

## FORM FOR EMPLOYERS

INSTITUTION: Institute of Medical Biology of the Polish Academy of Science

CITY: Lodz, Poland

POSITION: Post-Doctoral Research Associate

DISCIPLINE: Cell Biology

POSTED: 3.06.2024

EXPIRES: 31.07.2024

WEBSITE: [www.ibmpan.pl](http://www.ibmpan.pl)

KEY WORDS meiosis, mitosis, cancer, germ cell cancer genes, synaptonemal complex

### General information about employment conditions:

#### Project title: Investigating the role of meiotic synaptonemal complex proteins in cancer

Modern therapeutics have improved outcomes for patients with many cancers, however more than 166,000 people die from cancer in the UK each year. **Therapy resistance and the resulting treatment failure is responsible for 90% of these deaths.** Our research focuses on the meiotic synaptonemal complex (SC), a ‘molecular zipper’ that pulls homologous chromosomes together allowing recombination and genetic rearrangements during meiosis. However, silencing SC genes is critical for healthy mitosis and genome integrity. The goal of this project is to determine how SC genes become re-activated in cancer and which chemotherapeutics trigger this. You will also determine the role of SC proteins in cancer and the impact of their re-activation on drug resistance to validate SC proteins as a druggable targets.

1. Position: Post-Doctoral Research Associate (post-doc type position).
2. Employment status: Full time five years position
3. Organisational unit of the Institute: Laboratory of Cell Cycle Regulation, IMB PAS.

#### Qualification requirements:

1. Education: PhD
2. Degree in: cell biology, molecular biology, biochemistry, genetics
3. Professional experience: We are seeking a candidate who has either completed their PhD or is in the final stages of completion
4. Professional skills: Experience with mammalian cell culture and molecular biology

#### Employment structure:

Direct superior: Post-Doc will be based in the laboratory of cell cycle regulation led by Dr Urszula McClurg

**Employment aims and tasks:**

1. To determine how expression of meiotic synaptonemal complex genes is regulated in somatic cells
2. To characterise the role of synaptonemal complex proteins in cancer

**List of required documents:**

Candidates are required to provide the following documents:

- professional CV including information relevant to the post, and a list of scientific publications;
- cover letter;
- reference letter with an appraisal of professional skills, written by the PhD supervisor or other scientific researcher with a PhD who has supervised the candidate
- copy of the doctoral degree diploma,
- following declaration:

*„I declare having read and understood the content of Regulations on grant allocation for tasks funded by the National Science Centre concerning scientific projects and I fulfil the conditions of employment in a post-doc type position listed in these Regulations”*  
(Regulations can be found at: [https://ncn.gov.pl/sites/default/files/pliki/uchwaly-rady/2020/uchwala35\\_2020-zal1.pdf](https://ncn.gov.pl/sites/default/files/pliki/uchwaly-rady/2020/uchwala35_2020-zal1.pdf))

Please make sure to include the following agreement statement as a separate file:

*„I hereby give consent to the processing and storage of my personal data included in my job application for the purposes of the recruitment process in accordance with the Regulation of the European Parliament and of the Council (EU) 2016/679 of 26 April 2016 on the protection of individuals with regard to the processing of personal data and on the free movement of such data and the repeal of Directive 95/46/EC”.*

FULL NAME ..... DATE .....

Applications without this GDPR statement will not be considered. Applications should be submitted in one copy until **July 31<sup>st</sup>, 2024**, at the following postal address:

**Instytut Biologii Medycznej PAN**

**ul. Lodowa 106**

**93-232 Łódź**

with the annotation: *„Recruitment for the research assistant position-offer no. 1/2024/SONATA-BIS-13”* or electronically to the email address: [mjelinska@cbm.pan.pl](mailto:mjelinska@cbm.pan.pl)

**Assessment and outcome announcement**

After initial verification and assessment of documents, selected candidates will be invited to an interview.

Planned date of interviews is **August 21<sup>st</sup> 2024**.

Recruitment interviews will be held in person or using electronic communication platforms.

On **August 22<sup>th</sup> 2024**, results of the recruitment procedure will be published. Subsequently, the successful applicant will be put forward to the Human Resources Department of the Institute for contract drafting prior to commencing the employment contract.

Recruitment organisers reserve the right to contact only select candidates after verification of submitted documents and they reserve the right to reject all submitted offers if the recruitment

committee judges the qualification of all candidates to be insufficient. We also inform that submitted documents will not be returned to the applicants.

**Additional information may be obtained from Dr Urszula McClurg ([umcclurg@cbm.pan.pl](mailto:umcclurg@cbm.pan.pl))**