



## OANA ISABELLA GAVRILIUC

OncoGen Centrul de Terapii Genice și Celulare în Tratamentul Cancerului  
Spitalul Clinic Județean de Urgență "Pius Brinzeu" Timișoara  
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### EDUCATIE

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Doctorat în Medicină | 2006-2010

Departamentul de Imunologie, Universitatea de Medicină și Farmacie „Victor Babeș” Timișoara  
Teză: *Perspectives on the Treatment of Diabetes Mellitus Employing Adult Stem Cell Therapy*,  
Coordonator științific Prof. Dr. Virgil Paunescu

Master (MSc), Metode și tehnici statistice aplicate în cercetarea clinică și studii de sănătate | 2013-2015  
Departamentul de Matematică, Universitatea Politehnica, Timișoara.

Diplomă de Licență, Chimie-Biologie | 2002-2006  
Departamentul de Chimie-Biologie, Universitatea de Vest din Timișoara.

Diplomă de Bacalaureat | 1998-2002  
Colegiul Național Bănățean, Timișoara.

### EXPERIENȚA PROFESIONALĂ

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Asistent universitar | 2011 - prezent  
Departamentul de Imunologie, Universitatea de Medicină și Farmacie „Victor Babeș” Timișoara

Cercetător științific | 2016-prezent  
Centrul OncoGen, Spitalul Clinic Județean de Urgență „Pius Brinzeu” Timișoara

Cercetător postdoctoral | 2013-2015  
CIFB, Spitalul Clinic Județean de Urgență „Pius Brinzeu” Timișoara

Cercetător postdoctoral | 2011-2013  
Departamentul de Embriologie, Universitatea de Științe Agricole și Medicină Veterinară a  
Banatului Timișoara

Doctorand | 2006-2010  
Departamentul de Imunologie, Universitatea de Medicină și Farmacie „Victor Babeș” Timișoara

#### Aptitudini și competențe tehnice:

- Citometrie în flux (BD FACScalibur, BD FACScverse, BD FACSAria, Miltenyi MACSQuant): imunofenotipare, teste de citotoxicitate, viabilitate și proliferare celulară, conținut de ADN, cell tracking și sortare celulară;
- Culturi celulare: celule tumorale, celule derivate din sânge, linii celulare, celule stem și iPSC, culturi primare din probe de țesut;
- Biologie moleculară: expresie genică, clonare moleculară, transfecție, producție și transducție de vectori lentivirali, inhibiție RNA, reprogramare celulară;
- Imagistică și microscopie: imunocitochimie, imunofluorescență, monitorizare celulară;

**Bioinformatică și analiză de date:**

- Bioinformatică aplicată: proiectare de vectori, configurare experimentală pentru clonarea genelor, analiza datelor de secvențiere și de expresie genică folosind CLC Bio DNA Workbench, Serial Cloner, Geneious, Vector NTI și diverse platforme *open-access*;
- Software statistic: utilizare avansată a programelor Graphpad Prism 7, SPSS și limbajul R.;

**Competențe și aptitudini organizatorice:**

- Experiență bună în managementul proiectelor de cercetare (3 ani în calitate de director de proiect);
- Experiență în organizarea de workshop-uri și sesiuni de formare;
- Experiență bună în supravegherea și coordonarea studenților de la licență și master pe parcursul activităților de cercetare și elaborării tezelor;

**Competențe și aptitudini sociale:**

- Capacitate bună de a lucra în grupuri mari, ca parte a unor echipe de proiecte de cercetare complexe, naționale și străine;
- Capacitate foarte bună de adaptare la medii diverse din punct de vedere cultural, demonstrată în timpul diferitelor stagii de formare în laboratoare europene și prin participarea la conferințe și workshop-uri internaționale;
- Abilități de comunicare foarte bune, dezvoltate pe parcursul a 15 ani de activitate didactică și prin participarea cu postere și prezentări orale la conferințe naționale și internaționale;
- Inițiativă puternică și idei originale exprimate în timpul managementului proiectelor de cercetare.

