



Sinziana Popescu

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EXPERIENȚA PROFESIONALĂ

Asistent de Cercetare Stiintifica

Institutul de Biologie si Patologie Celulara "Nicolae Simionescu" [03/2016 – În curs]

Localitatea: Bucuresti

Țara: România

Biochimist

SC Biotechnos SA [03/2014 – 03/2016]

Localitatea: Bucuresti

Țara: România

EDUCAȚIE ȘI FORMARE PROFESIONALĂ

Student doctorand

Scoala de Studii Avansate a Academiei Romane (SCOSAAR) [11/2016 – În curs]

Adresă: Bucuresti (România)

Domeniul (domeniile) de studiu: Medicina regenerativa

Stagiu de Cercetare Stiintifica

UCLA Department of Chemical and Biomolecular Engineering [09/2018 – 09/2019]

Adresă: Los Angeles (Statele Unite)

Domeniul (domeniile) de studiu: Inginerie Tisulara si Biomateriale

Master in Biotehnologie Microbiana si Genetica

Universitatea din Bucuresti, Facultatea de Biologie [10/2012 – 06/2014]

Adresă: Bucuresti (România)

Schimb Academic Erasmus

Universita degli Studi di Padova [10/2011 – 03/2012]

Adresă: Padova (Italia)

Licenta in Biochimie

Universitatea din Bucuresti, Facultatea de Biologie [09/2009 – 07/2012]

Adresă: Bucuresti (România)

Dual Stem Cell Therapy Improves the Myocardial Recovery Post-Infarction through Reciprocal Modulation of Cell Functions

S. Popescu, M.B. Preda, C.I. Marinescu, M. Simionescu, A. Burlacu. *Int J Mol Sci.* **2021** May 26;22(11):5631. doi: 10.3390/ijms22115631. (Factor de impact: 5.92)

Identification of a Hematopoietic Cell Population Emerging From Mouse Bone Marrow With Proliferative Potential In Vitro and Immunomodulatory Capacity.

C.I. Marinescu, M.B. Preda, C.A. Neculachi, E.G. Rusu, S. Popescu, A. Burlacu. *Front. Immunol.* **2021** Aug 12:698070 . doi: 10.3389/fimmu.2021.698070 (Factor de impact: 7.56)

Evidence of mesenchymal stromal cell adaptation to local microenvironment following subcutaneous transplantation

M.B. Preda, A.M. Lupan, C.A. Neculachi, L.I. Leti, I.M. Fenyó, S. Popescu, E.G. Rusu, C.I. Marinescu, M. Simionescu, A. Burlacu. *J Cell Mol Med.* **2020** Aug 12;24(18):10889–97. doi: 10.1111/jcmm.15717. (IF: 4.48)

COMUNICARI SUSTINUTE LA MANIFESTARI STIINTIFICE INTERNATIONALE SI NATIONALE – PRIM-AUTOR

A novel neutrophil-like in vitro model for the study of human neutrophil polarization

S. Popescu, M.A. Publik, B. M. Preda .*The 38th International Conference and Annual Scientific Session of the Romanian Society for Cell Biology*, 4-6 Noiembrie **2021**. Eveniment virtual – prezentare poster

Dual stem cell therapy improves the cardiac function after experimental myocardial infarction

S. Popescu, AM Lupan, M.B. Preda, M. Simionescu, A. Burlacu. *American Heart Association Basic Cardiovascular Science Scientific Sessions 2020*. July 27–30, **2020**. Virtual Event. - Prezentare poster

Cross-talk between Mesenchymal Stromal Cells and Endothelial Progenitors modulates the expression of angiogenesis related molecules

S. Popescu, AM Lupan, M.B. Preda, A. Burlacu, M. Simionescu. *The 36th Annual Scientific Session of the Romanian Society for Cell Biology and the 10th National Congress with International participation*, **2018**, Craiova, Romania – Prezentare orală

Assessment of the proper ratio between endothelial progenitor cells and mesenchymal stromal cells that confers superior angiogenic effects in vitro

S. Popescu, M.B. Preda, A. Burlacu. *9th National Congress with International Participation and 35th Annual Scientific Session of the Romanian Society for Cell Biology*, 06 -12 iunie **2017**, Iasi, Romania – Prezentare poster

Assessment of the proper ratio between endothelial progenitor cells and mesenchymal stromal cells that confers superior angiogenic effects in vitro

S. Popescu, M.B. Preda, A. Burlacu. *European Society of Cardiology " Basic Science Summer School"*, 17-25 Iunie **2017**, Nisa, Franta – Prezentare poster

COMUNICARI SUSTINUTE LA MANIFESTARI STIINTIFICE INTERNATIONALE SI NATIONALE - CO-AUTOR

Hypoxia regulates the pro-angiogenic effect of subcutaneously transplanted mesenchymal stromal cells.

M.B. Preda, [S. Popescu](#), R. Tutuianu, A.M. Rosca, M. Simionescu, A. Burlacu. *EMBO Conference: The Molecular and Cellular Basis of Regeneration and Tissue Repair*. 15-19 September **2018**. Valetta, Malta;

Hypoxia regulates the pro-angiogenic effect of subcutaneously transplanted mesenchymal stromal cells.

