

Institute of Biochemistry and Biophysics Polish Academy of Sciences in Warsaw seeks postdoctoral researcher for the execution of OPUS scientific project entitled: “Identification of the interdependence between SWI/SNF-type chromatin remodelling complex, metabolism control and RNA modification in salivary gland cystic carcinoma as a basis for a new targeted therapy” financed by the National Science Centre

Entity: Institute of Biochemistry and Biophysics Polish Academy of Sciences; Laboratory of Gene Expression Regulation headed by prof IBB, dr hab. Tomasz Sarnowski

Nature of contribution to the project: postdoctoral researcher

Scientific discipline: Biological sciences

Project description: Our research shows that salivary gland adenoid cystic carcinoma (ACC) is characterized by overexpression of proteins that are components of the multi-protein SWI/SNF complex responsible for triggering the expression of many genes. It is interesting that in the most of cancers these proteins are significantly less abundant, which causes disorders in the number of complexes and deregulation of expression of various genes. Interestingly, in these tumors, in addition to deregulation of SWI/SNF complexes, we also observe disorders in alternative mRNA splicing. Our molecular studies have shown that the proteins responsible for splicing interact directly with the SWI/SNF complex. In addition, we have observed that this complex also interacts with proteins that impose m6A modification on RNA, so called ‘writers’. Therefore, the planned study of the interactions and interdependences between the SWI/SNF complex, metabolism, alternative splicing and RNA modifying complex will allow to learn about molecular mechanisms of regulation of gene expression at various levels in ACC and select potential targets for innovative combined therapy including use of so called epidrugs-compounds inactivating such protein machineries as i.e. SWI/SNF complex.

The postdoctoral researcher will be involved in the execution of the main aims of the project and will be responsible for conducting experimental and analytical tasks of the project.

Lab webpage: <https://ibb.edu.pl/pracowania-badawcza/tomasz-j-sarnowski/>

The anticipated average salary (employment): brutto 7500 PLN/month (+ one additional salary annually) for 36 months.

Requirements for the candidates:

- PhD in one of the life sciences discipline for not more than 7 years before the position starts.
- scientific achievements
- experience in work with cell lines, chromatin/DNA field, metabolism in cancer and with various scientific models
- independent thinking in experiment designing
- high capability in managing several projects in parallel
- willingness to collaborate with other scientists and foreign laboratories
- English language skill

Required documents:

- Scientific CV
- Motivation letter with background, justification of the matching to the project (1 page max)
- Copy of PhD diploma or official confirmation of PhD degree award
- Letter of support from the PhD thesis supervisor
- All files should be merged into a single pdf file.

We restrict the right to contact only selected applicants.

Selected candidates will be appointed to an interview including a short (10 min.) ppt presentation about their scientific achievements (online). The exact date for the interview will be set later.

On the basis of the results of Stage two the positions will be offered to candidates.

Deadline for submitting document: 31.08.2021

The position starting date: 1 October or 1 November 2021

The complete applications should be sent to the Principal Investigator of the project:
tsarn@ibb.waw.pl (Tomasz Sarnowski) in the subject include "Post-Doc" and your first and last name.

Please include the following statement in your application: 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)"

Applications submitted after the deadline will be still considered if the position is not filled