



## Curriculum Vitae

### Informatii personale

Nume / Prenume	<b>Gavriliuc Oana Isabella</b>
Adresa	Str. Martir I. Mariutac, B27, ap.3, 300274, Timisoara, Romania
Telefon	
E-mail	<a href="mailto:gavriliuc.oana@umft.ro">gavriliuc.oana@umft.ro</a>
Nationalitate	romana
Sex	feminin

### Experienta profesionala

Perioada	Oct 2011– prezent
Funcția sau postul ocupat	Asistent universitar
Activități și responsabilități principale	Activitate didactică, administrativă și de cercetare
Numele și adresa angajatorului	Disciplina de Imunologie, Dept. III – Științe Functionale, Universitatea de Medicină și Farmacie „Victor Babes” Timisoara, P-ta Eftimie Murgu nr.2. Timisoara
Sectorul de activitate	Academic
Perioada	Mai 2011 – Aprilie 2013
Funcția sau postul ocupat	Postdoctorand
Activități și responsabilități principale	Cercetare științifică
Numele și adresa angajatorului	Universitatea de Agricultură și Medicină Veterinară a Banatului Timisoara Calea Aradului, no.119, 300645 Timisoara (Romania)
Sectorul de activitate	Academic
Perioada	Noiembrie 2006 - Iunie 2010
Funcția sau postul ocupat	Doctorand cu frecvență
Activități și responsabilități principale	Activitate didactică și de cercetare
Numele și adresa angajatorului	Universitatea de Medicină și Farmacie „Victor Babes” Timisoara, P-ta Eftimie Murgu nr.2. Timisoara
Sectorul de activitate	Academic

### Educație și formare

Perioada	Octombrie 2013 –Iunie 2015
Calificarea / diploma obținută	Master
Disciplinele principale studiate	Metode și tehnici statistice aplicate în sănătate și cercetare clinică
Numele și tipul instituției de învățământ	Universitatea Politehnică Timisoara, Facultatea de Mecanică, Dept. de Matematică P-ta Victoriei, nr. 2, 300006 Timisoara
Perioada	Mai 2011 – Aprilie 2013
Calificarea / diploma obținută	Bursa postdoctorală
Disciplinele principale studiate	Optimizarea metodei de obținere a celulelor pluripotente induse din celule somatice bovine
Numele și tipul instituției de	Universitatea de Agricultură și Medicină Veterinară a Banatului Timisoara,

invatamant Facultatea de Medicina Veterinara, Dept. de Embriologie

Perioada Nov 2006 - prezent

Calificarea / diploma obtinuta Doctorand cu frecventa

Disciplinele principale studiate Teza de doctorat „Perspective privind tratamentul cu celule stem in diabetul zaharat”

Numele si tipul institutiei de invatamant Universitatea de Medicina si Farmacie „Victor Babes” Timisoara, Disciplina de Imunologie

Perioada Octombrie 2002 – Iunie 2006

Calificarea / diploma obtinuta Diploma de licenta de chimist-biolog

Disciplinele principale studiate Chimie-Biologie

Perioada Octombrie 1998 – Iunie 2002

Calificarea / diploma obtinuta Diploma de Bacalaureat

Disciplinele principale studiate Colegiul National Banatean Timisoara

### Aptitudini si competente personale

Limba materna **Romana**

Limbi straine cunoscute

Autoevaluare

**Limba engleza**

**Limba germana**

**Limba franceza**

Intelegere				Vorbire				Scriere	
Ascultare		Citire		Participare la conversatie		Discurs oral		Exprimare scrisa	
C2	Utilizator competent	C2	Utilizator competent	C2	Utilizator competent	C2	Utilizator competent	C2	Utilizator competent
B1	Utilizator independent	B1	Utilizator independent	B1	Utilizator independent	B1	Utilizator independent	B1	Utilizator independent
B1	Utilizator independent	B1	Utilizator independent	B1	Utilizator independent	B1	Utilizator independent	B1	Utilizator independent

(\*) [Common European Framework of Reference for Languages](#)

Cursuri de perfectionare (selectate)

