

Curriculum vitae Europass



Informații personale

Nume / Prenume **MÂNDUTEANU, ILEANA**
 Adresă(e) Str. George Calinescu, nr.27, Bl.17A, ap.14, Bucuresti, Romania
 Telefon(oane) Fix: 0040212306512; Mobil: 0040723139543
 Fax(uri)
 E-mail(uri) ileana.manduteanu@icbp.ro; ileana.manduteanu@gmail.com

Naționalitate(-tăți) Romana

Data nașterii 05.05.1953

Sex Feminin

Domeniul ocupațional Cercetare Biomedicală în domeniul bolilor cardiovasculare , în farmacologie și nanomedicina.

Experiența profesională

	Perioada	2012 - prezent
	Funcția	Director adjunct
Numele și adresa angajatorului		Institutul de Biologie și Patologie Celulară „Nicolae Simionescu”, Str. B.P. Hașdeu nr.8, Sect 5, București
Tipul activității sau sectorul de activitate		Management

	Perioada	2000-prezent
	Funcția sau postul ocupat	Cercetător Științific I
Activități și responsabilități principale		Membru în Consiliul Științific Coordonatorul Departamentului de Biopatologie și Terapia inflamației
Numele și adresa angajatorului		Institutul de Biologie și Patologie Celulară „Nicolae Simionescu”, Str. B.P. Hașdeu nr.8, Sect 5, București

Tipul activității sau sectorul de activitate	Cercetare Biomedicală, biopatologia și terapia inflamației
Perioada	1993-2000
Funcția sau postul ocupat	Cercetător Științific II
Activități și responsabilități principale	Șef Laborator Adeziune și tromboza
Numele și adresa angajatorului	Institutul de Biologie și Patologie Celulară „Nicolae Simionescu”, Str. B.P. Hașdeu nr.8, Sect 5, București
Tipul activității sau sectorul de activitate	Cercetare biomedicală, molecule de adeziune în boli cardiovasculare, mecanisme de acțiune a unor medicamente anti-inflamatorii
Perioada	1990-1993
Funcția sau postul ocupat	Cercetător Științific III
Activități și responsabilități principale	Cercetare Biomedicală
Numele și adresa angajatorului	Institutul de Biologie și Patologie Celulară „Nicolae Simionescu”, Str. B.P. Hașdeu nr.8, Sect 5, București
Tipul activității sau sectorul de activitate	Cercetare Științifică
Perioada	1988-1989
Funcția sau postul ocupat	Biofizician
Activități și responsabilități principale	Activitate Didactică
Numele și adresa angajatorului	Facultatea de Medicină și Farmacie “Carol Davila”, București, Catedra de Biologie Celulară
Tipul activității sau sectorul de activitate	Activitate didactică
Perioada	1980-1988
Funcția sau postul ocupat	Cercetător Științific
Activități și responsabilități principale	Cercetare Științifică
Numele și adresa angajatorului	Institutul de Biologie și Patologie Celulară „Nicolae Simionescu”, Str. B.P. Hașdeu nr.8, Sect 5, București
Tipul activității sau sectorul de activitate	Cercetare Științifică
Perioada	1978-1980
Funcția sau postul ocupat	Biofizician
Activități și responsabilități principale	Cercetare Științifică
Numele și adresa angajatorului	Laborator de radiobiologie –Platforma Magurele

