



TEMPLATE

## ANNOUNCEMENT

RECTOR OF THE SILESIAN UNIVERSITY OF TECHNOLOGY  
announces the competition for the postdoctoral position  
in the field of Synthesis of Organic Electronic Materials  
in the rank of Assistant Professor or Assistant Researcher  
in the Department of Physical Chemistry and Polymer Technology at the Faculty of Chemistry  
at the Silesian University of Technology in Gliwice,  
2A Akademicka St.

### Job description:

- 1) the competition for the position of Assistant Professor or Assistant Researcher is open to persons who meet the requirements specified in the Act of 20 July 2018 – Law on Higher Education and Science (Journal of Laws of 2021, item 478, as amended) and the Statute of the Silesian University of Technology of 3 June, 2019 (Legal Monitor of SUT of 2020, item 339 as amended),
- 2) estimated work commencement date: immediately,
- 3) workplace and type of contract: Faculty of Chemistry, group of Prof. Igor F. Perepichka, fixed term, full-time job,
- 4) period of employment: from the start date for 24 months (subject successful initial 6-months probation period),
- 5) rank of an employment: Assistant Professor or Assistant Researcher, depending on qualification,
- 6) number of vacancies: 2
- 7) remuneration: up to total € 4,200 per month (including gross salary, employer's contributions to healthcare, pension, etc.).

We seek for outstanding and enthusiastic researchers with strong expertise in the synthesis and characterization of organic/organometallic compounds (ideally,  $\pi$ -functional compounds for electronic applications), and a proven record of high quality research and achievements, to be a part of interdisciplinary research team on development of organic electronic materials and devices and creating the multidisciplinary Centre of Excellence (CoE) in Organic Electronics. The successful candidates will work in the group of Prof. Igor Perepichka on the Horizon2020 European project „ExCEED” toward organic molecular and polymer semiconductors for OLEDs, OFETs, OPVs, electrochromics, and other applications.

### Main Tasks and Key Responsibilities:

- 1) Design and synthesis of organic electroactive molecules and conjugated polymers.

- 2) Characterization of redox-active and photoactive  $\pi$ -functional materials using the basic set of instrumental techniques: NMR spectroscopy (including solid-state), MS, FTIR, ESR, UV-Vis, photoluminescence and an involvement in other studies (electrochemistry, Raman spectroscopy, XRD, DSC/TGA, electron microscopy and other methods).
- 3) Participate actively in other research and development activities on design of new electronic materials.
- 4) Writing original research articles and reviews for publication, with a focus on publishing research results in leading journals in the field. Preparation of patent applications.
- 5) Involvement in grant proposal preparation and reports.
- 6) Develop project plan and execute scientific programmes in a timely manner.
- 7) Reporting the progress of research to Prof. Igor F. Perepichka and to the management team of the "ExCEED" project.
- 8) To be involved in mentoring and training PhD students in the group.
- 9) Provide guidance, mentor and training to working team and regular review of needs to ensure proficiency of the team.
- 10) Assist in organizing other academic activities for the project (e.g., academic speeches, conferences, meetings, publicity etc.);
- 11) Other academic and managing tasks assigned by the PI.

**Requirements:**

- 1) PhD degree in Chemistry or an equivalent level of professional qualification and experience are essential.
- 2) Well versed with methods of organic and physical organic chemistry.
- 3) Candidates should have confirmed research experience and strong background in organic synthesis and common methods of characterisations of organic compounds (NMR, MS, FTIR, UV-Vis, HPLC etc).
- 4) Experience in polymer chemistry, materials chemistry, electron absorption/fluorescence spectroscopy, electrochemistry, ESR, XRD and/or other physical methods of characterisation and studies of organic molecular and polymeric materials for electronics, and DFT calculations are desirable and would be an advantage.
- 5) Strong publication records relevant to organic chemistry and/or materials science.
- 6) Highly motivated researcher with strong interest to pursue research in experimental organic materials chemistry.
- 7) Ability to resolve complex issues and make technical, and procedural decisions and judgments
- 8) An ability to work independently and as part of a multi-disciplinary team.
- 9) An ability to work under high pressure in a tight-time schedule.
- 10) Good writing skills for scientific articles.
- 11) Good interpersonal / communication skills and high level of English proficiency (both spoken and written).
- 12) Adhere to high ethical standards
- 13) Not employed by Silesian University of Technology in the last 4 years.

**Additional requirements:**

- 1) Previous postdoctoral (post-PhD) research in other Universities or R&D experience in industry is a big plus.
- 2) Research grant writing skills.
- 3) Familiarity with and/or experience in the related fields of optoelectronic materials and devices.
- 4) Industrial experience or collaboration with industry.
- 5) International experience at universities abroad.

**Required documents:**

- 1) University application form for an employment (can be downloaded at <https://bip.polsl.pl/oferty-pracy/>).

- 2) Cover letter with an explanation of your interest in the position and statements confirming the fulfilment of general and additional requirements.
- 3) Detailed Curriculum Vitae (CV) with gained skills, list of publications and contact details of minimum three professional referees.
- 4) You must arrange that your referees send their letters of recommendation (minimum 2) directly to [igor.perepichka@polsl.pl](mailto:igor.perepichka@polsl.pl).
- 5) A brief research statement regarding the past and present research (2-3 pages).
- 6) Copies of up to three the most important publications.
- 7) Copies of PhD / MSc / BSc diplomas or equivalents.
- 8) Candidate's declaration that the Silesian University of Technology will be the primary place of work.

