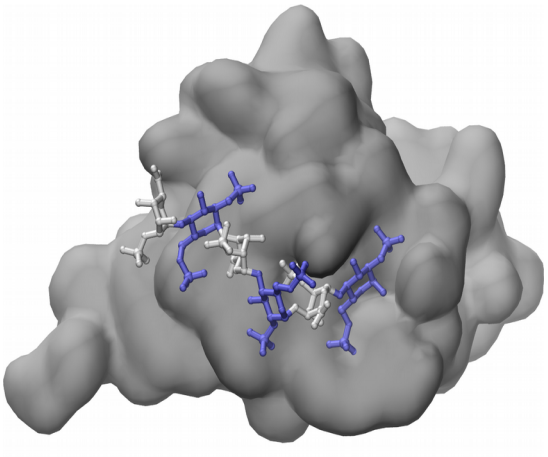
PhD student position

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:
– Master in Physics/Chemistry/Biology/Computer Sciences or related areas;
– experience with modeling techniques is an advantage;
– experience with Linux environment and scripting is an advantage;
– interest in the interdisciplinary aspect of the project;
– motivation, creativity, liability, ability to work both independently and as a part of the team;
– good command of English.

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: PhD student position is supposed to be funded by the grant for 3 years with the fellowship of 54 000 PLN/year (brutto brutto).

Application deadline: 30.06.2020.

Starting date: 31.08.2020.

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

How to apply: CV and contact data of two referees should be provided to dr hab. Sergey Samsonov via e-mail sergey.samsonov@ug.edu.pl with the topic “PhD Student, BEETHOVEN CLASSIC” until 30.06.2020.