Tipul activității sau sectorul de activitate	Cercetare Științifică
Perioada	1977-1978
Funcția sau postul ocupat	Fizician
Activități și responsabilități principale	Producție Dispozitive Semiconductoare cu Siliciu IPRS Băneasa
Numele și adresa angajatorului	Producție
Tipul activității sau sectorul de activitate	
Educație și formare	
Perioada	2014
	Teza de abilitare conducere doctorat: "Molecule si mecanisme ale inflamației vasculare ca ținte moleculare pentru terapie"
Perioada	1982-1992
Calificarea / diploma obținută	Doctor in Biologie Titlul: "Izolarea , cultivarea si metabolismul endoteliului valvular cardiac-un model de studiu al interacției endoteliului cu celulele sanghine";conducator stiintific:Academician Maya Simionescu
Disciplinele principale studiate / competențe profesionale dobândite	-Biologie celulară -Biochimie -Biopatologia sistemului cardio-vascular -Biopatologia valvelor cardiace -Culturi de celule
Numele și tipul instituției de învățământ / furnizorului de formare	Academia Română, IBPC "N.Simionescu"
Perioada	1972-1977
Calificarea / diploma obținută	Fizician Diploma de Licență in Fizică, specializarea Biofizică
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea București - Facultatea de Fizica-Sectia de Biofizica
Aptitudini și competențe personale	
Limba(i) maternă(e)	Română

Limba(i) străină(e)
cunoscută(e)
Autoevaluare
Nivel european (*)

Limba engleza

Limba franceza

Înțelegere		Vorbire		Scriere
Ascultare	Citire	Participare la conversație	Discurs oral	Exprimare scrisă
C Utilizator 1 experimentat	C Utilizator 1 experimentat	C Utilizator 1 experimentat	C Utilizator 1 experimentat	C Utilizator 1 experimentat
C Utilizator 1 experimentat	C Utilizator 1 experimentat	C Utilizator 1 experimentat	C Utilizator 1 experimentat	B Utilizator 1 experimentat

(*) Nivelul Cadrului European Comun de Referință Pentru Limbi Străine

Competențe și abilități sociale

Spirit de echipă: organizare și coordonare echipe de cercetare precum și conferințe și congrese naționale și internaționale în cadrul IBPC "N.Simionescu"

Competențe și aptitudini
organizatorice

Director adjunct
Membru în Consiliul Științific al IBPC "N.Simionescu"
Șef al Departamentului de Biopatologie și Terapie Inflamatorie

Activități de management:

Participare la programe/proiecte naționale/internaționale :

- GAR/Adeziunea monocitelor la celulele endoteliale valvulare crescute în concentrații ridicate de glucoză (1997) –director proiect. Sursa de finanțare:Academia Română.
- MCT/Mecanisme implicate în adeziunea monocitelor la celulele endoteliale valvulare crescute în concentrații ridicate de glucoză(1997-1998):director proiect. Sursa de finanțare:Ministerul Cercetării și Tehnologiei.
- ANSTI/Expresia de molecule de adeziune celulară în endoteliul valvular. Implicații în tratamentul viitor al unor boli valvulare.(1999-2001)-director proiect.Sursa finanțării: Agenția națională Pentru Știință, Tehnologie Și Inovare, Ministerul Educației Și Cercetării
- MEC/Efectul medicamentelor antiinflamatorii asupra activării endoteliului vascular(2001-2002)-colaborator
- VIASAN /Directionarea medicamentelor țintite către endoteliul vascular activat utilizând liposomi "inteligenti": o strategie pentru terapia bolilor cardiovasculare (2001-2003)-colaborator
- VIASAN /Modularea secreției de chemokine în diferite condiții de patologie vasculară; rolul funcțional al acestora în modelele studiate (2003-2005)-colaborator
- VIASAN/O nouă strategie pentru stabilizarea leziunilor aterosclerotice în sindroamele coronariene acute: suprimarea macrofagelor activate cu ajutorul liposomilor- purtători de clodronat (2004-2006)-colaborator
- CEEX / Alterarea mecanismelor celulare și moleculare și a expresiei genice în boli cardiovasculare și diabet/obezitate, afecțiuni majore ale sindromului metabolic - cercetări fundamentale și clinice CEEX/ Inflamația în ateroscleroză: modularea expresiei genice a fractalkinei, apoE, NADPH oxidazei și VEGF de către mediatori inflamatori; capacitatea unor medicamente de prevenire/reversare a procesului (2005-2008)-colaborator.
- CEEX / CEEX/ Inflamația în ateroscleroză: modularea expresiei genice a fractalkinei, apoE, NADPH oxidazei și VEGF de către mediatori inflamatori; capacitatea unor medicamente de prevenire/reversare a procesului, Alterarea mecanismelor celulare și moleculare și a expresiei genice în boli cardiovasculare și diabet/obezitate, afecțiuni majore ale sindromului metabolic - cercetări fundamentale și clinice(2006-2009)-colaborator