#### **The University offers:**

- 1) Full-time employment contract with the rank of Assistant Professor or Assistant Researcher position (depending on the qualification) at the Faculty of Chemistry;
- 2) Very favourable financial conditions: internationally competitive salary commensurate with qualification and experience, which is also very competitive compared to salaries in the public and private sectors in Poland.
- 3) Work in the interdisciplinary team on organic electronics in the frame of the European Horizon2020 project "ExCEED".
- 4) Work in a friendly and supportive environment that cares about the employee's quality of life.
- 5) Other benefits provided by the University: numerous additional pro-quality programs, to encourage the research performance:
  - by PLN 10,000<sup>1</sup> gross per month for 12 months, for each publication in the main series (flagship) of Nature or Science journal,
  - by PLN 3,500<sup>1</sup> gross per month for 12 months, for each publication in a journal from the TOP1 list,
  - by PLN 2 000<sup>1</sup> gross per month for 12 months, for each publication in a journal from the TOP5 list,
  - by PLN 1,500<sup>1</sup> gross per month for 12 months, for each publication in a journal from the TOP10 list,
  - by PLN 8,000<sup>2</sup> gross in the form of scholarship, for a publication published in cooperation with an author representing a foreign research centre or a non-academic partner,
  - by PLN 16,000<sup>2</sup> gross per month in the case of commencing the implementation of a Horizon 2020 or Horizon Europe projects as the coordinator, for the duration of the project + remuneration from the project,
  - by PLN 6,500<sup>2</sup> gross per month in the case of commencing the implementation of a Horizon 2020 or Horizon Europe project as a partner, for the duration of the project + remuneration from the project,

#### **Prospects for professional development:**

- 1) Work in reputable international research team.
- 2) Developmental research topics with a large impact on science.
- 3) Joint interdisciplinary research involving the acquisition of skills in other areas.

#### **The application must be submitted:**

- by e-mail entitled POSTDOC-OE to: **Prof. Igor Perepichka** ([igor.perepichka@polsl.pl](mailto:igor.perepichka@polsl.pl)),
- until the day **24 May, 2023 (11:59PM CET)**,

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<sup>1</sup> The amount of the grant for the team from the Silesian University of Technology shared in the amount depending on the author's participation among all authors from the University.

<sup>2</sup> Funds in the form of a scholarship awarded to the entire project team on behalf of the Silesian University of Technology, shared in the amount depending on the author's participation among all authors from the University.

- the expected date of the competition results: **31 May, 2023**

Incomplete or late applications will not be considered.

If you have any questions regarding these positions, you can write informally with your question(s) to Prof. Igor Perepichka ([igor.perepichka@polsl.pl](mailto:igor.perepichka@polsl.pl)). As in the framework of the "ExCEED" project, the University opens two postdoctoral positions on synthesis and two positions on material/device studies, you should clearly indicate which post you apply for (POSTDOC-S or POSTDOC-OE, or both).

Next steps: The initial selection of candidates will take place shortly after this date, and shortlisted candidates are expected to be notified within approx. 7 days and will be invited for an interview on the appointed date (online). The assessment for the post among the shortlisted candidates will include a presentation of your work during your PhD and/or postgraduate studies.

Please be informed we are only able to notify the shortlisted candidates about the outcome.

Postdoctoral positions are available immediately and we expect that successful candidates to be able to start work as soon as possible.

Candidates negatively evaluated by the selection committee have the right to appeal against the results of the competition within 7 days of their publication on the BIP website.

**Incomplete or late offers will not be considered. Please be informed that we will contact only the candidates who meet formal requirements.**

### **Information clause**

Pursuant to Art. 13 of the Personal Data Protection Regulation of 27 April 2016, please be informed:

- 1) the controller of your personal data is the Silesian University of Technology with its registered office at Akademicka 2A St, 44-100 Gliwice,
- 2) the Silesian University of Technology has appointed the Data Protection Officer who can be contacted via the email address: [iod@polsl.pl](mailto:iod@polsl.pl),
- 3) your personal data will be processed in order to carry out the recruitment process for work at the Silesian University of Technology,
- 4) the basis for the processing of your personal data is Art. 22<sup>1</sup> of the Labour Code and, if you consent to the use of your CV for future recruitment at the Silesian University of Technology, art. 6 section 1 point a of the GDPR regulation shall apply,
- 5) only employees authorized to process personal data to the necessary extent will have access to your personal data within the organizational structure of the Silesian University of Technology,
- 6) your personal data shall not be disclosed to other entities, except in cases provided for by law,
- 7) your personal data shall be stored for the period necessary to carry out the recruitment process or for the next 9 months after the end of the recruitment process, if you consent to the processing of personal data in future recruitment processes,
- 8) you have the right to request access to your data and, to the extent provided for by applicable regulations, the right to: rectify, delete, limit processing, raise objections; if you consent to the processing of data, you have the right to withdraw your consent at any time,
- 9) you have the right to lodge a complaint with the President of the Personal Data Protection Office, if you feel that the processing of your personal data violates the provisions of the General Data Protection Regulation,
- 10) providing data is voluntary, but necessary to achieve the purposes for which they are collected.

Rector

prof. dr hab. inż. Arkadiusz Mężyk