

Curriculum vitae Europass



Personal information

First name / Surname **CRISTEA IUSTINA-MIRABELA**

Address Duboz, No. 159, Timis, Romania

E-mail buncceanum@yahoo.com

Nationality Romanian

Date of birth 05.03.1982

Scientific Title PhD in Medical Sciences (2011)

Work experience

Dates 2015 - present

Occupation or position held Principal Biologist in Clinical Immunology - researcher

Main activities and responsibilities Cell cultures, *in vitro* assays, flowcytometry, flowchamber, immunohistochemistry, molecular biology

Name and address of employer Emergency Clinical County Hospital Timisoara, Regional Center for Transplant Immunology

Dates 2009-2015

Occupation or position held Biologist specialized in Clinical Immunology - research assistant

Main activities and responsibilities Cell cultures, *in vitro* assays, flowcytometry, flowchamber, immunohistochemistry, molecular biology

Name and address of employer Emergency Clinical County Hospital Timisoara, Regional Center for Transplant Immunology

Dates 2005-2009

Occupation or position held Biologist – research assistant

Main activities and responsibilities Cell cultures, *in vitro* assays, flowcytometry, flowchamber, immunohistochemistry, molecular biology

Name and address of employer Emergency Clinical County Hospital Timisoara, Regional Center for Transplant Immunology

Education and training

Dates 2014

Title of qualification awarded	Principal Biologist – Clinical Immunology
Principal subjects/occupational skills covered	Immunology
Name and type of organisation providing education and training	University Centre of Timisoara
Dates	2008-2011
Title of qualification awarded	PhD medical sciences
Principal subjects/occupational skills covered	Cell cultures, <i>in vitro</i> assays, flowcytometry, flowchamber, immunohistochemistry, molecular biology
Name and type of organisation providing education and training	Victor Babes University Of Medicine and Pharmacy, Timisoara
Dates	2009
Title of qualification awarded	Specialized Biologist – Clinical Immunology
Principal subjects/occupational skills covered	Immunology
Name and type of organisation providing education and training	University Centre of Timisoara
Dates	2005-2007
Title of qualification awarded	Master degree in Developmental Biology and Genetics
Principal subjects/occupational skills covered	Developmental Biology
Name and type of organisation providing education and training	West University of Timisoara The Faculty of Chemistry-Biology-Geography Biology Department
Dates	2001-2005
Title of qualification awarded	Bachelor degree in Biology
Principal subjects/occupational skills covered	Biology
Name and type of organisation providing education and training	West University of Timisoara The Faculty of Chemistry-Biology-Geography Biology Department
Dates	1996-2001
Title of qualification awarded	Highschool diploma
Principal subjects/occupational skills covered	Teaching training skills

Name and type of organisation providing education and training	„C.D. Loga” Pedagogic Highschool, Caransebes
Training courses	
	May 10-11 2012; Advanced cellular therapies: from GMP culture to in vivo imaging studies; Workshop of cellular therapies; Victor Babes University Of Medicine and Pharmacy, Timisoara
	March 5-10 2012; Regenerative medicine using cellular transplantation; Specialisation training in stem cells clinical applications POSDRU/81/3.2/S/59616; Victor Babes University Of Medicine and Pharmacy, Timisoara
	May 15-17 2008; Biochemistry and molecular biology modern techniques in clinical laboratory; Postuniversity course in clinical biochemistry and molecular biology; Victor Babes University Of Medicine and Pharmacy, Timisoara
	May 17-19 2007; Modern investigations of clinical biochemistry and molecular biology in clinical laboratory; Postuniversity course in clinical biochemistry and molecular biology; Victor Babes University Of Medicine and Pharmacy, Timisoara
Personal skills and competences	
Technical Skills	Excellent skills in different laboratory techniques involving cell cultures
Mother tongue	Romanian
Other language	English (Understanding, Speaking, Writing – intermediate level)
Social skills and competences	Team spirit, good communication skills
Computer skills and competences	Skills in Microsoft Office™ tools (Word™, Excel™ and PowerPoint™)
Additional information	Research assistant in six research projects. Professional organizations: - Immunological Romanian Society - Biochemists, Biologists and Chemists Order from Romanian Sanitary System
Annexes	Annex 1, Research projects list Annex 2, Publication list