**BURSE SI MOBILITATI**

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Bursă de mobilitate Erasmus+, Dept. de Statistică, Alpen Adria University, Klagenfurt, Austria | Aprilie-Iunie 2015

Vizită de studiu Radboud University Nijmegen Medical Center, Olanda  
Dept. de Medicină internă și boli infecțioase | Oct – Dec, 2009

Bursă Rotary la Spitalul Canisius-Wilhelmina, Nijmegen, Olanda  
Dept. de Diagnostic Molecular | Martie -Aprilie, 2009

Bursă de cercetare la centrul de transfuzie DRK-Blutspendedienst, Frankfurt  
oferită de J.W.Goethe University, Frankfurt, Germania | Iulie -Sept, 2007

Bursă de cercetare pentru doctoranzi.  
oferită de the Consiliul Național de Cercetare Științifică | 2007-2010

Distincția Student Eminent al Facultății de Chimie-Biologie-Geografie,  
oferită de Asociația Orizonturi Universitare | 2004

Reprezentant al studenților Dept. de Chimie în Comitetul Profesorat al CBG | 2003-2005

Bursă Națională de Performanță, MECT | 2004-2006

Bursa Națională de Merit, MECT | 2002-2004

**CURSURI DE FORMARE (SELECTATE)**

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BD FACS Aria training, BD Biosciences, Erembodegem, Belgium | 2015

CMED Clinical Services Romania – internship statistică, Timișoara, Romania | 2014

Stemgent *Human iPS Cell Training Course* în tehnici de reprogramare celulară, La Jolla, CA, USA | 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, cu bursă oferită de International Union of Immunological Societies | 2010  
CONCERT Labcourse, *Lentiviral vectors: concepts, practice, hope and reality*, Universite d'Evry-Val d'Essonne, Evry, France, cu bursă | 2008  
Curs de pregătire *Transdifferentiation to Beta Cells*, Juvenile Diabetes Research Foundation University of Bath, UK , cu bursă | 2007  
Curs de vară *Introduction to Chromatography*, Prof. Dr. Bernd Jastorff UFT Bremen, cu bursă | 2005  
Școala de vară francofonă *Pathologies and Molecular Pharmacology. Biotechnologies* coordonată de Pr. Emér. Jean Montreuil (Université des Sciences et Technologies de Lille) Arad, Romania | 2005  
Curs postuniversitar *Environmental Issues for a Sustainable Society*, Prof.Dr. K.C. Swallow (MIT/Merrimack College), Timișoara | 2005

#### MEMBRU ÎN ECHIPA ÎN PROIECTE DE CERCETARE

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PNRR/2022/C9/MCID/18 *RBC-engager for NK and T cell activation in cancer immunotherapy (REAKT)*, contract nr. 760103/23.05.2023, cod proiect CF 227/29.11.2022 | 2023-2026  
RORS00040 *Cross-border cooperation to foster the resilience of clinical management in cancer patients by establishing best practices in personalized molecular-based diagnostics, treatment, and long-term care (CROSSCARE)* | 2024-2026  
PN-III-P2-2.1-SOL *Development of new technologies, drugs and vaccines for prevention of SARS-CoV-2 (DECODE)* | 2020-2021  
PN-III-P1-1.2-PCCDI *Development of BIONanotechnologies based on Extracellular Vesicles, applied in early diagnostic, prognosis and therapy of atherosclerotic disease (BIOVEA) – 83PCCDI* | 2018-2021  
PN-III-P2-2.1-PED *3D bioprinting methods for obtaining tissue constructs of tumor microenvironment* | 2017-18  
POC-A1-A1.1.4 *Chimeric Antigen Receptor Targeted Oncoimmunotherapy with Natural Killer cells* | 2016-2020  
PN-II-RU-PD *Induction of mesenchymal stem cells into insulin secreting cells as diabetes therapy*, project director | 2013-2015  
PN-II-PCCA *Translating stem cell technologies to the conservation of highly endangered species (CONSENS)* | 2012-2015  
PN-II-ID *Tumor-associated fibroblasts as novel therapeutic target in anti-tumor therapy – identification of origin, role and characteristic molecular markers* | 2012-2015  
PN-II-Parteneriate Complexe, *Molecular mechanisms of thymic involvement in diabetes* | 2008-11  
PN-II-Capacități Cooperare Bilaterală Romania-Ungaria *Isolation, characterization and in vitro differentiation of variety of animal and human embryonic and adult stem cells* | 2007-2009  
PN-II-Partneriate Complexe, *Genetic engineering of cancer stem cells for immune response modulation in cancers of non-viral origin* | 2007-2009  
PN-II-Parteneriate Complexe, *In vitro lymphocyte therapy – a modern approach to tolerance induction during organ transplant* | 2007-2010

