



## Recruitment for the OPUS-14 Project in the Team of Photocatalysis:

### *Remotely light-controlled activity in dyes, proteins, catalysts: imaging, sensing, energy conversion*

**Position:** **Post-doc**

**Institution:** Faculty of Chemistry, Jagiellonian University in Kraków, Poland

in cooperation with: Faculty of Physics, Astronomy and Informatics, Nicolaus Copernicus University, Toruń, Poland (NCU)

Institute of Physical Chemistry, Polish Academy of Sciences, Warszawa, Poland (IPC PAS)

**Duration of employment:** 18 months

**Position starts on:** September 1<sup>st</sup>, 2020

#### **Selected goals of the project:**

Within the project we study transfer of photon energy through silver nanowires which can be used to activate and deactivate photoactive materials attached to the wire. The studies processes can be useful in photocatalysis, energy conversion, sensing, etc.

Description of scientific interests of the Team of Photocatalysis and a brief project description can be found at [www.photocatalysis.eu](http://www.photocatalysis.eu) or <http://fotokataliza.pl/opus-14/>

#### **Profile of candidates:**

- ✓ doctor degree in chemistry or related disciplines (*e.g.*, materials science)
- ✓ relevant scientific achievements
- ✓ active participation in scientific community manifested, in particular, in the form of presentations at international conferences
- ✓ experience in heterogeneous photocatalysis and photochemistry, with a particular emphasis on mechanisms of photoinduced charge and energy transfer processes
- ✓ knowledge of photochemical and spectroscopic methods
- ✓ experience in the synthesis of organic compounds and inorganic materials
- ✓ ability to construct research equipment

#### **Required documents:**

- ✓ application
- ✓ curriculum vitae including: list of awards, papers, conference presentations, trainings
- ✓ personal data form for the person applying for employment
- ✓ degree certificates
- ✓ self-presentation including the most important research fields and scientific achievements of the candidate
- ✓ list of publications
- ✓ reviews of the doctoral dissertation
- ✓ for Polish applicants: the form of the last periodic evaluation, if the candidate was subject to such an evaluation
- ✓ opinion of the head of the department or scientific supervisor
- ✓ personal data processing information for job applicants

**Principal Investigator:** prof. dr hab. Wojciech Macyk

**Address for applications:** macyk@chemia.uj.edu.pl

**Closing date:** July 29<sup>th</sup>, 2020

We thank all candidates for their interests. We will contact with the best candidates only.