Annex 1 - RESEARCH PROJECTS LIST

Project	Possition	Dates
PN-IIRU-TE-2014-4-0151 Environmental factors and epigenetic mechanisms - a common bond in etiology of kidney chronic diseases	Researcher	2015-2017
PNII-IDEI UEFISCDI No. 318/2012 Tumor-associated fibroblasts as novel target in anti-tumor therapy – identification of origin, role and characteristic molecular markers	Research assistant	2012-2016
PNCD-II Parteneriate No.41-091/2007 Acronim RECON-OS – Bone segment defects reconstruction using seeded biomimetics scaffolds with osteogenic cells	Research assistant	2007-2010

PNCD-II Parteneriate No.41-019/2007 Acronim ONCOSTEM – Genetic Engineering of Cancer Stem Cells for Immune Response Modulation in Cancers of Non-Viral Origin	Research assistant	2007-2010
PNCD-II Parteneriate No.41-057/2007 Acronim AGEing- Novel Therapeutical Strategies of immunosenescence and senescence process	Research assistant	2007-2010
CEEX-Viasan No.80/2006 Acronim SENTAP - Novel strategies for immune response modulation in the elderly: The impact of telomerase and of apoptosis on the T cell immunosenescence process	Research assistant	2006-2008

Annex 2 – PUBLICATION LIST

Publications:

