

Curriculum vitae

Personal information

Surname / First name

Tatu Carmen

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Nationality

Romanian

Date of birth

15.07.1964

Gender

female

Work experience

Period

February 2006 – onwards

Present occupation or position

Lecturer

Main activities and responsibilities

Educational work, research activities

Name and address of the employer

University of Medicine and Pharmacy „Victor Babes” Timisoara, III-th Department, P-ța Eftimie Murgu nr.2. Timișoara, Romania

Period

February 1993 - february 2006

Occupation or position held

Assistant Professor

Main activities and responsibilities

Educational work, research activities

Name and address of the employer

University of Medicine and Pharmacy „Victor Babes” Timisoara, III-th Department, P-ța Eftimie Murgu nr.2. Timișoara, Romania

Education and training

Period

October 2000 - onwards

Title of qualification awarded

Medical Doctor, Medical Laboratory Specialist

Name and type of organisation providing education and training

University of Medicine and Pharmacy „Victor Babes” Timisoara / County Hospital Timisoara nr.1

Period

2002

Title of qualification awarded

PhD in Medicine, University of Medicine and Pharmacy Victor Babes, Timisoara, Romania

PhD thesis titled: „Immobilization stress: experimental and clinical research”

Name and type of organisation providing education and training

University of Medicine and Pharmacy „Victor Babes” Timișoara

Period

1990 - 1991

Occupation or position held

MD

Name and address of the employer

County Hospital Timisoara nr.1

Period

1991 - 1993

Occupation or position held

MD

Name and address of the employer

Municipal Dispensary Constantin Daicoviciu

Period 1984-1990

Title of qualification awarded Medical Doctor Degree
Name and type of organisation providing education and training Faculty of Medicine Timisoara, Romania

Personal skills and competences

Mother tongue(s) Romanian

Other language(s)

European level (*)

English

German

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Independent User	B2	Independent User	B2	Independent User	B1	Independent User	A2	Basic User
B2	Independent User	B1	Independent User	B1	Independent User	B1	Independent User	A2	Basic User

(*) Common European Framework of Reference (CEF) level

Social skills and competences Good communication skills gained through teaching and research.

Organisational skills and competences Experience in project management - national and international projects:

- partner responsible for Victor Babes University of Medicine and Pharmacy Timisoara, Project PNCD-II nr. 41-075/2007,
- member of research team in 6 international research projects,
- team member of 14 national grants,
- work package leader in POSDRU project 86/1.2/S/63815 (EMEDIQUAL)
- member of the experts team in POSDRU project 81/3.2/S/59497 (IMUNOLAB).

Experience in conference organisation:

1. Anual Conference of the Romanian Society of Immunology, Timisoara, september, 24-26, 2011.
2. International Conference „ANGIOGENESIS” – Present and future, March 26-28, 2009, Timișoara.
3. First International Conference „Bilateral Cooperation of Doctoral Schools Timișoara – Szeged an European Model for Setting up a Doctoral Programme in the Medical Field”, April, 27-28, 2009, Timișoara
4. International Meeting „EuBIS self inspection evaluation Bucharest”, May, 25-27, Bucharest.
5. International Meeting „EuBIS regulatory test inspection Bucharest”, June, 9-12, 2009, Bucharest
6. International Conference „Present and Future in Medical Education”, April 11th, 2008, Timișoara.
7. The 10th Congress of the Romanian Society of Physiological Sciences, June 5-7, 2008, Cluj-Napoca, Romania.
8. International Conference „Endothelial Cell and Tumor Angiogenesis”, April 19-21, 2007, Timișoara.
9. Joint-Meeting of the Hungarian Physiological Society and the Romanian Society of Physiological Sciences, June 30-July 2, 1996 Szeged, Hungary, July 2-4, 1996, Timișoara, Romania.

Competences and technical skills Study of immobilization stress – experimental model in rats

Other skills and competences Co-chief editor of the journal Fiziologia (Physiology)

Additional information Membership in professional bodies:

- Romanian Physiology Society
- Federation of European Physiological Society (FEPS)
- Romanian Society of Immunology
- Romanian Society of Cell Biology
- European Society of Human Genetics.

