

Sorina Dinescu, PhD



Current position: Postdoctoral Researcher and Assistant Professor in the Department of Biochemistry and Molecular Biology, Faculty of Biology, University of Bucharest (DBBM-UB).

Education:

2015- present- Postdoctoral studies in stem cell differentiation, tissue engineering and regenerative medicine

2011-2015- PhD in Biology (Molecular Biology), University of Bucharest- “*Cellular and Molecular Mechanisms underlying adipose derived stem cells differentiation*”, supervisor: Prof. Dr. Marieta Costache, diploma J nr.0010297

2009-2011- Master in Biochemistry and Molecular Biology (MSc), University of Bucharest- “Cytological and molecular aspects of adipogenic differentiation in bi and tridimensional systems”, diploma A nr.0099231.

2006-2009- Bachelor in Biochemistry (BSc), Faculty of Biology, University of Bucharest-”Antitumor effect of antibiotics”, diploma B nr.0052589. Graduated BSc degree as Head of Promotion (9.97).

Research scientometric index: h-index 8, i10-index 8, 190 citations (Google Scholar), h-index 8, 128 citations (Scopus); h-index 7, 108 citations (Thomson, WOS), cumulative impact factor ISI 45, Researcher ID Thomson Reuters: H-1410-2016, <http://orcid.org/0000-0001-7196-1712>.

21 ISI articles, 5 book chapters, co-author in 1 monography and 1 patent in the field of stem cells and tissue engineering (RO129557-A2/2014), 25 abstracts in international conferences related to stem cells (7 oral presentations, 18 posters), 4 ISI-indexed abstracts.

Professional Affiliations: (1) Research Institute of the University of Bucharest (ICUB, <http://icub.unibuc.ro/>) & Platform of Research in Biology and Systems Ecology (PCBE, <https://erris.gov.ro/DMI-PCBE>); (2) Romanian Society of Biochemistry and Molecular Biology (RSBMB); (3) National Society of Cellular Biology (SRBC); (4) International Society of Regenerative Medicine and Surgery (ISRMS); (5) BioMedMol Association;

Professional skills and competences: adult stem cell cultures, stem cell differentiation towards adipogenic, chondrogenic, osteogenic directions for regenerative purposes, tissue engineering, regenerative medicine, differentiation markers gene and protein expression evaluation; expertise in Molecular Biology methods: nucleic acid isolation and quantification, qPCR, microarray, PCR Array, single-cell qPCR, transcriptomic and miRNA analysis, electrophoresis, western blot, immunoprecipitation, fluorescence and confocal microscopy, 3D cell culture, protein-protein interactions, data analysis and statistics with specific software (GenEx, GraphPad Prism, etc)

Awards and scholarships: (1) winner of *UNESCO-L’oreal Fellowship for Women in Science, Life Sciences, National Competition, 2016*; (2) *EEA Mobility Grant Romania-Norway (RO-015)*, 6 months scholarship to Bioteknologisenteret/NCMM, Oslo, Norway during PhD studies; (3) *Scholarship for Excellence in Research from the Research Institute of the University of Bucharest (ICUB)*; (4) 9-months doctoral grant in POSDRU /159/1.5/S/133391, 2014;

Previous and current involvement in research projects: (1) PNIII-P2-123BG/2016 *Bridge Grant (Project Director) in partnership with ProEstetica Medical Center*; (2) PNIII-P2-PTE19/2016 (member); (3) PCCE248/2010 (member), (4) PCCA140/2012 (member), (5) PNII 188/2011 (member), (6) PNII 130/2014 (member).