- Mesenchymal Stromal Cells Differentiating to Adipocytes Accumulate Autophagic Vesicles Instead of Functional Lipid Droplets**, [Gruia AT](#), [Suciu M](#), [Barbu-Tudoran L](#), [Azghadi SM](#), [Cristea MI](#), [Nica DV](#), [Vaduva A](#), [Muntean D](#), [Mic AA](#), [Mic FA](#), [J Cell Physiol](#). 2015 Sep 1.
- Polyurethane Nanostructures Incorporating Ursolic and Oleanolic Acids: In Vitro Antiproliferative Evaluation**, Oprean C, Borcan F, [Cristea M](#), Bojin F, Ivan A, Mioc M, Trandafirescu C, Soica C, Paunescu V, *Fiziologia – Physiology*, 2015.25.1(85), 39-44
- Telomere Length Changes in Alzheimer Disease**, Groza S., Anghel S., [Cristea M](#)., Tatu C., Tanasie G., Panaitescu C., Gavriliuc O., Paunescu V., Bojin F.; *Fiziologia – Physiology*, 2014.24.2 (82); 27-30
- Adipocytes Differentiated in vitro from Rat Mesenchymal stem Cells Lack Essential Free Fatty Acids Compared to Adult Adipocytes**, Florina Maria Bojin, Alexandra Teodora Gruia, [Mirabela-lustina Cristea](#), Valentin Laurentiu Ordodi, Virgil Paunescu, Felix Aurel Mic, [Stem Cells Dev](#). 2012 Mar 1;21(4):507-12.
- The morphology of colonies from breast cancer sk-br-3 cells in semisolid media depends on the media composition** Cean A, Istratoaie B, [Cristea M](#), Ivan A, Anghel S, Bojin F, Tanasie G, Tatu C, Panaitescu C, Paunescu V.; *Fiziologia - Physiology*, 2012; 22(75): 5-8.
- Controversies related to cell cultures obtained from various tissular samples**, Bojin F, Gavriliuc O, Ordodi V, [Cristea M](#), Anghel S, Crisnic D, Nistor D, Tatu C, Tanasie G, Panaitescu C, Paunescu V.. *Fiziologia - Physiology*, 2011; 21(72): 4-9.
- Telocytes within human skeletal muscle stem cell niche**, Bojin FM, Gavriliuc OI, [Cristea MI](#), Tanasie G, Tatu CS, Panaitescu C, Paunescu V. *J Cell Mol Med*. 2011; 15(10):2269-2272.
- Aristolochia clematitis* in traditional medicine recipes: toxin or remedy?**, [Mirabela I. Cristea](#), Alexandra T. Gruia, Valentin L. Ordodi, Oana I. Gavriliuc, Ileana Scurtu, Violeta Moica, Simona Anghel, Florin Margineanu, Nikola Pavlovic, Elena Gai, Victor Dumitrascu, Fabian Tatu, Virgil Paunescu, Calin A. Tatu, *Central European Journal of Occupational and Environmental Medicine*, 2009;Vol. 15, No 1-2; 7-18
- Aristolochia clematitis* in medicine: the good and the bad**, [Mirabela I. Cristea](#), Alexandra T. Gruia, Simona Anghel, Elena Gai, Calin A. Tatu, Virgil Paunescu, *Fiziologia - Physiology* 2010.20.1(65), pg. 26-28, ISSN 1223-2076
- Adhesion behavior and functional studies on normal and tumoral cells exposed to *Aristolochia clematitis* aqueous extracts**, [Mirabela Cristea](#), Alexandra Gruia, Florina Bojin, Elena Gai, Moica Violeta, Florina Boldeanu, Gabriela Tanasie, Calin Tatu, Virgil Paunescu, *Analele Științifice ale Universității „Alexandru Ioan Cuza” din Iasi*, Secțiunea Genetică și Biologie Moleculară, TOM XI, 2010,pg 107-112, ISSN 1582-3571
- Stromal Cells - Tumor Microenvironment Interactions – Part I**, Florina Bojin, Calin Tatu, Oana Gavriliuc, Alexandra Gruia, Gabriela Tanasie, Carmen Tatu, [Mirabela Cristea](#), Felicia Ciuculescu, Alexandru Tocut, Daniela Crisnic, Adrian Carabineanu, Daciana Nistor, Carmen Bunu, Virgil Paunescu, *Fiziologia - Physiology* 2010.20.1(65), pg. 37-41, ISSN 1223-2076
- Stromal Cells - Tumor Microenvironment Interactions – Part II**, Florina Bojin, Calin Tatu, Oana Gavriliuc, Alexandra Gruia, Gabriela Tanasie, Carmen Tatu, [Mirabela Cristea](#), Felicia Ciuculescu, Alexandru Tocut, Daniela Crisnic, Adrian Carabineanu, Daciana Nistor, Carmen Bunu, Virgil Paunescu, *Fiziologia - Physiology* 2010.20.2(66), pg. 31-36. ISSN 1223-2076
- Epithelization of skin lesions in animal model treated with mesenchymal stem cells and derivatives**. Gabriela Tanasie, Florina Bojin, Valentin Ordodi, Alexandra Gruia, Oana Gavriliuc,

14. **In Vitro Characterization of Mechanisms Involved in Adipogenic Differentiation of Mesenchymal Stem Cells and Tumor Associated Fibroblasts.**, F Bojin, CA Tatu, O Gavriluc, V Ordodi, A Gruia, A Rosca, G Tanasie, C Tatu, D Crisnic, D Nistor, M Cristea, S Anghel, A Boleman, C Bunu, V Paunescu, *Fiziologia-Physiology*, 2009, vol. 19, nr. 4 (64), pg. 21-27. ISSN 1223-2076
15. **Stem cells and osteoarticular regeneration.** Tanasie G, Tatu C, Bunu C, Tascau M, Igna C, Vasilco R, Cristea M, Paunescu V, Anghel S, Schultzer L, Mirea F, Voicu A, Dema A and V Paunescu. *Fiziologia – Physiology*, 2007; 17(55):7-10
16. **Role of patient's age, gender and associated diseases in clonogenic potential of human MSC,** Tanasie, G., Deak, E., Anghel, S., Paunescu, V., Bunceanu, M., Ionita, H., Siska, IR., Bunu, C., Tatu, C., Paunescu, V., workshop New structures and biomaterials for life and health. Trends and priorities in ERA, Timisoara, *Fiziologia. Physiology*, ISSN 1223-2076, 16, 1 (49), pg.47, 14 aprilie, 2006