- Proiect international: SERA " Intarirea zonei de cercetare europeana prin cresterea competentei cercetarii romanesti in genomica si proteomica maladiilor majore de risc global : ateroscleroza, diabetul si complicatiile lor » Specific Support Action, PC6 (2005-2008) Membru in comitetul de management (WP Lieder)
- Proiect PNCDI2-Parteneriate : Interrelatia la nivel molecular intre inflamatiile cronice si ateroscleroza accelerata: rolul moleculelor recent descoperite, rezistina, fractalkina, CXCL16; oportunitati pentru noi terapii tintite(2007-2010)-director de proiect. Sursa de finantare :Centrul National de management Programe ;volumul finantarii:1.283993 lei
- Proiect transnational (FP7)- Euronanomed: 'Nanoparticles designed to target chemokine-related inflammatory processes in vascular diseases and cancer metastasis and implementation of a biosensor to diagnose these disorders"(2010-2012)-colaborator
- Proiect PNII:IDEI:" Molecule si mecanisme implicate in inflamatiile vasculare dependente de citokine si chemokine, posibile tinte pentru noi strategii nanoterapeutice".(2011-2014). -Director proiect. Sursa de Finantare:Unitatea Executiva Pentru Finantarea Invatamintului Superior A cercetarii Dezvoltarii si Inovarii ;volumul finantarii 1.500.000 lei
- Proiect POC-A.1.1.4-E-2015:Terapii tintite pentru boala valvei aortice in diabet, Theravaldis.2016-2020, manager executiv
- Proiect ERANET-NEURON-STATEMENT 2020-2023, Responsabil colectiv Romania
- Actiunea COST CA20117 "Converting molecular profiles of myeloid cells into biomarkers for inflammation and cancer"2021-2025,membru in Comitetul de Management

Competențe și aptitudini tehnice	Tehnici de Biologie Celulara si Moleculara si de nanomedicina
Competențe și aptitudini de utilizare a calculatorului	O buna stăpânire a aplicațiilor Word, Excel, Photoshop
Permis(e) de conducere	Permis de conducere de tip B

Informații suplimentare Activitate Didactica:

- Cursuri la Cursul Postuniversitar de Studii Avansate organizat în IBPC "N.Simionescu" (2000 - 2008)

Afilieri Profesionale:

- 2015-prezent Membru Corespondent Academia Romana
- 2017-prezent Membru Academia de Stiinte medicale
- 1982 - prezent: Societatea Nationala de Biologie Celulara.
- 1983 - prezent: Organizatia Europeana de Biologie Celulara.
- 2008 - prezent : Asociatia Europeana de Studiu al Diabetului

Premii stiintifice:

- 1993: Premiul "Emil Racovita" al Academiei Roman
- 1995: Premiul Societatii Romane de Biologie Celulara si al Companiei Becton Dickinson "Cell Science Products pentru contributii speciale in domeniul culturilor Celulare";
- 2002: "Bio-Rad Laboratories Prize" pentru cercetare valoroasa cu echipamente Bio-Rad.
- 2019;Premiul "Acad.Nicolae Cajal" pentru realizari obtinute in cercetarea fundamentala

Specializari:

- 1993: Bursa de specializare a Comisiei Comunitatii Europene la Laboratorul de Biologie Vasculara a Institutului de cercetari farmaceutice "Mario Negri", Milano, Italia
- 2000: Participare la cursul NATO cu tema: "Endoteliul vascular sursa si tinta terapeutica mediatorilor inflamatiei" (Advanced Study Institute "Vascular endothelium: source and target of inflammatory mediators"), Creta, Grecia.

