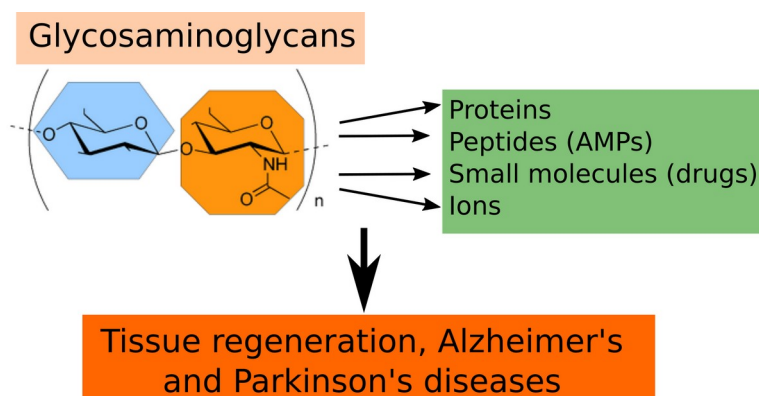


Student position

Project: “Modeling of glycosaminoglycan-induced formation of protein structure and enhancement of biologically relevant protein-ligand interactions”.

The goal: is to determine the role of glycosaminoglycans (GAGs) in the mediation of biologically relevant protein-ligand interactions by means of molecular modeling approaches, some of which will be developed in this study for the GAG containing systems. 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:

- Student in Physics/Chemistry/Biology/Computer Sciences or related areas
- Experience with modeling techniques, Linux environment and scripting is advantageous
- 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 and molecular dynamics-based analysis of GAG interactions with proteins, peptides, small molecules and ions
- Contribution to the development of GAG-related computational methodology
- Participation in writing publications and presentation of the results at scientific meetings

Financial source: SONATA BIS Grant from the The National Science Centre of Poland

Application deadline: 20.06.2023

Starting date: 01.08.2023

Collaborations: University of Lyon

How to apply: CV should be provided to dr hab. Sergey Samsonov via e-mail sergey.samsonov@ug.edu.pl with the topic “Student, Sonata BIS”.