



UNIwersytet  
JAGIELLOŃSKI  
W KRAKOWIE



Małopolskie  
Centrum  
Biotechnologii

## Assistant Professor (Post-doc) at Jagiellonian University (f/m/d)

### Location:

Kraków (Poland)

### Salary:

Monthly salary of 8000-12000 PLN gross, depending on experience

### Closing date:

6th February 2024

### Description of the Centre

The Dioscuri Centre for Modelling of Posttranslational Modifications is a partner group of the Theoretical Biophysics Department at the Max Planck Institute of Biophysics. While group is based in Poland, it maintains strong connections with the Institute of Biophysics and the Max Planck Society.

### Description of the position:

The Dioscuri Centre for Modelling of Posttranslational Modifications is looking for researchers willing to join our group and explore the interactions between glycoproteins and the extracellular matrix (ECM) components. The successful candidate will develop computational tools, build molecular models and perform large-scale molecular dynamics simulations to understand how glycans affect membrane protein dynamics under the confinement of ECM.

**We offer** stimulating and open work environment, competitive salary, cutting-edge computing resources, multi-national and multi-disciplinary team, close collaboration with the Theoretical Biophysics department at the Max Planck Institute of Biophysics in Frankfurt, Germany, numerous social benefits.

### Requirements:

PhD in biophysics, computational biology, chemistry, bioinformatics, or a related field. Experience in performing molecular dynamics / Monte Carlo / docking simulations, as well as experience in constructing models of large biomolecular complexes. Familiarity with Unix and programming experience (python, bash) is essential. Knowledge of cell biology, glycobiology and experience in large-scale simulations are welcome.

Applications should include a motivation letter with curriculum vitae and contact information to two references.

For details of the application, please see:

[https://mcb.uj.edu.pl/en\\_GB/oferty-pracy/-/journal\\_content/56\\_INSTANCE\\_WbR3ltHEfYue/150912362/155177155](https://mcb.uj.edu.pl/en_GB/oferty-pracy/-/journal_content/56_INSTANCE_WbR3ltHEfYue/150912362/155177155)

Further information may be obtained from Dr. Mateusz (Matt) Sikora, ([mateusz.sikora@uj.edu.pl](mailto:mateusz.sikora@uj.edu.pl)), Group leader, Dioscuri Centre for Modelling of Posttranslational Modifications at Jagiellonian University.

*The Malopolska Centre of Biotechnology and the Dioscuri Centre strive to ensure a workplace with equal opportunities. We celebrate diversity and are committed to creating an inclusive environment for all members irrespective of gender, nationality or disabilities.*

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