- Stemgent *Human iPS Cell Training Course* on cellular reprogramming techniques, La Jolla, CA, USA (April 2011)
- FOCIS/JSI *Immunology Update Special Teaching Course*, Prof. Dr. Abul K. Abbas and Prof. Dr. Andrew H. Lichtman, 14th International Congress of Immunology, Kobe, Japan (Aug 2010), with travel grant offered by the International Union of Immunological Societies
- CONCERT Labcourse, *Lentiviral vectors: concepts, practice, hope and reality*, Universite d'Evry-Val d'Essonne, Evry, France (June 29 – July 5, 2008), with travel grant
- Training course *Transdifferentiation to Beta Cells*, Juvenile Diabetes Research Foundation University of Bath, UK (June 26-28, 2007), with travel grant
- Francophone summer school *Pathologies and Molecular Pharmacology. Biotechnologies* coordinated by Pr. Emér. Jean Montreuil (Université des Sciences et Technologies de Lille) Arad, Romania (July 2005)

Competente si abilitati sociale

- Capacitatea de a lucra cu grupuri mari de persoane in cadrul unor proiecte de cercetare complexa, nationale si internationale;
- Foarte buna capacitate de comunicare;
- Abilitate foarte buna de adaptare la medii culturale variate;
- Initiativa puternica si creativitate;

Competente si aptitudini organizatorice

- Experienta in organizarea de workshop-uri si sesiuni de instruire;
- Experienta in supravegherea si coordonarea de studenti si doctoranzi;

Competente si aptitudini tehnice

- Citometrie in flux (BD FACScalibur, CellQuest/CellQuest Pro software): imunofenotipare si diagnostic de leucemii, analiza celulelor stem;
- Secventializare ADN (ABI Genetic Analyzer 3130)

Competente si aptitudini de utilizare a calculatorului	<ul style="list-style-type: none"> <li>• qPCR (Roche Lightcycler 480): expresie genica, genotipare SNP;</li> <li>• Culturi celulare (celule stem adulte si pluripotente, linii celulare, culturi primare);</li> <li>• Competenta avansata (sisteme de operare PC si Apple, Word/Pages/Mellel, Excel/Numbers, Powerpoint/Keynote, Adobe Photoshop CS5, Prism 4 Graphpad, SPSS, Sente/Reference Manager, Adobe Lightroom 2, Adobe Acrobat);</li> <li>• Notiuni de bioinformatica (CLC Bio DNA Workbench, Serial Cloner, Geneious, Vector NTI);</li> </ul>
Permise de conducere	Permis de conducere categoria B; permis de barca categoriile C si D;
<b>Burse obtinute</b>	<ul style="list-style-type: none"> <li>• PhD Program – visiting student at Radboud University Nijmegen Medical Center, The Netherlands</li> <li>• Internal Medicine Dept. – Immunology and Infectious Diseases (Oct – Dec, 2009)</li> <li>• Bursa Rotary la Canisius-Wilhelmina Hospital, Nijmegen, Olanda</li> <li>• Molecular Diagnostics Dept. (March-April, 2009)</li> <li>• Bursa de cercetare la centrul de transfuzii DRK-Blutspendedienst, Frankfurt oferita de J.W.Goethe University, Frankfurt, Germany (July-Sept, 2007)</li> <li>• Bursa de cercetare pentru tineri doctoranzi CNCSIS, 2007-2010</li> <li>• Premiul ‘Student Eminent’ al Facultatii CBG, oferit de Asociatia Orizonturi Universitare, 2004</li> <li>• Reprezentantul studentilor in consiliul profesoral al CBG, 2003-2005</li> <li>• Bursa Nationala de Performanta, MECT, 2004-2006</li> <li>• Bursa Nationala de Merit, MECT, 2002-2004</li> </ul>
<b>Informatii suplimentare</b>	<p><b>Apartenenta la organizatii profesionale:</b></p> <ul style="list-style-type: none"> <li>• International Society for Infectious Diseases (Member no. 00052939, 2010 – present)</li> <li>• American Society for Microbiology (Member ID: 56677735, 2010 – present)</li> <li>• Romanian Society of Immunology (2010 – present)</li> <li>• Order of Biochemists, Biologists and Chemists in the Medical System in Romania (2010 – present)</li> <li>• Singapore Stem Cell Society (2009 – present)</li> <li>• European Association for Cancer Research – EACR (2008 – 2010)</li> </ul>
<b>Anexe</b>	<p><b>Anexa 1</b> – Lista de proiecte de cercetare</p> <p><b>Anexa 2</b> – Publicatii</p> <p><b>Anexa 3</b> – Brevete</p>