#### PATENTE

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1. Bojin MF, GAVRILIUC OI, Ordodi LV, Sălăgean AO, Tîrziu A, Panaitescu C, Păunescu V. *Produs și metodă pe bază de peptide lungi sintetice pentru prevenția infecției cu SARS-CoV-2*, nr. a 2022 0005/20.01.2022, Oficiul de Stat pentru Inventții și Mărci (OSIM), Direcția de brevete de invenție și

informații tehnologice

2. GAVRILIUC OI, Bojin MF, Hritcu EM, Tudor BAM, Mircu C, Huțu I. "Instrument și metodă pentru izolarea celulelor somatice din lapte", aplicația RO202100600A-2021-09-30; publicație RO135472A0-2022-01-28; publicat ca RO135472A0, Oficiul de Stat pentru Invenții și Mărci (OSIM), Direcția de brevete de invenție și informații tehnologice
3. Hutu I, Panaitescu C, Tanasie G, Gaspar CM, Zambori C, Tatu CS, Anghel S, GAVRILIUC OI, Paunescu V. Casetă microbiologică de asigurare a microclimatului pentru creșterea și dezvoltarea biofilmelor bacteriene. Aplicație RO202100557A-2021-09-16; Publicație RO135526A0-2022-02-28; Publicat ca RO135526A0. Oficiul de Stat pentru Invenții și Mărci (OSIM), Direcția de brevete de invenție și informații tehnologice
4. Ordodi LV, Dumitrel GA, PanA AM, Todea A, Matiu-Iovan L, Ionel RC, Sandesc D, Bedreag OH, Papurica M, Rogobete AF, Simion I, Motica A, Groapa DS, Paunescu V, Bojin MF, GAVRILIUC OI. „Dispozitiv pentru reducerea încărcăturii microbiologice a aerului expirat de pacienții ventilați mecanic”, no.134883, 22/05/2020, Oficiul de Stat pentru Invenții și Mărci (OSIM), Direcția de brevete de invenție și informații tehnologice
5. Bojin MF, GAVRILIUC OI, Tanasie G, Tatu CA, Panaitescu C, Paunescu V, Nedeia CE. „Bispecific Celule selective bispecifice CAR-T pentru tratamentul tumorilor solide și metoda de obținere”, nr. A/00704/2020, data depunerii 06/11/2020, Oficiul de Stat pentru Invenții și Mărci (OSIM), Direcția de brevete de invenție și informații tehnologice
6. Nedeia CE, Paunescu V, GAVRILIUC OI, Zogoreanu R, Ivan A, Cristea IM, Tatu CA, Bojin MF, Anghel SS. „Celule citotoxice purtatoare de receptori himerici de antigen universali care tintesc antigene diverse și multiple pentru tratament adoptiv”, nr. A/00705/2020, date of deposit 06/11/2020, Oficiul de Stat pentru Invenții și Mărci (OSIM), Direcția de brevete de invenție și informații tehnologice
7. Ordodi LV, Vatau D, Salinschi M, Olariu AF, Dumitrel GA, Pana AM, Vaszilcsin N, Dan ML, Matiu-Iovan L, Ionel RC, Udrea IA, Bonciog DD, Veres DA, Stanese CM, Paunescu V, Bojin MF, GAVRILIUC OI, Lukinich-Gruia AT, Negru S, Crisnic D, Frunza GV. Dispozitiv electrostatic pentru măsurarea tensiunii electrice cu element indicator optic. Aplicație ROA202200635A; Publicat ca RO137476A0, Oficiul de Stat pentru Invenții și Mărci (OSIM), Direcția de brevete de invenție și informații tehnologice

