

Expression of Interest for hosting Marie Skłodowska – Curie Postdoctoral Fellow at the University of Lodz

1. DEPARTMENT INTERESTED IN HOSTING POSTDOCTORAL FELLOWS

Faculty: Chemistry
Department: of Inorganic and Analytical Chemistry; “In=f(in-ite)” Theoretical and Applied Electrochemistry Research Group
Contact person: Dariusz Guziejewski, PhD, DSc, associate professor,
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2. SCIENTIFIC AREA:

- Chemistry
 Economic Sciences
 Information Science and Engineering
 Environmental and Geosciences
 Life Sciences
 Mathematics
 Physics
 Social Sciences and Humanities

3. SHORT SUMMARY OF THE HOSTING DEPARTMENT (*max. 1 page*)

Activities and expertise:

electroanalysis of selected biologically active substances;
modeling of selected electrode processes using SWV technique;
study of the kinetics of electrode reactions;
design novel electrocatalytic materials;
development and characterization of novel electrochemical measurement techniques

Involvement in EU-funded research and training programmes/actions/projects:

NCN level research funding with extended international collaboration

Key research facilities:

Fully equipped electrochemical measurements
Characterization with spectroscopic and microscopic measurements
Access to advanced synthesis facilities, chromatography, electrophoresis, crystallography, quantum mechanics

Intersectoral secondments optionsⁱ

YES NO

4. PROPOSED PROJECT TOPIC

Rough outline of project idea or key words (optional - max. 10 phrases)

*Electroanalysis with three-phase direct gas sensing
Characterization of novel electrochemical techniques
Design of novel electrocatalytic materials
Novel construction materials via electrochemical routes
Advancing electrocatalysis with deep eutectic solvents, ionic liquids, conductive polymers*

5. VALID FOR THE FOLLOWING HORIZON-MSCA--PF CALL:

2025 2026 2027

MSCA Postdoctoral Fellowships are selected by EC on the basis of annual calls for proposals. Forthcoming and open calls for proposals can be found on the Funding & tender opportunities Portal of the European Commission

6. DO YOU CONSIDER THE NEED OF ON-SITE MEETING DURING THE APPLICATION PROCESS?

YES NO

ⁱ Within non-academic organizations (enterprises, hospitals, government institutions, cultural institutions, non-governmental organisations such as foundations, associations or other legal entities) – may be planned during the project provided they are in line with the Guide for applicants regulations of the corresponding call.