## Anexa 1 PROIECTE DE CERCETARE

Proiect	Funcția	Perioada
<i>Dezvoltarea unui vaccin peptidic profilactic pentru COVID-19 bazat pe epitopi recunoscuți de sistemul imun (DECODE), Nr. 11Sol/2020</i>	Membru in echipa	2020-2021
<i>PN-III-P1-1.2-PCCDI-2017-0527 Dezvoltarea de BIONanotehnologii bazate pe Vezicule Extracelulare, aplicabile în diagnosticul precoce, prognosticul și terapia bolii Aterosclerotice (BIOVEA) 83CCDI / 2018</i>	Membru in echipa	2018-2021
<i>Tehnicii de bioimprimare 3D pentru obținere de structuri tisulare care mimează micromediul tumoral (DeLIMIT) 100PED/2017</i>	Membru in echipa	2017-2018
<i>POC-A1-A1.4-E-2015 Oncoimunoterapie cu celule Natural Killer purtătoare de receptori himerici de antigen, P_37_786/103662</i>	Membru in echipa	2016-2020
<i>PN-II-RU-PD-2012-3 Induction of mesenchymal stem cells into insulin secreting cells as diabetes therapy, nr. 31/26.04.2013</i>	Director	2013-2015
<i>PN-II-PCCA-2011-3.2 Translating stem cell technologies to the conservation of highly endangered species (CONSENS), nr.120/2012</i>	Membru in echipa	2012-2015
<i>PN-II-ID-PCE-2011-3 Tumor-associated fibroblasts as novel therapeutic target in anti-tumor therapy – identification of origin, role and characteristic molecular markers, nr. 318/2012</i>	Membru in echipa	2012-2015
<i>PN II -Idei, nr.1748/2008 Studies regarding in vitro differentiation of mesenchymal stem cells towards adipocytes and validation of molecular factors involved in adipogenesis</i>	Membru in echipa	2008-2011
<i>PN II – Parteneriate complexe, nr. 41-049/2008 Molecular mechanisms of thymic involvement in diabetes</i>	Membru in echipa	2008-2011
<i>PN II – Capacitati – Program de cooperare bilaterala Romania-Ungaria nr.88/2008 Isolation, characterization and in vitro differentiation of variety of animal and human embryonic and adult stem cells</i>	Membru in echipa	2007-2009
<i>PN II - Parteneriate complexe, nr. 41-019/2007, Genetic engineering of cancer stem cells for immune response modulation in cancers of non-viral origin</i>	Membru in echipa	2007-2010
<i>PN II - Idei, nr.198/2007, Cellular and molecular mechanisms involved in mesenchymal stem cell differentiation towards an epithelial lineage</i>	Membru in echipa	2007-2010