Scientometrie:

74 publicatii ISI,3 capitol de carte, 1 capitol de monografie

Comunicari la 66 conferinte si congrese internationale

Comunicari la 65 de conferinte si congrese nationale

Index Hirsch : 27 (Google Scholar)

22(Web of Science)

Citari: 1900 (Google Scholar)

1200 (Web of Science)

Alte informatii:

Expert in Comisia de Biologie si Biochimie a Consiliului National de Atestare a Titlurilor, Diplomelor si Certificatelor Universitare (CNATDCU)(2011-2012)

Membru in comitetul editorial :Journal of Cellular and Molecular Medicine, Frontiers in Cardiovascular Medicine

Reviewer : British Journal of Nutrition, Basic and Clinical Pharmacology, Journal of Cellular and Molecular Medicine, Cell and Tissue Research, Inflammation Research, Cytokine journal,Frontiers in Cardiovascular medicine, Pharmaceutics, Biomolecules

Referent pentru finantare Granturi :UEFISDCI, CNCIS, CNMP-ANCS

LISTA DE PUBLICATII

CAPITOLE DE CARTE/MONOGRAFII

1. Vasile E, **Mănduțeanu I.** Transport of LDL. in "Endothelial transport of macromolecules: "Transcytosis and endocytosis", Simionescu M. Simionescu N, editors. Cell Biology Reviews, 25,1, 39-41.1991
2. **Mănduțeanu I.** Mechanisms involved in the anti-inflammatory effects of heparin. Cellular Dysfunction in Atherosclerosis and Diabetes-Reports from Bench to Bedside. Simionescu M, Sima A, Popov D.(eds), The Publishing House of the Romanian Academy, pp. 363-372, 2004.
3. Butoi (Dragomir) E. and **Mănduțeanu I.** Fractalkine and its receptor in vascular dysfunction. 'From Vascular Cell Biology to Cardiovascular Medicine', Ed: Adriana Georgescu, Felicia Antohe, published by RESEARCH SIGNPOST TRANSWORLD RESEARCH NETWORK. ISBN - 978-81-7895-503-2, in press 2010.
4. Tucureanu M.M., **Mănduțeanu I.** Resistin in Cardiovascular Diseases, pp 85-14. In *Resistin: Structure, Function and Role in Disease*, published in Nova Science Publishers, Inc. 2018.

LUCRĂRI ȘTIINȚIFICE ORIGINALE ÎN WEB OF SCIENCE CORE COLLECTION

1. Popov D, **Mănduțeanu I.** Synthesis and secretion of ³H-mannose labeled proteins by valvular endothelial cells in culture. Rev.Roum. Biochem. 1987, vol 24, pp 48-54.
2. **Mănduțeanu I.**, Popov D, Radu A, Simionescu M. Calf cardiac valvular endothelial cells in culture: production of glycosaminoglycans, prostacyclin and fibronectin. J Mol Cell Cardiol. 1988 Feb;20(2):103-18.
3. **Mănduțeanu I.**, Vasile E, Simionescu M. Uptake of LDL by valvular endothelial cells in culture. Rev. Roum. Biochim. 1990, vol 27, pp 235-238.
4. **Mănduțeanu I.**, Calb M, Lupu C, Simionescu N, Simionescu M. Increased adhesion of human diabetic platelets to cultured valvular endothelial cells, J. Sobmicrosc. Cytol. and Pathol., 1992, vol 24, pp 543-547.
5. Lupu C, **Mănduțeanu I.**, Calb M, Simionescu N, Simionescu M, Ionescu M. Some Major Plasmalemma Proteins of Human Diabetic Platelets are Involved in the Enhanced Platelet Adhesion to Cultured Valvular Endothelial Cells. Platelets. 1993;4(2):79-84.
6. Navarro P, Caveda L, Breviario F, **Mănduțeanu I.**, Lampugnani MG, Dejana E. Catenin-dependent and independent functions of vascular endothelial cadherin, Journal of Biol. Chem, 270,52,30965-30972 (1995).
7. **Mănduțeanu I.**, Corot C, Simionescu N, Meyer D, Simionescu M. Ultrastructural investigation of the vascular transport of an iodinated macromolecular contrast medium. Acad Radiol. 1996 Aug;3 Suppl 2:S353-5.
8. **Mănduțeanu I.**, Corot C, Simionescu N, Meyer D, Simionescu M. Experimental evaluation of the vascular effects and transport of an iodinated macromolecular contrast medium. Invest Radiol. 1997 Aug;32(8):447-52.
9. **Mănduțeanu I.**, Voinea M, Serban G, Simionescu M. High glucose induces enhanced monocyte adhesion to valvular endothelial cells via a mechanism involving ICAM-1, ICAM-1 and CD18. Endothelium. 1999;6(4):315-24.
10. **Mănduțeanu I.**, M.Voinea, M.Capraru, E. Dragomir, M. Simionescu. A novel attribute of enoxaparin: Inhibition of monocyte adhesion to endothelial cells by a mechanism involving cell adhesion molecules, Pharmacology. Vol.65, No.1, pp.32-37, 2002.
11. Voinea, M, Dragomir, E, **Mănduțeanu, I.** Simionescu, M. Binding and uptake of transferrin-bound liposomes targeted to transferrin receptors of endothelial cells, Vascular Pharmacology Vol.39, No.1-2, pp. 13-20, 2002.

