidate addressed to the Vice-Rector announcing the competition; ■ Curriculum Vitae; ■ Diplomas or certificates issued by colleges and universities attesting to education and degrees or titles held (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 2023, item 742 Polish: Dziennik Ustaw 2024 poz. 1571 t.j.); ■ Information on the Applicant's research, teaching and organizational achievements, ■ Other documents as determined by the competition committee. ■ 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) ☒ **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	**The aim of the call is to select a candidate for a postdoctoral (post-doc) assistant professor position within the SONATA BIS project entitled *"Green energy controlled by spin - photo(electro)catalytic water splitting by chiral materials"*, project agreement no. UMO-2024/54/E/ST4/00021, funded by the National Science Centre (NCN), Poland.** In this project, we aim to investigate the influence of chiral nanomaterials on the efficiency and selectivity

	of photo(electro)catalytic water splitting, with particular emphasis on the oxygen evolution reaction (OER) as the key rate-limiting step of the process. The research seeks to overcome fundamental barriers such as high overpotentials, low current density, and the formation of undesirable by-products leading to catalyst deactivation. The project exploits the chiral-induced spin selectivity (CISS) effect, according to which chiral materials can preferentially transport electrons with a specific spin orientation, which may significantly affect the kinetics and mechanisms of electrochemical reactions. The research will include the development and characterization of chiral photoabsorbers, catalysts, and modified electrode surfaces, as well as a comparison of different strategies for introducing chirality into catalytic systems. The goal is to identify structure–property–activity relationships and to determine the extent to which spin-dependent effects can be used to reduce overpotentials and improve reaction selectivity. The results obtained will provide new insights into CISS mechanisms in photo(electro)catalytic systems and may indicate new directions for the development of materials for sustainable hydrogen production using solar energy. **The successful candidate will be responsible for:** • Synthesis and characterization of chiral materials for water splitting • Design and execution of photo-(electro)catalytic experiments • Independent literature research • Active participation in the discussion and interpretation of results Additional duties will include assisting in the supervision of PhD candidates and/or Master's students involved in the project. Participation in scientific conferences and the publication of several research articles are expected; therefore, the ability to prepare manuscripts and present results at conferences is required.
III. Requirments 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: • A PhD degree in chemistry or a related field, obtained at an institution other than Adam Mickiewicz University (UAM), awarded no earlier than 7 years prior to the year of employment in the project; • The project leader must not have been the supervisor or auxiliary supervisor of the candidate's doctoral dissertation; • The PhD degree must have been obtained at an institution other than UAM, or the candidate must

	have completed at least a 10-month, continuous and documented postdoctoral fellowship at an institution other than UAM and in a country different from that in which the PhD degree was awarded; • Knowledge and experience in materials synthesis, materials chemistry, and electrochemistry; • Authorship or co-authorship of scientific publications in chemistry and/or materials engineering; • Familiarity with methods used for the characterization of chiral materials (CD, XRD, XPS, TEM, FTIR); • Ability to plan and conduct experiments and to visualize research results; • Experience in presenting research at national and international scientific conferences.
IV. Required languages	Language: english Level: very good
V. Required research, teaching or mixed experience	Vide point III
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 ■ healthcare package
VII. Eligibility criteria	▪ Match of the candidate’s scientific profile with the call (0–20 points) ▪ Number and scientific quality of publications (0–20 points) ▪ Number, scientific level, and conference presentations (0–10 points) ▪ Final degree grade (0–10 points) ▪ Research internships and participation in research projects (0–20 points)

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 committee has the right to request external reviews of candidates' work or to ask candidates to conduct teaching assignments with an opportunity for student evaluation. 7. Other..... *8.* 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	1. We offer a friendly, dynamic, and supportive working environment, with opportunities to participate in professional training courses, thematic seminars, and national and international conferences. 2. Support in building a scientific profile through the preparation of publications in renowned scientific journals. 3. Assistance in preparing grant applications.

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 Warsaw.
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.

Procedure for reporting violations of the law

Recruitment: Positions and Competitions for Academic Teachers: Information on the internal reporting procedure referred to in the Act of 14 June 2024 on the Protection of Whistleblowers (Journal of Laws, item 928), announced by Regulation No. 5/2023/2024 of the Rector of Adam Mickiewicz University, Poznań of 17 September 2024 concerning the introduction of the Internal Reporting Regulations regarding the breach of law and follow-up actions at Adam Mickiewicz University, Poznań. Below are links to the regulation together with its annexes:

Ordinance No. 5/2023/2024
Rules for submissions
Information clause