## Anexa 2. PUBLICATII

### ARTICOLE IN EXTENSO

1. Bojin F, GAVRILIUC OI, Margineanu M, Paunescu V. Design of an Epitope-Based Synthetic Long Peptide Vaccine to Counteract the Novel China Coronavirus (2019 nCoV). *Preprints* 2020, 2020020102
2. Olteanu GE, Mihai IM, Bojin F, GAVRILIUC OI, Paunescu V. The natural adaptive evolution of cancer: The metastatic ability of cancer cells. *Bosn J Basic Med Sci.*, 2020; 20(3): 303-309.
3. Popa L, Crisnic D, Nistor D, Plesca D, Tatu C, Tanasie G, Zogorean R, GAVRILIUC OI, Anghel S, Bojin F, Paunescu V. Modern application of Next-Generation Sequencing (NGS). *Fiziologia-Physiology* 2019; Vol. 29, No. 2(98): 9-16.
4. Plesca D, Crisnic D, Nistor D, Tatu C, Tanasie G, Zogorean R, Anghel S, GAVRILIUC OI, Bojin F, Paunescu V. *Fiziologia-Physiology* 2019; Vol. 29, No. 2(98): 38-43.
5. Barbulescu G, Bojin F, Ordodi V, Anghel S, GAVRILIUC OI, Paunescu V. Human induced pluripotent stem cells-derived cardiomyocytes for cardiac applications. *Fiziologia-Physiology* 2019; 29(97): 5-13.
6. Szekely FAE, Zogorean R, Anghel S, GAVRILIUC OI, Bojin F, Paunescu V. CAR-T cells therapy versus TILs therapy: the future of cancer immunotherapy. *Fiziologia-Physiology* 2018; Vol. 28, No. 1(95): 4-15.
7. Zogorean R, GAVRILIUC OI, Bojin F, Paunescu V. Real-time imaging of NK-92 cells interaction with tumoral cell lines. *Fiziologia-Physiology* 2018; Vol. 28, No. 2(96): 4-9
8. Nagib R, Zogorean R, GAVRILIUC OI, Szuhaneck C, Moldoveanu B, Negrutiu ML, Sinescu C, Paunescu V, Brad S *Cytotoxicity Assessment of Metal and 3D Printed Resin Orthodontic Attachments. An in vitro cell culture behavior study*, Revista de Chimie **69**, No.6, 2018: 1515-18
9. Tatu CS, Groza S, Tatu FR, Bojin FM, Marusciac L, Gavriiuc O, Hurmuz M, Cean A, Paunescu V, Tanasie G *In vivo Functional Studies of Human Adult Mesenchymal Stem Cells Migration towards Inflammatory Lesions after Transfection with CD29 Specific siRNA in Mouse Models*, *Rom Biotechnol Lett* (2015), 20 (6): 11057-66
10. Anastasiu MD, Cean, A.; Bojin, F.; Gavriiuc, O.; Gluhovschi, A.; Anastasiu, D.; Craina, M.; Tatu, C.; Tanasie, G.; Panaitescu, C.; Paunescu, V. *Placental Stem Cells Modulate Tumor Formation In Mouse Model Of Uterine Sarcoma*, *Fiziologia-Physiology* (2015), 25(1): 26-30
11. Groza S, Anghel S, Cristea M, Tatu C, Tanasie G, Panaitescu C, Gavriiuc O, Paunescu V, Bojin F *Telomere Length Changes In Alzheimer Disease*, *Fiziologia-Physiology* (2014), 24(2): 27-30
12. GAVRILIUC OI, Bojin FM, Paunescu V *Furin-cleavable Insulin Expressed in Mesenchymal Stem Cells as Diabetes Therapy*, *Fiziologia-Physiology* (2015), 25(4): 28-34
13. Groza S, Anghel S, Tatu C, Tanasie G, Panaitescu C, Gavriiuc O, Paunescu V, Bojin F *Lymphocytes Subsets Involved In Alzheimer Disease-Associated Immunosenesence*, *Fiziologia-Physiology* (2014), 24(1): 22-26
14. Paunescu V, Bojin FM, GAVRILIUC OI, Taculescu EA, Ianos R, Ordodi VL, Iman VF, Tatu CA. *Enucleation: a possible mechanism of cancer cell death*, *J Cell Mol Med.* 2014 Jun;18(6):962-5
15. Tatu C, Bojin MF, Gruia A, Ordodi V, Mic F, Iman V, Cean A, GAVRILIUC OI, Paunescu V. *Features of Lipid Metabolism along Differentiation Pathway of Human Mesenchymal Stem Cells towards Mature Adipocytes*, *Rom Biotechnol Lett*, 19 (2), pg. 9257-9271, 2014
16. Ilie DE, Cean A, GAVRILIUC OI, Păcală N. *Rapid and Sensitive Detection of BLAD in Cattle Population*, *Scientific Papers: Animal Sciences and Biotechnologies*, 2014, 47(1)109-112
17. GAVRILIUC O, Paunescu V, Milovanov C, Tulcan C, Hutu I, Mircu C. *In vitro expansion of bovine skeletal muscle progenitor cells*, *Scientific Papers: Veterinary Medicine*, vol. XLVI, 2013
18. Vintila R, GAVRILIUC O, Bojin F, Tatu C, Vintila C, Iovanescu G *Isolation and Characterization of Vestibular Stem Cells*, *Scientific Papers: Animal Sciences and Biotechnologies*, 2013, 46 (2)
19. Ilie DE, Cean A, GAVRILIUC OI, Carstea AC, Gradinaru AC. *High-Resolution Melting Assay as a Tool for Identification of CSN3 Genotypes in Cattle*, *Scientific Papers: Animal Sciences and Biotechnologies*, 2013, 46 (1)
20. Barbu-Tudoran L, GAVRILIUC OI, Paunescu V, Mic FA *Accumulation of tissue macrophages and depletion of resident macrophages in the diabetic thymus in response to hyperglycemia-induced thymocyte apoptosis*, *J Diabetes Complications.* 27(2):114-22 (2013)
21. Vintila R, GAVRILIUC O *Results regarding self renewal and differentiation of cells composing inner ear derived spheres*, *Scientific Papers: Animal sciences & Biotechnologies*, 45(1), pp 358-365 (2012)
22. GAVRILIUC O, Bojin FM, Rosca A, Tatu CA, Paunescu V. *Silencing of the Her2 gene by RNA interference inhibits proliferation of breast cancer cell line SK-BR-3*, *Fiziologia-Physiology*, 21(71), pp 4-9 (2011)
23. Bojin FM, GAVRILIUC O, Cristea MI, Tanasie G, Tatu CS, Panaitescu C, Paunescu V. *Telocytes within human skeletal muscle stem cell niche*, *J. Cell. Mol. Med*, 15(10), pp. 2269-72 (2011)
24. Paunescu V, Bojin FM, Tatu CA, GAVRILIUC O, Rosca A, Gruia A, Tanasie G, Bunu C, Crisnic D, Gherghiceanu M, Tatu FR, Tatu CS, Vermesan S. *Tumour-associated fibroblasts and mesenchymal stem cells: more similarities than differences*, *J. Cell. Mol. Med* 15(3):635-46 (2011)
25. Bojin F, Ordodi V, Anghel S, Gruia A, Gavriiuc O, Georgescu R, Vintila R, Tatu C, Bunu C, Tatu CA, Tanasie G, Paunescu V. *Mesenchymal stem cells admix with biological scaffold heal bone defects in rat model*. *Rom Biotechnol Lett*, 16(3), pp. 6218-25 (2011)
26. Tanasie G, Bojin F, Ordodi V, Gruia A, GAVRILIUC O, Cristea M, Dehelean C, Vintila R, Tatu CA, Bunu C, Paunescu V. *Epithelization of skin lesions in animal model treated with mesenchymal stem cells and derivatives*, *Rom Biotechnol Lett*, accepted for publication (2011)
27. GAVRILIUC O, Tatu CA, Paunescu V *The race to cure diabetes: how far are we from a breakthrough?* *Fiziologia-Physiology*, 20(65), pp 4-8 (2010)
28. Bojin F, Tatu CA, GAVRILIUC O, Gruia A, Tanasie G, Tatu C, Cristea M, Ciuculescu F, Tocut A, Crisnic D, Carabineanu A, Nistor D, Bunu C, Paunescu V. *Stromal cells – tumor microenvironment interactions – Part II*, *Fiziologia - Physiology*, 20(66), pp. 31-36 (2010)

