

Curriculum Vitae

Małgorzata Marzena Kogut

Research experience:

04.2020 – now: PhD student in the framework of NCN Sonata Bis 8 project: „Modeling of glycosaminoglycan-induced formation of protein structure and enhancement of biologically relevant protein-ligand interactions”, Department of Theoretical Chemistry. Faculty of Chemistry, University of Gdansk.

09.2018 – 02.2020 Blocking the TNF-TNFR2 interactions as a novel approach to the ovarian carcinoma treatment. The main goal of the project was to design, synthesize and characterize peptides and peptidomimetics to block TNF-TNFR2 interaction, International Centre for Cancer Vaccine Science, University of Gdansk (in collaboration with University of Edinburgh, Edinburgh, UK)

2017 – 2018 Master thesis with the Nano Safety Research Group at the School of Life Sciences at the Institute for Chemical Biology, Biophysics and Bioengineering at Heriot-Watt University in Edinburgh, UK. Thesis topic: *Phagocytosis of microspheres in HL60 cells*.

2013 – 2018 5-year course of studies in Chemistry with an in-depth specialization in nanotechnology at the School of Engineering and Physical Sciences at the Institute of Chemical Sciences, Heriot-Watt University, Edinburgh, UK. Graduation as Master of Chemistry with Nanotechnology (MChem).

08.2016 Two-week internship on analyzing the carbon isotope composition of methane (extracted from freshwater samples) using carbon-Isotope Ratio Mass Spectrometer IRMS at the Isotope Biogeochemistry department of the Helmholtz-Centre for Environmental Research – UFZ Leipzig, Germany.

04.2016 Two-weeks internship on collecting and analysis of environmental water samples from limnic systems hosted by the IGB-Berlin, Leibniz Institute for Freshwater Ecology and Inland Fishery, Berlin, Germany.

Stipends and Awards:

- 5-year stipend financing my studies at Heriot Watt University in the framework of SAAS (Student Awards Agency Scotland)
- Award for the poster at the 25th Polish Peptide Symposium, Wojanow, Poland (09.2019)
- Award for the poster at the II Pomeranian Conference for PhD students BioMed Session, Gdansk, Poland (12.2018)
- First prize for the poster during MChem Day at the School of Engineering and Physical Sciences in the field of Chemistry, Heriot-Watt University, Edinburgh, UK (05.2018)

Languages:

- Polish (native)
- English (excellent written and spoken command of English language C2)
- German (intermediate, B1)