



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

Location:

Kraków (Poland)

Salary:

Monthly salary of 11 000 – 14 000 PLN gross, depending on experience

Closing date:

22nd April 2024

Description of the position:

The Dioscuri Centre for Modelling of Posttranslational Modifications is looking for researcher willing to join our group and explore:

- 1) How glycosylation modulates protein thermal stability and conformational dynamics
- 2) Entropic contributions of glycans to protein ligand binding and allosteric regulation.
- 3) The impact of glycan-glycan and glycan-protein proximity on molecular interactions and membrane remodeling effects.

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.

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:

- A PhD degree in biophysics, physical chemistry, computational biology, chemistry, bioinformatics, or a closely related field.
- Experience in molecular dynamics simulations, enhanced sampling methods, simulations of dynamic and flexible systems.
- Familiarity with Unix/Linux environments and proven programming skills (Python, bash) are essential.
- Basic understanding of glycobiology, biophysical methods (especially DSC, NMR), and experience in analyzing large simulation datasets will be advantageous.

Applications should include list of publications, please provide electronic versions for non-open access publications.

For details of the application, please see:

https://mcb.uj.edu.pl/en_GB/oferty-pracy/-/journal_content/56_INSTANCE_WbR3ItHEfYue/150912362/158306950



Further information may be obtained from Dr. Mateusz (Matt) Sikora, (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.