29. Bojin F, Tatu CA, GAVRILIUC O, Gruia A, Tanasie G, Tatu C, Cristea M, Ciuculescu F, Tocut A, Crisnic D, Carabineanu A, Nistor D, Bunu C, Paunescu V. *Stromal cells – tumor microenvironment interactions – Part I*, Fiziologia - Physiology, 20(65), pp. 37-41 (2010)
30. David VL, Izvernariu DA, Bojin F, GAVRILIUC O, Popoiu MC, Tanasie G, Puiu M, Boia ES. *Insulin growth factor I involvement in the etiology of pectus excavatum in children*, Fiziologia - Physiology, 20(65), pp. 17-20 (2010)
31. Bojin MF, Tatu CA, GAVRILIUC O, Ordodi V, Gruia A, Rosca A, Tanasie G, Tatu C, Crisnic D, Nistor D, Cristea M, Anghel S, Boleman A, Bunu C, Paunescu V *In vitro characterization of mechanisms involved in adipogenic differentiation of mesenchymal stem cells and tumour associated fibroblasts*, Fiziologia-Physiology, 19(64), pp 21-6 (2009)
32. Tanasie G, Bojin F, Tatu CA, GAVRILIUC O, Tatu C, Nistor D, Ionita H, Bunu C, Paunescu V. *Mechanisms Involved in Mesenchymal Stem Cells Differentiation towards the Epithelial Lineage. Effects of Chemical Inductors*, Fiziologia – Physiology, 19(63), pp 7-12 (2009)
33. Vintila R, GAVRILIUC O, Gocza E, Paunescu V, Ilie D, Vintila C, Bojin F, Tatu CA *The inner ear of seven day old mice contains pluripotent stem cells*, Scientific Papers: Animal sciences & Biotechnologies, 42(1), pp 115-124 (2009)
34. Vintila R, Ilie D, GAVRILIUC O, Gocza E, Lichner Zs, Vintila C, Nichita I, Cotulbea S, Tatu CA *Utricular epithelia in mice contains pluripotent stem cells*, Scientific Papers: Animal sciences & Biotechnologies, 41(1), pp 174-180 (2008)
35. GAVRILIUC O, Ostafe V. *Comparative study of vitamins B content of some pharmaceutical and dietary supplements*, Annals of West University of Timisoara, Series Chemistry 15(1) (2006), pp 91-102

