



Institute of Biochemistry and Biophysics

Polish Academy of Sciences

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A master 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:	Position start on:	Maximum period of stipend agreement:
1000 PLN/month	01-03-2019	18 months

Profile of candidate/requirements:

1. The successful candidate must have the status of a 2nd degree student or a student of an equivalent programme at a Polish unit (biology, biotechnology or other related life science discipline).
2. Passion for science, creativity, motivation for work.
3. Interest in various life science disciplines including chromatin/epigenetics-related methodology would be an advantage.
4. Work with agreement of scientific ethic.
5. Good communication skills with others Lab members.
6. English good.

Required documents:

1. CV including scientific achievements, short description of research activities conducted so far (if applicable), list of known/used methods by the applicant, results of academic exams (indicate basic/advanced level), participation in any scientific competitions, any other relevant information (prizes, honors, IT skills).
2. Optional documents: reference letter, motivation letter – why do you study biology, what has been your favorite academic course (why?), what are your future plans, are you going to continue your scientific career? (maximum 1 page, Calibri, 12 pts)
3. 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 20-02-2019, 24:00:00 (local time). Applications submitted after the deadline will be still considered if positions are not filled. 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.).