

JOB OFFER

Position in the project:	postdoc
Scientific discipline:	systems biology
Job type (employment contract/stipend):	contract
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”):	6000-8700 net (8500-12400 gross) depending on experience
Position starts on:	Negotiable, preferably May 2018
Maximum period of contract/stipend agreement:	3 years (including 3 months probation period)
Institution:	Institute of Fundamental Technological Research, Polish Academy of Sciences
Project leader:	Dr. Michal Komorowski
Project title:	<i>Deciphering of biochemical signaling to inform more efficient therapeutic strategies</i> <i>Project is carried out within the First Team grant of the Foundation for Polish Science</i>
Project description:	The overall molecular and biochemical mechanisms how individual cells transduce signals to effectors are widely understood. Biochemical descriptions, however, do not directly lead to understanding how the stimuli are translated into distinct responses as signalling processes are immensely complex. The main goal of this project is to improve our understanding how cellular signaling processes can derive a variety of distinct outputs from complex inputs. To achieve this we will use an integrative approach that links tailored experiments with mathematical analysis. We will use interferon signaling as a model system to challenge the conventional concept of distinct signaling pathways that link signals with specific cellular responses. Further, we will explore our findings to examine how the interferon pathway can be therapeutically exploited in the context of anticancer therapies.
Key responsibilities include:	<ol style="list-style-type: none"> 1. Performing wet lab research, specifically: <ol style="list-style-type: none"> 2. Single cell experimentation aimed at quantification of interferon responses using a variety of experimental techniques 3. Design of experiments 4. Derivation of reporter cell lines 5. Manuscript preparations 6. Supervision of PhD students
Profile of candidates/requirements:	<ol style="list-style-type: none"> 1. Background in biology, biotechnology or related field 2. Proven record of experience in fluorescence microscopy imaging (widefield/confocal / TIRF), flow cytometry, immunostaining 3. Motivation and skills to perform independent research 4. Good writing and science communication skills

	5. At least one first author publication in a reputable journal
Required documents:	<ol style="list-style-type: none"> 1. Motivation letter 2. CV including list of publications 3. Two reference letters 4. Copy of PhD certificate
We offer:	<ol style="list-style-type: none"> 1. Exciting research tasks 2. International collaborations 3. Support to develop new skills 4. Support in application for additional funding and scholarships 5. Creative, innovative and friendly work environment
Please submit the following documents to:	contact@sysbiosig.org
Application deadline:	20.04.2018
For more details about the position please visit (website/webpage address):	sysbiosig.org or email m.komorowski@sysbiosig.org
Euraxess job/stipend offer (in case of PhD and postdoc positions):	

Please include in your offer:

“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.”