## CARTI

GAVRILIUC O, Ostafe V. *Balancing the B vitamins. An Insight into the Health Claims of Dietary Supplements*, Quantum Biochemistry Monographs and Specific Interactions 4(2006) pp 1-102

## Teza de doctorat

Title: *Perspectives on the Treatment of Diabetes Mellitus Employing Adult Stem Cell Therapy*

Scientific coordinator: Prof. Dr. Virgil Paunescu

Immunology Dept., University of Medicine and Pharmacy 'Victor Babes', Timisoara (2006-2010)

## Teza de masterat

Title: *Bayesian data analysis of linear models using JAGS*

Scientific coordinators: Lect.-Dr. Maria Jivulescu, Prof. Dr. Jürgen Pilz

MTSSCC, Dept. of Mathematics, The Polytechnic University of Timisoara (2013-2015)

## Abstracte si prezentari la conferinte

1. Bojin F, Tirziu A, GAVRILIUC OI, Paunescu V. *Paradigm shift in vaccine strategy – synthetic long peptides (SLPs)*. A 4-a Conferinta a Asociatiei Romane de Imuno-Dermatologie, A 49-a Conferinta a Societatii de Imunologie din Romania, 30 Septembrie – 03 Octombrie 2020, eveniment onsite si online, Abstract book pg.54.
2. GAVRILIUC OI, Zogorean R, Bojin F, Paunescu V. *CAR-based immunotherapy of EGFR-positive solid tumors using cytokine-activated peripheral blood killer cells*, Human Gene Therapy **30**(12) Dec 2019:A1-A22, International Conference on Lymphocyte Engineering, 13-15 Sep 2019, London
3. Bojin F, GAVRILIUC OI, Zogorean R, Tirziu A, Paunescu V. Next Generation Sequencing for diagnostic, therapeutic orientation and new epitopes prediction in cancer therapy. SRF 2019 Conference. Physiology Today: Innovation, Integration, Translation. Timisoara, Romania, 25-26 October. *Fiziologia-Physiology*, 2019 Supplement 1, Abstract book pg. 19.
4. Bojin F, Gavriiliuc O, Paunescu V *Tumor-associated fibroblasts: generic target of cancer immunotherapy*, Human Gene Therapy **29**(11):A19, International Conference on Lymphocyte Engineering, 13-15 Sep 2018, Madrid, e-poster
5. Bojin F, Bejenariu MI, Robu A, Cean A, Popescu R, Neagu M, GAVRILIUC OI, Neagu A, Paunescu V. *Bioprinted models of the tumor microenvironment: in vivo evaluation and computer simulations – oral presentation*, BIOFABRICATION 2018 International Conference on Biofabrication, 28-31 October 2018, Würzburg, Germany.
6. Cean A, Ilie D, Gavriiliuc O, Paunescu V *Reproductive biotechnologies for the conservation of Romanian Grey Steppe genetic heritage*, *Journal of Biotechnology* 231, 2016, S100
7. Bojin M, Gavriiliuc O, Tatu CS, Tanasie G, Panaitescu C, Tatu CA, Paunescu V *Cytotoxic T lymphocytes functionally active against tumor microenvironment-derived specific antigen*, *European Journal of Cancer* 50, Suppl 5. 2014, S217
8. GAVRILIUC OI, Bojin F, Paunescu V *Are tumor-associated fibroblasts mesenchymal stem cell?* Stem Cells & Epigenetics Abstract Book, 16-18 Oct 2014, pg.42, poster
9. GAVRILIUC OI, Bojin FM, Tatu CA, Paunescu V *Genetically-engineered insulin not recognized by autoreactive T Cells in T1D*, Cell Symposia- Systems Approach to Metabolic Disease Abstract Book, Chicago, 1-3 Oct 2014, poster (P22)
10. Lazarovicz R, Toma M, Gavriiliuc O, Marusciac L, Gruia A, Tatu C, Tanasie G, Panaitescu C, Bojin F, Paunescu V. *Repurposing Na+/K+ pump blockers for in vitro suppression of tumor development*. Front. Immunol. Conference Abstract: 15<sup>th</sup> International Congress of Immunology, August 22-27, 2013, Milan, Italy, Abstract book, pg.843, doi: 10.3389/conf.fimmu.2013.02.00498
11. Toma M, Lazarovicz R, Gavriiliuc O, Marusciac L, Gruia A, Tatu C, Tanasie G, Panaitescu C, Bojin F, Paunescu V. *Tumor associated fibroblasts are endowed with increased ability to support tumor development*. Front. Immunol. Conference Abstract: 15<sup>th</sup> International Congress of Immunology, August 22-27, 2013, Milan, Italy, Abstract book, pg.963 doi: 10.3389/conf.fimmu.2013.02.00446