Abstracts:

1. **Ouabain inhibits in vitro proliferation of tumour-associated fibroblasts and cancer cell lines.** Bojin F, Gavriluc OI, Cristea MI, Gruia AT, Anghel S, Tatu CS, Tanasie G, Panaitescu C, Tatu CA, Paunescu V. *European Journal of Cancer* 48, Suppl. 5 (2012): S52; Proceedings Book, 22nd Biennial Congress of the European Association of Cancer Research – From basic research to personalized cancer treatment, 7-10 July 2012, Barcelona, Spain.
2. **Molecular expression pattern of human mesenchymal stem cells-differentiated adipocytes,** Paunescu V, Bojin F, Ordodi V, Gavriluc O, Cristea M, Anghel S, Gruia A, Mic FA, Tanasie G, Tatu C, Panaitescu C.. *Fiziologia-Physiology*, 2012; supplement: 22 - The 11th National Congress of the Romanian Society of Physiological Sciences, 10-12 May 2012, Timisoara, Romania.
3. **Na/K pump inhibitors decrease proliferation of normal and tumor cells.** Bojin F, Ordodi V, Gavriluc O, Cristea M, Anghel S, Gruia A, Nistor D, Crisnic D, Boleman A, Tanasie G, Tatu C, Panaitescu C, Paunescu V. *Fiziologia-Physiology*, 2012; supplement: 34 - The 11th National Congress of the Romanian Society of Physiological Sciences, 10-12 May 2012, Timisoara, Romania.
4. **Introspection in molecular expression pattern of human mesenchymal stem cells-differentiated adipocytes.** Bojin F, Ordodi V, Cristea M, Anghel S, Gruia A, Tanasie G, Tatu C, Panaitescu C, Paunescu V Academician Nicolae Cajal Symposium, Bucharest, March 28-31 2012, Abstract book pg. 10
5. **Bone reconstruction model in rats – mesenchymal stem cells and Biological scaffold** Cristea M, Bojin F, Ordodi V, Anghel S, Gruia A, Gavriluc O, Georgescu R, Vintila R, Tatu C, Bunu C, Tatu CA, Tanasie G, Paunescu V.. *Proceedings of the Vth Edition of the Symposium “New Trends and Strategies in the Chemistry of Advanced Materials”*, 3-4 November 2011 Timisoara, Romania, pg.7
6. **Ouabain-induced effects on normal and tumor cell lines** Bojin F, Gavriluc O, Tatu CA, Ordodi V, Rosca A, Cristea M, Gruia A, Anghel S, Nistor D, Crisnic D, Tatu C, Tanasie G, Panaitescu C, Paunescu V.. *Fiziologia-Physiology*, 2011; suppl: 23 - 41st Annual Immunology Conference, 22-24 September 2011, Timisoara, Romania
7. **Multipotent stromal cells of different origins: Insights on in vitro characteristics,** Paunescu V, Bojin F, Gavriluc O, Tatu CA, Ordodi V, Rosca A, Cristea M, Gruia A, Anghel S, Nistor D, Crisnic D, Tatu C, Tanasie G, Panaitescu C *Fiziologia-Physiology*, 2011; suppl: 33 - 41st Annual Immunology Conference, 22-24 September, Timisoara, Romania.
8. **Differences between stromal stem cells from various tissular sources – morphological and functional studies** Bojin F, Cristea M, Ordodi V, Anghel S, Tanasie G, Panaitescu C, Paunescu V. *Romanian Journal of Biochemistry*, 2011; 48 (suppl.): 30 – The Annual International Conference of the Romanian Society of Biochemistry and Molecular Biology, The Conference on “Cellular and Molecular Biotechnologies on Medical Applications”, 28-30 September 2011, Craiova, Romania
9. **In vitro adipogenic differentiation pathway,** Bojin F, Gavriluc O, Tatu CA, Cristea M, Anghel S, Crisnic D, Nistor D, Tatu C, Tanasie G, Panaitescu C, Paunescu V. *The XXVth National Conference of Romanian Society of Physiological Sciences*, 26-28 May 2011, Tg. Mures, Romania
10. **Characterization of stem cells of different origins,** Paunescu V, Bojin F, Cristea M, Gavriluc O, Anghel S, Tanasie G, Tatu C, Panaitescu C.. *The XXVth National Conference of Romanian Society of Physiological Sciences*, 26-28 May 2011, Tg. Mures, Romania
11. **Genetic changes during adipocytes ontogenesis,** Bojin F, Gavriluc O, Tatu CA, Ordodi V, Cristea M, Gruia A, Anghel S, Boleman A, Crisnic D, Tatu, C, Tanasie G, Panaitescu C, Paunescu V.. *VIth Academician Nicolae Cajal Symposium*, Bucharest, March 30-April 01 2011, Abstract book pg. 19.

