



Position for Postdoctoral researcher

The Institute of Biochemistry and Biophysics PAS, the Laboratory of Genome Engineering headed by Prof. Matthias Bochtler seeks a postdoctoral researcher to join the project entitled **“Dissecting DNA Maintenance Methylation in Mammals: Fidelity, Timing and Instructive Cues”**. The project is funded by the Polish National Science Centre under grant 2018/30/Q/NZ2/00669.

Job description

The project is focused on the fidelity and timing of DNA methylation in mammalian cells, and on the contributions of various instructive cues influencing the process. The project aims to study the maintenance of DNA methylation at the single cell level, and to characterize its timing and fidelity using DNA hairpin approaches. The project will also investigate the role of DNA demethylation in the maintenance of methylation fidelity, and test for the predictions of the currently prevalent model in cells (rather than only in vitro). The project is funded under the framework of the NCN SHENG scheme, and will be carried out in collaboration with Prof. Jiemin Wong of East China Normal University in Shanghai (<http://www.biomed.ecnu.edu.cn/biomeden/wepartments/list.htm>).

Requirements for the candidate:

Postdoc candidates must hold a PhD degree in natural sciences, obtained no earlier than March 1st, 2018 (NCN rules for post-doc positions apply).

The ideal candidate should have experience with high throughput sequencing approaches (Nanopore and Illumina) and machine learning routines. Prior experience with linux operating system, R and/or python and pipelines for high throughput sequencing data analysis, as well as basic understanding of statistics are mandatory. Experience with base modification calling in the Nanopore data would be an asset, but could also be acquired on the job.

We offer:

1. Full employment contract for 6 months, gross monthly salary of 8 795,00 PLN
2. Benefits including reduced-rate for a membership in MultiSport programme, first-contact physician on site and on-line language courses

The deadline for applications is **February 25th 2024**. The job starting date is March 1st 2024.

How to apply:

- **Apply now to** hczapinska@iimcb.gov.pl
- In the subject include **"PostDoc"** and your first and last name.
- Your application must be submitted in English and should contain:
 - Motivation letter
 - CV including scientific achievements and a short description of used methodology
 - **Please include the following statement in your application:** “In accordance with the personal data protection act from 29th August 1997, I hereby agree to process and to store my personal data by the Institution for recruitment purposes.”