

Dr. Natalia SIMIONESCU, Post-Doc

Research Assistant: 2011 - Centre of Advanced Research in Bionanoconjugates and Biopolymers, “Petru Poni” Institute of Macromolecular Chemistry (ICMPP), Iasi, Romania

2012 – 2017: Lipidomics Department, Institute of Cellular Biology and Pathology “Nicolae Simionescu” of the Romanian Academy (ICBP-NS), Bucharest, Romania

Education: 2017: PhD Cellular and Molecular Biology, ICBP-NS; **2011:** M.Sc. in Microbial and Cellular Biotechnologies, Faculty of Biology “Al. I. Cuza” University (UAIC-B); **2009:** B.Sc. in Biology – Biochemistry, UAIC-B

Project member: 5 in ICMPP, 2 in ICBP-NS

International conferences: 6 oral communications, 16 posters

Practical courses: 1. INTERA 3 Summer School, Bucharest, Romania, 2019. 2. International Atherosclerosis Research School, Prague, Czech Republic, 2015. 3. Biomedica Workshop, Bucharest, Romania, 2013. 4. COST Action BM0904 Second Training School, Bucharest - Sinaia, Romania, 2013. 5. COST Action BM0903 Microscopy Training Course 2013, Ghent, Belgium, 2013. 6. Advanced School of Cellular and Molecular Approaches, Bucharest, Romania, 2012. 7. FP7 “RAMSES” Annual International Workshop, Bucharest, Romania, 2012. 8. 18th “Jean Montreuil” Francophone Summer School, Arad, Romania, 2012.

Expertise fields: Cell biology, molecular biology, ELISA, cytotoxicity assays, magnetic nanoparticles’ uptake, clinical biochemistry, biostatistics, bioinformatics.

Scientific achievements: Identification and statistical validation of circulating microRNAs as biomarkers for cardiovascular diseases; *in silico* identification and *in vitro* validation of microRNA target genes; *in vivo* therapy with microRNA inhibitors for atherogenic dyslipidemia; optimization of molecular biology and biochemistry protocols. 8 publications in international journals; 22 international (6 oral presentations) and 7 national (4 oral presentations) conferences; international impact/recognition in the field is reflected by: h-index (Google Scholar): 3, i10 index: 3, Number of citations 115.