12. **In vitro suppression of tumor development.** Paunescu V, Bojin F, Gavriluc O, Tatu CA, Ordodi V, Rosca A, Cristea M, Gruia A, Anghel S, Crisnic D, Tatu C, Tanasie G, Panaiteescu C. VIth Academician Nicolae Cajal Symposium, Abstract book pg. 15. Bucharest, March 30 - April 01 2011
13. **Mesenchymal stem cells as model of in vitro adipogenesis,** Ordodi V, Bojin F, Gruia A, Boleman A, Gavriluc O, Cristea M, Anghel S, Tanasie G, Panaiteescu C, Paunescu V. Fiziologia-Physiology, 2011; suppl: 55 - 41st Annual Immunology Conference, 22-24 September, Timisoara, Romania.
14. **Tumor-associated fibroblasts as a subset of mesenchymal stem cells,** Bojin F, Tatu CA, Gavriluc O, Rosca A, Tatu C, Tanasie G, Cristea M, Gruia A, Crisnic D, Nistor D, Anghel S, Bunu C, Paunescu V. Diaspora in Romanian scientific research and higher education – Molecular Medicine, Next generation Conference, 22-23 September 2010, Romanian Academy, Abstract book 48-49
15. **Functional studies on normal and tumoral cells exposed to defferent concentrations of *Aristolochia clematitis* aqueous extracts,** Mirabela Cristea, Alexandra Gruia, Florina Bojin, Elena Gai, Oana Gavriluc, Calin Tatu, Virgil Paunescu, Joint Meeting of Immunology and Clinical Allergology, 28 april – 1 May, 2010, Sibiu, Abstract book pg. 28, ISBN 978-973-88744-3-5
16. **Immunophenotypic characterization of several tumoral cell lines and cytotoxicity evaluation of certain antitumoral compounds by alamar blue assay:** Alexandra Gruia, Florina Bojin, Mirabela Cristea, V. L. Ordodi, Oana Gavriluc, Elena Gai, Simona Anghel, Adriana Rosca, C. Tatu, V. Paunescu, Joint Meeting of Immunology and Clinical Allergology, 28 april – 1 May, 2010, Sibiu, Abstract book pg. 28, ISBN 978-973-88744-3-5
17. **Adipocytes-induced changes in tumor microenvironment and cancer cells behavior:** Bojin Florina, Tatu C, Gavriluc Oana, Boleman Alexandra, Gruia Alexandra, Cristea Mirabela, Anghel Simona, Nistor Daciana, Tatu Carmen, Tanasie Gabriela, Bunu Carmen, Paunescu V. Joint Meeting of Immunology and Clinical Allergology, 28 april – 1 May, 2010, Sibiu, Abstract book pg. 30, ISBN 978-973-88744-3-5
18. **Tumor-associated fibroblasts as an activated subtype of mesenchymal stem cells.** Bojin F, Tatu C, Gavriluc O, Gruia A, Cristea M, Tanasie G, Tatu C, Bunu C, Paunescu V. First European Conference on Mesenchymal Stem Cells, Toulouse, France, November 18-20, 2010, Abstract Book, pg. 51
19. **In vitro induction of bone marrow derived mesenchymal stem cells in epithelial-like cells.** Tanasie G, Bojin F, Tatu CA, Gavriluc O, Tatu RF, Bunu C, Anghel S, Cristea M, Paunescu V. Academician Nicolae Cajal Symposium Vth Edition. „Translational Oncology, Cell Therapy, Virology” Romanian Academy library, Bucharest, Aprilie 15-16, 2010
