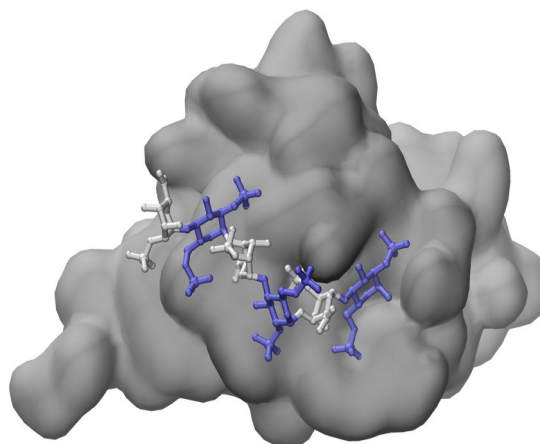


Postdoctoral Researcher position

Project: “Mechanistic insights into the specificity of glycosaminoglycan interactions with regulatory proteins”.

The goal: is to understand molecular basis of the specificity in protein-glycosaminoglycan interactions by means of molecular modeling approaches, some of which will be developed in this study. The work will be carried out within intensive collaborations with NMR experiments performed on same molecular systems at the University of Leipzig. The result of this research will serve to guide the design of new methods for tissue regeneration and healing.



The Location: Faculty of Chemistry, University of Gdańsk, Gdańsk, Poland.

Requirements:

- PhD in Physics/Chemistry/Biology/Computer Sciences;
- solid experience with modeling techniques as molecular docking, molecular dynamics of biomolecular systems; experience with protein-carbohydrate systems is an advantage;
- solid experience with Linux environment; experience with scripting (python, bash, awk, R);
- interest in the interdisciplinary aspect of the project;
- proficiency in written and spoken English;
- excellent presenting and communication skills.

Research tasks:

- molecular docking of glycosaminoglycans and their mimetics;
- molecular dynamics-based analysis of protein-glycosaminoglycan, protein-small molecules, protein-DNA/RNA systems;
- Participation in writing publications and presentation of the results at scientific meetings.

Financial source: BEETHOVEN CLASSIC Grant from the The National Science Centre of Poland.

Terms of employment: full time employment until the May 2024, salary: 10 000 PLN/month (brutto brutto).

Application deadline: 20.06.2023.

Starting date: 01.08.2023.

Collaborations: University of Leipzig (Research Group of prof. Daniel Huster).

How to apply: CV should be provided to dr hab. Sergey Samsonov via e-mail sergey.samsonov@ug.edu.pl with the topic “Postdoctoral Researcher, BEETHOVEN CLASSIC” until 20.06.2023.