12. **Mănduțeanu I**, Voinea M, Antohe F, Dragomir E, Capraru M, Radulescu L, Simionescu M. Effect of enoxaparin on high glucose-induced activation of endothelial cells, *European Journal of Pharmacology*, Vol.477, No.3, pp.269-276, 2003.
13. Voinea M, Georgescu A, Manea A, Dragomir E, **Mănduțeanu I**, Popov D, Simionescu M. Superoxide dismutase entrapped-liposomes restore the impaired endothelium-dependent relaxation of resistance arteries in experimental diabetes, *European Journal of Pharmacology*, Vol.484, No.1, pp.111-118, 2004.
14. Dragomir E, **Mănduțeanu I**, Voinea M, Costache G, Manea A, Simionescu M. Aspirin rectifies calcium homeostasis, decreases reactive oxygen species, and increases NO production in high glucose-exposed human endothelial cells, *Journal of Diabetes and its Complications*, Vol.18, No.5, pp.289-299, 2004.
15. Voinea M, **Mănduțeanu I**, Dragomir E, Capraru M, Simionescu M. Immunoliposomes directed toward VCAM-1 interact specifically with activated endothelial cells - A potential tool for specific drug delivery. *Pharmaceutical Research*, Vol.22, No.11, pp.1906-1917, 2005.
16. Dragomir E, Tircol M, **Mănduțeanu I**, Voinea M, Simionescu M. Aspirin and PPAR- α activators inhibit monocyte chemoattractant protein-1 expression induced by high glucose concentration in human endothelial cells, *Vascular Pharmacology*, Vol.44, No.6, pp.440-449, 2006.
17. **Mănduțeanu I**, Dragomir E, Voinea M, Capraru M, Simionescu M. Enoxaparin reduces H₂O₂-induced activation of human endothelial cells by a mechanism involving cell adhesion molecules and nuclear transcription factors, *Pharmacology*, Vol.79, No.3, pp.154-162, 2007.
18. Dragomir E, **Mănduțeanu I**, Calin M, Gan A.M, Stan D, Koenen R.R, Weber C, Simionescu M. High glucose conditions induce upregulation of fractalkine and monocyte chemotactic protein-1 in human smooth muscle cells, *Thrombosis and Haemostasis*, Vol.100, No.6, 1155-1165, 2008.
19. **Mănduțeanu I**, Dragomir E, Calin M, Pirvulescu M, Gan A.M, Stan D, Simionescu M. Resistin up-regulates fractalkine expression in human endothelial cells: Lack of additive effect with TNF- α , *Biochemical and Biophysical Research Communications*, Vol.381, No.1, pp.96-101, 2009.
20. Calin M, **Mănduțeanu I**, Dragomir E, Dragan E, Nicolae M, Gan A.M, Simionescu M. Effect of depletion of monocytes/macrophages on early aortic valve lesion in experimental hyperlipidemia, *Cell and Tissue Research*, Vol. 336, No.2, pp.237-248, 2009.
21. **Mănduțeanu I**, Pirvulescu M, Gan A.M, Stan D, Simion V, Dragomir E, Calin M, Simionescu M. Similar effects of resistin and high glucose on P-selectin and fractalkine expression and monocyte adhesion in human endothelial cells. *Biochemical and Biophysical Research Communications*, Vol.391, No.3, pp.1443-1448, 2010.
22. Stan D, Calin M, **Mănduțeanu I**, Pirvulescu M, Gan AM, Dragomir Butoi E, Simion V, Simionescu M. High glucose induces enhanced expression of resistin in human U937 monocyte-like cell line by MAPKs and NF- κ B dependent mechanisms; the modulating effect of insulin, *Cell Tissue Res*. 2011 Feb;343(2):379-87.
23. Pirvulescu MM, Gan AM, Stan D, Simion V, Calin M, Butoi ED, Tirgoviste CI, **Mănduțeanu I**. Curcumin and a Morus alba Extract Reduce Pro-Inflammatory Effects of Resistin in Human Endothelial Cells. *Phytother Res*. Dec;25(12):1737-42, 2011.
24. Butoi ED, Gan AM, **Mănduțeanu I**, Stan D, Calin M, Pirvulescu M, Koenen RR, Weber C, Simionescu M. Cross talk between smooth muscle cells and monocytes/ activated monocytes via CX3CL1/CX3CR1 axis augments expression of pro-atherogenic molecules. *Biochim Biophys Acta*. 2011 Aug 22;1813(12):2026-2035.
25. **Mănduțeanu I**, Simionescu M. Inflammation in atherosclerosis: a cause or a result of vascular disorders? *J Cell Mol Med*. 2012 Sep;16(9):1978-90.

