JOB OFFER

Position in the project:	MSc / postgraduate student
Scientific discipline:	Organic chemistry, bioorganic chemistry, chemical biology, bioanalytical chemistry
Job type (employment contract/stipend):	stipend
Number of job offers:	1
Remuneration/stipend amount/month *("X0 000 PLN of full remuneration cost, i.e. expected net salary at X 000 PLN"):*	1500 PLN per month (tax free)
Position starts on:	15.01.2020
Maximum period of contract/stipend agreement:	until the end of the project implementation period (30.06.2020)
Institution:	Institute of Bioorganic Chemistry, Polish Academy of Sciences
Project leader:	Dr Jacek L. Kolanowski
Project title:	*MultiGATE: dual-analyte responsive fluorescent probes for a real-time multi-parametric sensing in cellular models* ***Project is carried out within the HOMING programme of the Foundation for Polish Science***
Project description:	Fluorescent probes allow for the visualization of chemistry in live cells with great spatial and temporal resolution, and as such have played important role in at least 3 Nobel Prize-awarded discoveries in the last 10 years. Current probes focus primarily on the detection of single analytes, which is unable to capture the molecular complexity and heterogeneity of biological environments. The objective of this work is therefore to develop a new technology in the form of multi-analyte fluorescent probes to more reliably visualise the molecular diversity of living systems. These unique tools will be used to unravel the poorly understood biochemical differences between different types and stages of prostate cancer and therefore help improve diagnostic reliability and treatment efficacy of the disease, bringing the society closer to applying personalized medicine in the treatment of this and other diseases. Over 95% of reported fluorescent probes are used only once and then never again, mainly due to their insufficient characterization, poor performance and a lack of collaboration with the end users – biologists. Therefore, in our laboratory, we perform all stages of probes development, from the design, to the synthesis and characterization in vitro, to validation in live cells. By working closely with biologists to apply our probes in many different models, we aim at making a real difference in the scientific progress and its practical impact on the everyday life.
Key responsibilities include:	1. Work on selected aspects of the project under supervision, including particularly organic synthesis and/or in vitro characterization of the probes and their response (occasionally also cell culture, validation of the probes in 2D and 3D cellular models and/or imaging of biochemical parameters in various cancer cell lines) 2. Reading scientific literature and applying published protocols 3. Regular reporting of the results to the supervisor and during group meetings as oral presentations

	4. Analysis of the results and their preparation for publication
Profile of candidates/requirements:	1. BSc or equivalent in chemistry or similar 2. Practical experience in organic synthesis 3. Practical experience and theoretical knowledge on working with fluorescent compounds (and fluorescent probes) 4. Willingness to develop practical skills in spectroscopy, bioanalytical chemistry and/or cell culture and/or imaging (practical skills in these areas will be an advantage) 5. Genuine interest in interdisciplinary research from the interface of chemistry and biology 6. Hard working and enthusiastic 7. Strong interpersonal skills and the ability to work in the team 8. Very good English language skills (in writing and speech) 9. Advanced use of MS Excel and data processing software will be an advantage
Required documents:	1. Application letter addressed to the Director of IBCH PAS containing the following statement: *"I hereby give consent for my personal data included in my application to be processed for the purposes of the recruitment process under the Personal Data Protection Act as of 29 August 1997, consolidated text: Journal of Laws 2016, item 922 as amended."* 2. CV 3. Motivation letter (including previous experience in projects from organic synthesis and brief professional plans for the next 2-3 years) 4. At least 1 reference letter and contact details of at least 2 potential referees (including at least one of the supervisors of the practical project in chemical synthesis) 5. Copy of the BSc diploma or equivalent 6. Academic transcript including at least names of the courses with final individual marks for each of them as well as overall score and ranking 7. Other relevant attachments (optional)
We offer:	- Interdisciplinary research topic at the forefront of chemical biology - Learning a wide variety of state-of-the-art techniques from chemistry and biology - **International experience** (e.g. possibility of short-term laboratorial experience in Australia or Europe**,** participation in a scientific conference, working with international research partners from 5 continents) - **Mentorship** in soft-skills and career development (and co-mentorship of one of the best Early Career Scientists in Australia) - Tax-free stipend and good working environment in a **low-cost city** (approx. prices in Poznan are: room approx. 120 EUR/month, studio: approx. 300 EUR/month, monthly public transport: approx. 15 EUR – reduced fare) - Opportunities for outreach
Please submit the following documents through:	*Link do portalu e-recruiter* https://system.erecruiter.pl/FormTemplates/RecruitmentForm.aspx?WebID=2cf0274c1dfb4a76b39835e0d182fd9c
Application deadline:	31.12.2019
For more details about the position please visit (website/webpage address):	http://jacek-kolanowski.com

Euraxess job/stipend offer (in case of PhD and postdoc positions):	https://www.euraxess.pl/jobs/472380

Please include in your offer:

Information clause:
Pursuant to the stipulations of the regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation), further referred to as GDPR, we hereby inform that:

- *The Institute of Bioorganic Chemistry, Polish Academy of Sciences, seated in Noskowskiego St. 12/14, 61-704 Poznan; REGON 000849327, NIP 777-00-02-062 is the administrator of the collected personal data (further referred to as the Institute).*
- *The Administrator appointed a Data Protection Officer, who can be contacted in writing, via traditional mail, by sending a letter to the following address: Z. Noskowskiego St. 12/14, 61-704 Poznan, or by sending an e-mail to: dpo@ibch.poznan.pl.*
- *The personal data of the candidates is processed for the purposes of fulfilling the tasks of the administrator, associated with conducting the recruitment procedure for a vacant position.*
- *The legal basis for processing personal data is the Act of 26 June 1974 – The Labor Code, Act of 30 April 2010 on the Polish Academy of Sciences or the consent of the person whose data shall be subjected to processing.*
- *Your personal data shall be subjected to processing for period of 3 months upon the date of decision of the recruitment committee. Following this period, the data will be irretrievably and effectively destroyed.*
- *The personal data of the candidates shall not be transferred to any third country.*
- *The person whose data shall be subjected to processing has the right to:*
    - *request access to his/her personal data, and to amend it or delete it, pursuant to articles 15-17 of GDPR;*
    - *limit data processing, in the events stipulated in article 18 of GDPR;*
    - *data transferring, pursuant to article 20 of GDPR;*
    - *withdraw consent at any moment, without influencing compliance with the law of the processing that was executed prior to consent withdrawal;*
    - *file a complaint to the Inspector General for Personal Data Protection.*

Providing personal data in the scope stipulated in article 22 (1) of the Act of 26 June 1974 – The Labor Code is mandatory, whereas providing data in a broader scope is voluntary and requires consent for its processing.