20. **Tumor-associated fibroblasts as a subset of mesenchymal stem cells.** Bojin F, Tatu CA, Gavriluc O, Rosca A, Tatu C, Tanasie G, Cristea M, Gruia A, Crisnic D, Nistor D, Anghel S, Bunu C, Paunescu V. Diaspora in Romanian scientific research and higher education – Molecular Medicine, Next generation Conference, 22-23 September 2010, Romanian Academy, Abstract book 48-49
21. **Mesenchymal stem cells – linking immunomodulation with pancreatic regeneration in Type 1 diabetes** Gavriluc OI, Bojin FM, Ordodi V, Mic FA, Rosca A, Cristea M, Tatu CA, Paunescu V.. *International Immunology* 2010, 22 (suppl.); 164 - 14th International Congress of Immunology, Kobe, Japan
22. **In vitro characterization of tumor-associated fibroblasts as supportive network for cancer development,** Bojin FM, Tatu CA, Gavriluc O, Ciuculescu F, Cristea M, Rosca A, Anghel S, Gruia A, Crisnic D, Tanasie G, Tatu C, Nistor D, Bunu C, Paunescu V.. *International Immunology* 2010, 22 (suppl.); 167 - 14th International Congress of Immunology, Kobe, Japan
23. **Human adult mesenchymal stem cells differentiation in vitro through condrogenic lineage.** MF Bojin, Gabriela Tanasie, Mirabela Cristea, Simona Anghel, Romulus Fabian Tatu, Valentin Ordodi, Calin Adrian Tatu, Carmen Bunu, Virgil Paunescu. The Journal of Physiological Sciences, Proceedings of the XXXVI Congress of Physiological Sciences (IUPS2009), July 27-August 1, 2009, Kyoto, Japan, Vol. 59, Supplement 1, 2009, pg. 443
24. **Reconstructia defectelor osoase prin utilizarea de matrici sintetice si celule osteogenice** RF Tatu, Carmen Tatu, Gabriela Tanasie, Florina Bojin, Mirabela Cristea, R. Bredicianu, C. Cebzan. 11th Edition of Academic Days Timisoara, 28-29 May, TMJ, 2009, 59 (suppl. 1), pg. 27
25. **Utilizarea celulelor stem mezenchimale umane pentru endotelizarea grefoanelor vasculare artificiale** Daciana Carmen Nistor, Carmen Bunu, Gabriela Tanasie, Florina Bojin, Dana Plesca, Mirabela Cristea, V. Paunescu. 11th Edition of Academic Days Timisoara, 28-29 May, TMJ, 2009, 59 (suppl. 1), pg. 27
26. **Expression of pluripotency transcription factors in mesenchymal stem cells is not indicative of their potential for differentiation.** Gavriluc O, Ciuculescu F, Cristea M, Bojin F, Tatu CA, Paunescu V. International Symposium on Morphological Sciences, 12-16 September, Timisoara, Romania, 2008, Abstract book, pg. 83

- 27. Studii de clonogenitate a celulelor stem mezenchimale din maduva osoasa hematogena,**
Tanasie, G., Deak, E., Anghel, S., Mirea, F., Siska, IR., Bunu, C., Bunceanu, M., Ionita, I., Paunescu,
V., A XXI-a Conferinta Nationala a Societatii Romane de Stiinte Fiziologice, Oradea-Baile Felix, 11-13
mai, pg.108., 2006