26. Pirvulescu M, **Mănduțeanu I**, Gan AM, Stan D, Simion V, Butoi E, Calin M, Simionescu M. A novel pro-inflammatory mechanism of action of resistin in human endothelial cells: up-regulation of SOCS3 expression through STAT3 activation. *Biochem Biophys Res Commun*. 2012; 1:422(2):321-6.
27. Gan AM, Butoi ED, Manea A, Simion V, Stan D, Parvulescu MM, Calin M, **Mănduțeanu I**, Simionescu M. Inflammatory effects of resistin on human smooth muscle cells: up-regulation of fractalkine and its receptor, CX3CR1 expression by TLR4 and Gi-protein pathways. *Cell Tissue Res*. (2013) 351:161–174.
28. Simion V, Stan D, Gan AM, Pirvulescu MM, Butoi E, **Mănduțeanu I**, Deleanu M, Andrei E, Durdureanu-Angheluta A, Bota M, Enachescu M, Calin M, Simionescu M. Development of curcumin-loaded poly(hydroxybutyrate-cohydroxyvalerate) nanoparticles as anti-inflammatory carriers to human-activated endothelial cells. *J Nanopart Res* (2013) 15:2108.
29. Gan AM, Pirvulescu MM, Stan D, Simion V, Calin M, **Mănduțeanu I**, Butoi E. Monocytes and smooth muscle cells cross-talk activates STAT3 and induces resistin and reactive oxygen species production. *J Cell Biochem*. 2013 Oct; 114(10):2273-83. doi: 10.1002/jcb.24571.
30. Pirvulescu MM, Gan AM, Stan D, Simion V, Calin M, Butoi E, **Mănduțeanu I**. Subendothelial resistin enhances monocyte transmigration in a co-culture of human endothelial and smooth muscle cells by mechanisms involving fractalkine, MCP-1 and activation of TLR4 and Gi/o proteins signaling, *Int J Biochem Cell Biol*. 2014; 50:29-37, doi:10.1016/j.biocel.2014.01.022.
31. Gan AM, Butoi E, Manea A, Pirvulescu MM, Stan D, Simion V, Calin M, Simionescu M, **Mănduțeanu I**. Functional analysis of the fractalkine gene promoter in human aortic smooth muscle cells exposed to proinflammatory conditions, *FEBS J*. 2014 Sep;281(17):3869-81. doi: 10.1111/febs.12921.
32. Butoi E, Gan AM, **Mănduțeanu I**. Molecular and functional interactions among monocytes/macrophages and smooth muscle cells and their relevance for atherosclerosis. *Crit Rev Eukaryot Gene Expr*. 2014;24(4):341-55.
33. Calin M, Stan D, Schlesinger M, Simion V, Deleanu M, Constantinescu CA, Gan AM, Pirvulescu MM, Butoi E, **Mănduțeanu I**, Bota M, Enachescu M, Borsig L, Bendas G, Simionescu M. VCAM-1 directed target-sensitive liposomes carrying CCR2 antagonists bind to activated endothelium and reduce adhesion and transmigration of monocytes. *Eur J Pharm Biopharm*. 2015 Jan;89:18-29. doi: 10.1016/j.ejpb.2014.11.016.
34. Conjugation of curcumin-loaded lipid nanoemulsions with cell-penetrating peptides increases their cellular uptake and enhances the anti-inflammatory effects in endothelial cells. Simion V, Stan D, Constantinescu CA, Deleanu M, Dragan E, Tucureanu MM, Gan AM, Butoi E, Constantin A, **Mănduțeanu I**, Simionescu M, Calin M. *J Pharm Pharmacol*. 2016 Feb;68(2):195-207. doi: 10.1111/jphp.12513. Epub 2016 Jan 8. PMID:26748549.
35. Cross-talk between macrophages and smooth muscle cells impairs collagen and metalloprotease synthesis and promotes angiogenesis. Butoi E, Gan AM, Tucureanu MM, Stan D, Macarie RD, Calin M, Simionescu M, **Mănduțeanu I**. *Biochim Biophys Acta*. 2016 Apr 6. pii: S0167-4889(16)30082-9. doi: 10.1016/j.bbamer.2016.04.001. [Epub ahead of print] PMID: 27060293.
36. Amendment of the cytokine profile in macrophages subsequent to their interaction with smooth muscle cells: Differential modulation by fractalkine and resistin. Tucureanu MM, Butoi E, Gan AM, Stan D, Constantinescu CA, Calin M, Simionescu M, **Mănduțeanu I**. *Cytokine*. 2016 Jul;83:250-261. doi: 10.1016/j.cyto.2016.04.019. Epub 2016 May 12.

