

## PhD scholarship in surface science (physics / chemistry / nanotechnology)

The scholarship is funded by the National Science Centre of Poland through the SONATA BIS project No. 2023/50/E/ST3/00704.

**Unit:** NanoBioMedical Centre, Adam Mickiewicz University, Wszechnicy Piastowskiej 3, 61-614 Poznań, Poland

**Research fields:** physics (surface physics, chemical physics); chemistry (heterogeneous catalysis, physical chemistry); engineering (materials engineering, chemical engineering)

**Application deadline:** 30.06.2024 at 23:59 CEST (Europe/Warsaw)

**Position starting date:** 01.10.2024

**Hours per week:** 40

**Number of available scholarships:** 1

**Offer description:** A 4-year PhD scholarship is available at the NanoBioMedical Centre of Adam Mickiewicz University in Poznań, Poland, in the group of Assoc. Prof. Dr. Mikołaj Lewandowski ([www.surfacescience.pl](http://www.surfacescience.pl)). The project will concern atomic-scale studies of charge transfer phenomena in single-atom catalysts based on iron and epitaxial graphene. The main responsibilities of the PhD student will include preparation of model catalysts under ultra-high vacuum (UHV), performing low energy electron diffraction (LEED) and X-ray photoelectron spectroscopy (XPS) studies, taking part in scanning tunneling microscopy/spectroscopy (STM/STS), polarization-modulation infrared reflection-absorption spectroscopy (PM-IRRAS) and temperature programmed desorption (TPD) measurements, as well as analyzing and presenting the results.

### Formal requirements:

1. Completed MSc course in physics, chemistry, materials science or related field;
2. Readiness to dedicate to scientific work;
3. Flexible working hours;
4. Good English communication skills;
5. Documents: motivation letter, curriculum vitae with a list of publications and conference appearances (if any), copy of the MSc diploma, letter of reference from a scientific advisor (not necessarily the MSc thesis supervisor).

### Additional information:

Benefits: Realization of a PhD thesis in an interdisciplinary research group, working on high-class scientific equipment located in a modern research centre, visiting the partner group in the project from the University of Graz (Austria), presenting results at conferences and being a co-author of scientific publications.

Selection process: Selected candidates will be invited for a job interview (in person or via the Internet).

Application deadline: The application deadline is 30.06.2024, however, the position may be closed if filled prior to this date.

### Websites related to the offer:

<https://www.ncn.gov.pl/sites/default/files/listy-rankingowe/2023-06-15-lut7739ikitila/streszczenia/599559-en.pdf>

<https://www.surfacescience.pl>

<https://cnbm.amu.edu.pl/en>

**E-mail address for sending the applications:** [lewandowski@amu.edu.pl](mailto:lewandowski@amu.edu.pl) (with a copy to [cnbmadm@amu.edu.pl](mailto:cnbmadm@amu.edu.pl))

Please include in your application:

#### Consent clause

In accordance with Article 6(1)(a) of the General Data Protection Regulation of 27 April 2016 (Journal of Laws of the EU L 119/1 of 4 May 2016) I agree to the processing of personal data other than those indicated in Article 221 of the Labour Code (name(s) and surname; parents' names; date of birth; place of residence; address for correspondence; education; previous employment), included in my job offer for the purpose of current recruitment.

date and signature

#### **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.