Institute of Biochemistry and Biophysics
Polish Academy of Sciences

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A PhD student position is available in the Sarnowski LAB, Department of Protein Biosynthesis, Institute of Biochemistry and Biophysics of Polish Academy of Science.

We are looking for a highly motivated candidate who would like to work in the frame of OPUS project "Analysis of functional interdependence between organ-specific choice of alternative transcription start site (altTSS) and SWI/SNF dependent chromatin remodeling in Arabidopsis" under the supervision of dr Szymon Kubala.

Recent discoveries, reached by coupled biochemical, genetic, genomic and molecular biology studies greatly improved the understanding of the ATP dependent SWI/SNF complexes role in gene transcription and alternative splicing regulation however the function of these complexes in formation of alternative transcripts in organ- dependent manner resulting from alternative transcription start site (altTSS) usage is not yet discovered. Our preliminary results indicated that Arabidopsis SWI/SNF complex is located in TSS and altTSS. The loss of SWI/SNF function results in changes of nucleosomes occupancy at TSS and altTSS. Moreover, we showed that Arabidopsis SWI/SNF complexes are involved in the control of proper, organ-specific gene expression pattern. These results indicated that SWI/SNF complex can be involved in regulation of alternative transcripts formation through organ-specific choice of alternative transcription start site (altTSS). Thus, the main goal of the ongoing project is to understand the molecular mechanisms of SWI/SNF complex function in regulation of alternative transcription by organ-specific altTSS choice in the model plant Arabidopsis. The project is carried out in the frame of OPUS programme of National Science Centre.

Stipend amount:	**Position start on:**	**Maximum period of stipend agreement:**
3500 PLN/month	01-03-2019	36 months

Profile of candidate/requirements:

1. Master degree in biology, biochemistry, biotechnology or other related life science discipline.
2. English good to very good.
3. Basic knowledge in chromatin remodeling, transcriptional control, alternative transcription.
4. Experience in experimental research (ChIPseq, RNAseq, MNase-seq etc.) is welcome.
5. Ability to work independently as well as in a team. Ability to analyze data and draw conclusions.
6. Work with agreement of scientific ethic and good practice in laboratory work.
7. Good communication skills with other Lab members, motivation for work, passion for science, creativity.
8. The research publications are welcome.

Required documents:

1. CV including scientific achievements, short description of research project(s) conducted so far, list of known/used methods by the applicant, any other relevant information (prizes, honors, IT skills).
2. Copy of MSc diploma or any other document which confirms MSc promotion.
3. List of academic grades (diploma supplement), if available.
4. Contact information for at least one professional reference.

5. Optional documents: reference letter(s), motivation letter - summary and relevance of your current research and why you are interested in the position (maximum 1 page, Calibri, 12 pts).
6. All documents (written in English or Polish) should be merged into one pdf file. The file should be named as follows: Last name First name_CV.pdf Please submit following document to: szymon.globus@ibb.waw.pl

Selection process:

Application deadline is 15-02-2019, 24:00:00 (local time). Applications submitted after the deadline will be still considered if positions are not filed. Selected candidates will be invited for interview. Position will not start before signing the agreement by NCN.

Please include in your offer:

I hereby give my consent for the processing of my personal data by the Institute of Biochemistry and Biophysics PAS with its seat in Warsaw Pawińskiego 5a, 02-106 hereinafter referred to as the Institute for the purpose of the recruitment process and for future recruitment processes conducted by the Institute under Art. 23 ust 1 pkt 1 of the Personal Data Protection Act dated on 29 August 1997, consolidated text: Journal of Laws 2016, item 922 with further amendments and under Art. 6 ust.1 lit. a of 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 GDPR (Dz. U. UE. L. z 2016 r. Nr 119.).