37. P-Selectin Targeted Dexamethasone-Loaded Lipid Nanoemulsions: A Novel Therapy to Reduce Vascular Inflammation. Simion V, Constantinescu CA, Stan D, Deleanu M, Tucureanu MM, Butoi E, Mănduțeanu I, Simionescu M, Calin M. *Mediators Inflamm*. 2016;2016:1625149. Epub 2016 Sep 14.
38. Emerging Nanocarriers-based Approaches to Diagnose and Reduce Vascular Inflammation in Atherosclerosis. Calin M, **Mănduțeanu I**. *Curr Med Chem*. 2017;24(6):550-567. doi: 10.2174/0929867324666161123091627. Review.
39. Lipopolysaccharide-induced inflammation in monocytes/macrophages is blocked by liposomal delivery of G_i-protein inhibitor. Tucureanu MM, Rebleanu D, Constantinescu CA, Deleanu M, Voicu G, Butoi E, Calin M, **Mănduțeanu I**. *Int J Nanomedicine*. 2017 Dec 20;13:63-76.
40. Macarie RD, Vadana M, Ciortan L, Tucureanu MM, Ciobanu A, Vinereanu D, Mănduțeanu I, Simionescu M, Butoi E. The expression of MMP-1 and MMP-9 is up-regulated by smooth muscle cells after their cross-talk with macrophages in high glucose conditions. *J Cell Mol Med*. 2018 Sep;22(9):4366-4376.
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