## PUBLICATII

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### Articole in extenso

1. Tirziu A, Bojin MF, GAVRILIUC OI, Faur CI, Paunescu V. From CAR-T Cells to Exosome-Based Immunotherapy: Exploring the Frontiers of Cell-Free Targeted Cancer Therapeutics. *Cells*. 2026; 15(1):70. <https://doi.org/10.3390/cells15010070>; IF = 5.2
2. Tirziu A, GAVRILIUC OI, Bojin MF, Paunescu V. Exploring CAR-PBMCs: A novel strategy against EGFR-positive tumor cells. *Biomedicines* 2025; 13: 264; DOI: 10.3390/biomedicines13020264; WOS:001430632700001; eISSN: 2227-9059; IF = 3.9
3. Buda VO, Oprean C, GAVRILIUC OI, Diaconeasa Z, Cata A, Haidu D, Minda D, Paunescu A, Dehelean CA, Danciu C. Inorganic Element Identification and In Vitro Preliminary Evaluation of Three Types of Standardized Black Chokeberry Extracts Against Human Pulmonary Artery Endothelial Cells (HPAECs). *Plants* 2025, 14(8): 1202. DOI: <https://doi.org/10.3390/plants14081202>; IF = 4.1
4. Harich OO, GAVRILIUC OI, Ordodi VL, Tirziu A, Paunescu V, Panaitescu C, Bojin MF. In Vitro Study of the Multimodal Effect of Na<sup>+</sup>/K<sup>+</sup> ATPase Blocker Ouabain on the Tumor Microenvironment and Malignant Cells. *Biomedicines*, 2023; 11: 2205; DOI: <https://doi.org/10.3390/biomedicines11082205>; IF = 4.7
5. Barbulescu GI, Bojin FM, Ordodi VL, Goje ID, Buica TP, Gavriliuc OI, Baderca F, Hoinoiu T, Paunescu V. Innovative Biotechnology for Generation of Cardiac Tissue. *Applied Sciences*. 2021; 11(12):5603.
6. Bojin F, Robu A, Bejenariu MI, Ordodi V, Olteanu E, Cean A, Popescu R, Neagu M, GAVRILIUC O, Neagu A, Arjoca S, Păunescu V. 3D Bioprinting of Model Tissues That Mimic the Tumor Microenvironment. *Micromachines* (Basel). 2021 May 9;12(5):535.
7. 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
8. 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.
9. Popa L, Crisnic D, Nistor D, Plesca D, Tatu C, Tanasie G, Zogoreanu 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.
10. 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.
  11. 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.
  12. 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
  13. 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
  14. 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
  15. 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
  16. 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
  17. 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
  18. GAVRILIUC OI, Bojin FM, Paunescu V *Furin-cleavable Insulin Expressed in Mesenchymal Stem Cells as Diabetes Therapy*, *Fiziologia-Physiology* (2015), 25(4): 28-34
  19. Groza S, Anghel S, Tatu C, Tanasie G, Panaitescu C, Gavriiuc O, Paunescu V, Bojin F *Lymphocytes Subsets Involved In Alzheimer Disease-Associated Immunosenescence*, *Fiziologia-Physiology* (2014), 24(1): 22-26
  20. 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
  21. 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
  22. 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
  23. 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
  24. 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)
  25. 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)
  26. 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)
  27. 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)
  28. 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)
  29. 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)
  30. 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)
  31. 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)
  32. 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)
  33. 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)
  34. 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)
35. 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)
  36. 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)
  37. 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)
  38. 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)
  39. 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)
  40. 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)
  41. 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

#### Cărți

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, Alpen-Adria University Klagenfurt

#### Abstracte și prezentări

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 O, 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 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
4. Cean A, Ilie D, GAVRILIUC O, Paunescu V *Reproductive biotechnologies for the conservation of Romanian Grey Steppe genetic heritage*, Journal of Biotechnology 231, 2016, S100
5. 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
6. 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
7. GAVRILIUC OI, Bojin FM, Tatu CA, Paunescu V *Genetically-engineered insulin not recognized by*

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8. Lazarovicz R, Toma M, GAVRILIUC O, Marusciac L, Gruia A, Tatu C, Tanasie G, Panaitescu C, Bojin F, Paunescu V. *Repurposing Na<sup>+</sup>/K<sup>+</sup> 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
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