

**Call for applications for the position of Post-doctoral Investigator, Institute of  
Biochemistry and Biophysics Pol. Acad. Sci. Warsaw, Poland  
Project OPUS entitled: 'Novel nodes in isoprenoid biosynthesis:  
interplay between cis-prenyltransferases and their cellular regulators in Arabidopsis'  
financed by the National Science Centre of Poland**

The project aims at depiction of the signals regulating biochemical pathways leading to formation of polyisoprenoid lipids. Polyisoprenoids are involved in vital cellular processes such as protein glycosylation and cell defense against stress. The key players in polyisoprenoid biosynthesis are *cis*-prenyltransferases (CPT), enzymes catalyzing formation of their hydrocarbon skeleton from isopentenyl diphosphate (IPP) which in plant cells originates from the plastidial methylerythritoyl phosphate (MEP) and cytoplasmic mevalonate (MVA) pathways.

*Arabidopsis thaliana* will be used as a model to elucidate the role of protein kinases in the regulation of AtCPT enzymatic activity, the role of ABA and transcription factors in signaling pathways regulating AtCPT transcription and 'cross-talk' between the MEP and MVA pathways. The main goal of the project is to provide a comprehensive model of regulation of polyisoprenoid biosynthetic machinery in eukaryotic cells, which is not yet described in any biological system.

Principal investigator: Ewa Swiezewska, PhD, professor in biochemistry

Contract of employment: up to 36 months

Position available from: October 15, 2013

The eligible candidate should hold a Philosophy Doctor degree (or equivalent) in biology, biotechnology or a related field. Additionally, competence in methods of molecular biology (preferably plant), fluent English and professional independence are required.

Following documents should be provided by the candidate:

- curriculum vitae
- list of published papers and conference abstracts
- letter of motivation
- letter of recommendation provided by the PhD thesis supervisor
- reports of the reviewers on the candidate's PhD thesis
- copy of PhD diploma

*First step of evaluation* - an independent Admission Committee will consist of 2 senior scientist from IBB PAS and the project Principal Investigator. All applications will be evaluated by the Admission Committee using the following criteria

- scientific achievements
- scientific training - postdoctoral training and others
- any other professional experience and qualifications/skills that may have an additional value for the execution of the project

Based on the results of the evaluation top candidates (at least two persons) will be selected for the second step of evaluation.

*Second step of evaluation* - candidates selected by the Admission Committee will be invited for an interview.

**Top candidate will be selected and nominated as an Investigator for the project.**

All the candidates will receive feedback information concerning the results of the competition.

**Applicants are requested to send their applications (in pdf format) till October 4, 2013 to [kasiarog@ibb.waw.pl](mailto:kasiarog@ibb.waw.pl)**