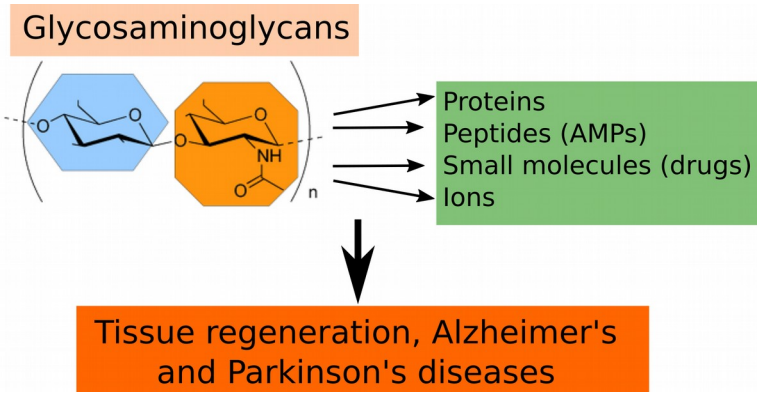
PhD student position

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

The project is an extension and consequent continuation of the actual project www.prot-gag.org

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:
– Master 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

Salary: PhD fellowship for 4 years including 3 months trial time, 4000 PLN (~ 930 Euro) netto

Application deadline: 31.07.2019

Starting date: 01.10.2019

Collaborations: Universities of Leipzig, Tours, Lyon, Gdańsk, Hungarian Academy of Sciences, and Technical University of Munich.

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, Sonata BIS”.