

Lista de lucrări

Articole originale:

1. Odent (Grigorescu) G*, Rosca AM*, Preda MB, Tutuianu R, Simionescu M, Burlacu A. Synergic effects of VEGF-A and SDF-1 on the angiogenic properties of endothelial progenitor cells. *J Tissue Eng Regen Med*. 2016 Dec 12. doi: 10.1002/term.2233. [Epub ahead of print]
2. Gradinaru S, Popescu LM, Piticescu RM, Zurac S, Ciuluvica R, Burlacu A, Tutuianu R, Valsan SN, Motoc AM, Voinea LM. Computer tomograph, histological and immunohistochemical study of a novel nanostructured hydroxyapatite implant for orbital wall fractures in animal model. *Nanomaterials*. 2016; 6, 11-23.
3. Curaj A, Wu Z, Fokong S, Liehn E, Weber C, Burlacu A, Lammers T, van Zandvoort M, Kiessling F. Noninvasive molecular ultrasound monitoring of vessel healing following intravascular surgical procedures in a preclinical setup. *Arterioscler Thromb Vasc Biol*. 2015; 35: 1366-1373.
4. Odent G*, Preda MB*, Radu E, Rosca AM, Tutuianu R, Mitroi DN, Simionescu M, Burlacu A. Combinatorial approach for improving the outcome of angiogenic therapy in ischemic tissues. *Biomaterials*. 2015; 60:72-81.
5. Preda MB, Rosca AM, Tutuianu R, Burlacu A. Pre-stimulation with FGF-2 increases in vitro functional coupling of mesenchymal stem cells with cardiac cells. *Biochem Biophys Res Commun*. 2015;464(2):667-73.
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12. Vasile E, Popescu LM, Piticescu RM, Burlacu A, Buruiana T. Physico-chemical and biocompatible properties of hydroxyapatite based composites prepared by an innovative synthesis route. *Mat Lett*. 2012; 79: 85-88.
13. Rosca A-M, Burlacu A. Effect of 5-azacytidine: evidence for alteration of the multipotent ability of mesenchymal stem cells. *Stem Cells Dev*. 2011; 20:1213-1221.
14. Preda MB, Burlacu A. ECG recording as a tool for validating myocardial ischemia-reperfusion procedure in mouse model. *Comp Med*. 2010; 60: 443-447.
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Reviews:

20. Burlacu A. Tracking the mesenchymal stem cell fate after transplantation into the infarcted myocardium. *Curr Stem Cell Res Ther*. 2013; 8(4): 284- 291.
21. Burlacu A. Umbilical Cord Blood: Medical Waste or Important Source of Stem Cells? *Human Genet Embryol*. 2012; S2:005. doi:10.4172/2161-0436.
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23. Burlacu A. Can 5-azacytidine convert the adult stem cells into cardiomyocytes? A brief overview, *Arch Physiol Biochem*. 2006; 112: 260-264.

Monografii:

24. Burlacu A. Oxidative stress-induced apoptosis of vascular cells. In *Cellular Dysfunction in Atherosclerosis and Diabetes. Reports from Bench to bedside 2004*; Simionescu M., Sima A., Popov D, eds., 296-305.

Brevete:

25. Burlacu A, Mitroi DN, Preda MB, Plesu M, Rosca A-M, Grigorescu G, Popa M, Corotchi C, Droc I, Gussi IL. Ex vivo procedure for engraftment of stem cells into viable slides of human cardiac tissue, patent application, *State Office for Inventions and Trademarks, 2013, A/00845*.

Editoriale:

26. Burlacu A. Editorials (Hot topic: Advances in stem cell therapy for myocardial regeneration). *Curr Stem Cell Res Ther. 2013; 8(4): 269*.

