JOB OFFER

Position in the project:	Post-doctoral associate
Scientific discipline:	Chemistry
Job type (employment contract/stipend):	employment contract
Number of job offers:	4
Remuneration/stipend amount/month *("X0 000 PLN of full remuneration cost, i.e. expected net salary at X 000 PLN"):*	*full remuneration cost of 9 000 PLN per month, i.e. expected net salary at ca. 5 700 PLN per month (year average)*
Position starts on:	2018/10
Maximum period of contract/stipend agreement:	36 months
Institution:	Faculty of Chemistry, University of Wrocław, Poland
Project leader:	Prof. Marcin Stępień
Project title:	***Donor-Acceptor Oligopyrroles for Energy and Electron Transfer. From Aromatic Nanohoops to Photodynamic Therapy*** ***Project carried out within the TEAM programme of the Foundation for Polish Science***
Project description:	We plan to develop new oligopyrrole chromophores by means of the recently introduced modular strategy based on donor-acceptor pyrrole building blocks (lead papers: *J. Am. Chem. Soc.* **2016**, *138*, 11390; *Angew. Chem. Int. Ed.* **2016**, *55*, 14658–14662). The synthesis of new building blocks will be pursued, notably low-bandgap systems with extended pi conjugation. By combining different building blocks and substitution patterns, we want to create new systems based on porphyrin, hexapyrrolohexaazacoronene, hexapyrrolylbenzene, and other oligopyrrole motifs. The new systems will be explored for their optical and electronic properties, such as (a) excited-state symmetry breaking, (b) energy and electron transfer in multichromophore assemblies, (c) formation of electroactive ladder polymers, and (d) triplet generation for use in antimicrobial photodynamic therapy.
Key responsibilities include:	1. Synthesis of new pyrrole building blocks 2. Design, synthesis, and characterization of oligopyrrole targets 3. Collaboration with partner laboratories.
Profile of candidates/requirements:	1. Multistep organic synthesis 2. Design and planning of complex synthetic sequences 3. Aromatic/functional dye chemistry 4. Spectroscopic methods 5. Physical organic chemistry of organic dyes 6. Fluency in English
Required documents:	1. CV 2. Photocopy of the most recent diploma 3. Research profile (up to 3 A4 pages, excluding references) 4. Up to 3 most important papers co-authored by the candidate 5. 2 reference contacts
We offer:	• An interdisciplinary project, combining elements of organic chemistry, spectroscopy, electrochemistry, and

	photodynamic therapy. • A creative approach to research. • A friendly and supportive environment.
Please submit the following documents to:	Prof. Marcin Stępień, using the following online form: https://goo.gl/forms/f18VHA9UuO12nSra2 (applications sent via e-mail will not be considered)
Application deadline:	2018.08.15
For more details about the position please visit (website/webpage address):	http://www.mstepien.edu.pl
Euraxess job/stipend offer (in case of PhD and postdoc positions):	https://euraxess.ec.europa.eu/jobs/323587

Due to the entry into force of Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016, we also require that your job advertisements include a clause requesting the candidate's consent to the processing of his or her personal data by the institution which carries out the recruitment process.