12. Gavriluc O, Paunescu V, Ilie D, Milovanov C, Tulcan C, Hutu I, Mircu C *Gene expression patterns during in vitro differentiation of bovine skeletal muscle*, Current Opinion in Biotechnology 24S, pg. S143 (2013), European Biotechnology Congress, Bratislava May 16-18, 2013, poster presentation
13. Ilie DE, Cean A, Gavriluc OI, Neo SI, Chirila D, Hutu I, Pacala N *High-resolution Melting Analysis for the Rapid and Sensitive Detection of BLAD*, Current Opinion in Biotechnology, 24S, pg. S49 (2013), European Biotechnology Congress, Bratislava May16-18, 2013, poster presentation
14. Bojin F, Gavriluc O, Tanasie G, Tatu C, Panaitescu C, Cernescu L, Marusciac L, Toma M, Lazarovicz R, Paunescu V. *Targeted methods for isolation of human cytotoxic T lymphocytes against tumor microenvironment*. Physiology Conference – New facet of function and dysfunction. Current progress in biomedical sciences and medical education, May 9-10, 2013, Iasi, Romania, Abstract book
15. Bojin F, Ordodi V, GAVRILIUC O, Cristea M, Anghel S, Gruia A, Mic FA, Cean A, Lazarovicz R, Toma M, Marusciac L, Tanasie G, Tatu C, Panaitescu C, Paunescu V. *In vitro models for understanding molecular mechanisms underlying occurrence of obesity*. Conference and Advanced Translational Research Workshop: Chronic Diseases –From Pathogenesis to Therapy, 25-27 Oct 2012, Timisoara, Abstract book pg. 37, ISBN 978-606-8054-93-3, oral presentation
16. Bojin F, Ordodi V, Anghel S, Cristea M, GAVRILIUC O, Marusciac L, Toma M, Lazarovicz R, Panaitescu C, Paunescu V. *Na/K – ATP-ase blockers inhibit functionality of bone marrow-derived mesenchymal stem cells*. Conference and Advanced Research Workshop – Sudden Cardiac Death and Cardioprotection, 6-9 Sept 2012, Timisoara, Abstract book pg. 97
17. Cernescu L, Toma M, Bojin F, GAVRILIUC O, Anghel S, Cristea M, Gruia A, Tatu C, Tanasie G, Panaitescu C, Paunescu V. *Proliferative potential of double positive CD4+/CD8+ T cells in co-culture system with tumor cells*. The 24th Annual Immunology Conference, 27-29 Sept 2012, Bucharest, Abstract Book pg. 102
18. Bojin F, GAVRILIUC O, Cristea MI, Gruia AT, Anghel S, Tatu CS, Tanasie G, Panaitescu C, Tatu CA, Paunescu V. *Ouabain inhibits in vitro proliferation of tumour-associated fibroblasts and cancer cell lines*. European Journal of Cancer 48, Suppl. 5 (2012): S52; Proceedings Book, 22<sup>nd</sup> Biennial Congress of the European Association of Cancer Research –From basic research to personalized cancer treatment, 7-10 July 2012, Barcelona, Spain
19. Bojin F, Ordodi V, GAVRILIUC O, Cristea M, Anghel S, Gruia A, Nistor D, Crisnic D, Boleman A, Tanasie G, Tatu C, Panaitescu C, Paunescu V. *Na/K pump inhibitors decrease proliferation of normal and tumor cells*. Fiziologia-Physiology, 2012, Suppl.: 34 – The 11th national Congress of the Romanian Society of Physiological Sciences, 10-12 May 2012, Timisoara, oral presentation
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### Anexa 3 BREVETE

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