M.B. Preda, [S. Popescu](#), R. Tutuianu, A.M. Rosca, M. Simionescu, A. Burlacu. *Keystone Symposia meeting on Therapeutic Targeting of Hypoxia-Sensitive Pathways*. 10-14.04.**2018**. University of Oxford Mathematical Institute, Oxford, UK.

Hypoxia regulates the pro-angiogenic effect of subcutaneously transplanted mesenchymal stromal cells.

M.B. Preda, [S. Popescu](#), R. Tutuianu, A.M. Rosca, M. Simionescu, A. Burlacu. *INTERNATIONAL COURSE & ISRMS 2nd CONGRES*, June 14-17, **2017**, Bucharest, Romania.

COLABORATOR IN PROIECTE DE CERCETARE STIINTIFICA

Proiectul "INNATE-MI" - PN-III-P4-ID-PCCF-2016-0172

Targeting innate immune mechanisms to improve risk stratification and to identify future therapeutic options in myocardial infarction.

Proiectul "Co-SuSTain" - PN-III-P2-2.1-PED-2016-1881

Consolidating the Subcutaneous Transplantation of Mesenchymal Stem Cells as a Warranted Therapy for Myocardial Infarction.

Proiectul "ComTIsM" - PN-II-RU-TE-2014

Ingineria tesutului ischemic prin transplant combinatorial: asamblarea pieselor ce induc atat supravietuirea grefei cat si repararea tesutului gazda.

BURSE SI PREMII

UEFISDCI PN-III-P1-1.1-PRECISI-2021 - Premiera rezultatelor cercetării - articole

[S. Popescu](#), M.B. Preda, C.I. Marinescu, M. Simionescu, A. Burlacu. Dual Stem Cell Therapy Improves the Myocardial Recovery Post-Infarction through Reciprocal Modulation of Cell Functions. *Int J Mol Sci*. **2021** May 26;22(11):5631. doi: 10.3390/ijms22115631. (Factor de impact: 5.92)

UEFISDCI PN-III-P1-1.1-PRECISI-2021 - Premiera rezultatelor cercetării - articole

C.I. Marinescu, M.B. Preda, C.A. Neculachi, E.G. Rusu, [S. Popescu](#), A. Burlacu. Identification of a Hematopoietic Cell Population Emerging From Mouse Bone Marrow With Proliferative Potential In Vitro and Immunomodulatory Capacity. *Front. Immunol*. **2021** 12:698070. doi: 10.3389/fimmu.2021.698070 (Factor de impact: 7.56)

UEFISDCI PNCDI III - Premiarea rezultatelor cercetării - articole

M.B. Preda, A.M. Lupan, C.A. Neculachi, L.I. Leti, I.M. Fenyó, S. Popescu, E.G. Rusu, C.I. Marinescu, M. Simionescu, A. Burlacu. Evidence of mesenchymal stromal cell adaptation to local microenvironment following subcutaneous transplantation. *J Cell Mol Med.* **2020** Aug 12;24(18):10889–97. doi: 10.1111/jcmm.15717. (Factor de impact: 5.31)

Paul Dudley White International Scholar Award for the Highest Ranked Abstract from Romania

[08/2020]

American Heart Association - Basic Cardiovascular Science Scientific Sessions 2020

Fulbright Student Award to the United States

[09/2018 – 09/2019]

Bursa de cercetare

Premiu pentru prezentare orală (Locul 3)

[2018]

"The 36th Annual Scientific Session of the Romanian Society for Cell Biology and the 10th National Congress with International participation", Craiova, Romania

Bursa de Studii Doctorale

[11/2016 – 10/2019]

Scoala de Studii Avansate a Academiei Romane (SCOSAAR)

Bursa Erasmus

[10/2011 – 03/2012]

Universita' degli Studi di Padova

SPECIALIZARI, CURSURI SI CERTIFICARI

Workshop virtual: "Cell-Matrix Interaction and Mechanobiology in Regenerative Medicine"

[10/06/2021 – 11/06/2021]

Tissue Engineering and Regenerative Medicine International Society

"Micro- and Nanotechnologies for Medicine Workshop: Emerging Frontiers and Applications" - UCLA, Los Angeles, SUA

[09/07/2019 – 12/07/2019]

"Molecular Basis of Vascular Biology" Graduate Course (MCD BIO 224-1), "University of California, Los Angeles", Los Angeles, SUA

[03/2019 – 06/2019]

Certificare TOEFL - English Language ibt Test

[2018]

Scor 106/110

Curs “Techniques to validate the isolation of adipose derived stem cells and their differentiation evaluation”

[14/06/2017 – 17/06/2017]

Second Congress of the International Society of Regenerative Medicine and Surgery (ISRMS), Bucharest, Romania

AFILIERI

Membra in SRBC (Societatea Romana de Biologie Celulara)

[2016 – În curs]

Membra in TERMIS (Tissue Engineering and Regenerative Medicine International Society)

[2019]

Bucuresti, 01/2022