List of publications (selective)

1. Bojin FM, Gavrilic O, Cristea M, Tanasie G, **Tatu CS**, Panaitescu C, Paunescu V, Telocytes within human skeletal muscle stem cell niche, *J Cell Mol Med*. 2011 Oct;15(10):2269-72. (**Impact Factor = 5,114**)
2. RF Tatu, E Sallo, V Careja, Z Simon, L Saytl, R Tudose, **C Tatu**, Electrostatic potential and its role in hydroxyapatite precipitation, *Rev. Roum. Chim.*,2011, 56(1), 5-10 (**Impact Factor = 0,311**)
3. AM Sisu, RF Tatu, LG Stana, CI Petrescu, **C Tatu**, A Motoc, Chondrosarcoma of the upper end of the femur, *Rom J of Morphol Embriol* 2011, 52(2):709-713 (**Impact Factor = 0,381**).
4. Bojin F, Ordodi V, Anghel S, Gruia A, Gavrilic O, Georgescu R, Galuscanu A, Vintila R, Tatu CA, Bunu C, **Tatu C**, Tanasie G, Paunescu V, Mesenchymal stem cells admix with biological scaffold heal bone defects in rat model, *Romanian biotechnological letters*, 2011,16(3): 6218-6225. (**Impact Factor = 0,219**).
5. Paunescu V, Bojin FM, Tatu CA, Gavrilic OI, Rosca A, Gruia AT, Tanasie G, Bunu C, Crisnic D, Gherghiceanu M, Tatu FR, **Tatu CS**, Vermesan S. Tumor-associated fibroblasts and mesenchymal stem cells: more similarities than differences. *J Cell Mol Med*. 2010 Feb 24, (**Impact Factor = 5,114**)
6. **C Tatu**, G Tănăsie, F Bojin, RF Tatu, D Pușcașiu, C Bunu, Stem Cells for Heart Repair, *Revista Fiziologia (Physiology)*, vol 22, nr 3(67), 2010, p 5-9.
7. **C Tatu**, G Tănăsie, D Pușcașiu, RF Tatu, F Bojin, C Bunu, Molecular regulation of Skeletal Muscle Atrophy, *Revista Fiziologia (Physiology)*, vol. 19, nr. 2(62), 2009, p. 7-11.
8. **C Tatu**, G Tănăsie, CA Tatu, V Ciocotîșan, RF Tatu, D Pușcașiu, C Bunu, Mesenchymal stem cells differentiation to cardiomyocytes using ascorbic acid, XXXVI th International Union of Physiological Sciences (IUPS), 27-31 July, Kyoto, Japan, *The Journal of Physiological Sciences*, 2009, Vol 59, Suppl 1; pg 443, ISSN 1880-6546, **FI = 0.973**
9. **C Tatu**, RF Tatu, C Bunu, G Tănăsie, D Pușcașiu, F Schneider, Changes in Thyroid hormones and Cortisol during Bed Rest Conditions, XXXVI th International Union of Physiological Sciences (IUPS), 27-31 July, Kyoto, Japan, *The Journal of Physiological Sciences*, 2009, Vol 59, Suppl 1; pg 273. ISSN 1880-6546, **FI = 0.973**.
10. C Bunu, L Cernescu, J Jiga, L Jiga, A Roșca, **C Tatu**, G Tănăsie, B Matîș, F Bojin, L Marusciac, Th1/Th2 Cytokine response to in vitro allergen challenge of dendritic cells derived from monocytes, EAACI Pediatric Allergy and Asthma Meeting, 12-14 November, 2009, Venice, Italy, *Pediatric Allergy and Immunology*, Vol. 20, Suppl. 20, pg. 60, **FI=2.723**)
11. B Matîș, **C Tatu**, L Cernescu, F Bojin, O Gavrilic, G Tănăsie, C Bunu, Airway fibroblasts phenotype markers after pro-inflammatory cytokines challenge, ERS Vienna 2009 Congress, 12-16 Sept, *European Respiratory Journal Supplement*; Vol 34; 53; P901, pg. 147. **FI=5.076**
12. C Bunu, L Cernescu, L Jiga, J Jiga, B Matîș, **C Tatu**, G Tănăsie, The physiology of dendritic cells/CD4+ T cells response to allergen challenge, XXXVIth International Union of Physiological Sciences (IUPS), 27-31 July, 2009, Kyoto, Japan, *The Journal of Physiological Sciences*, Vol 59, Suppl 1; P2PM-2-33; pg 270, ISSN 1880-6546, **FI=0.973**.
13. G Tănăsie, IR Siska, **C Tatu**, F Bojin, C Bunu, The comparison of the in vitro histamine induced airways smooth muscle response in human bronchi and rat trachea, XXXVIth International Union of Physiological Sciences (IUPS), 27-31 July, Kyoto, 2009, Japan, *The Journal of Physiological Sciences*, Vol 59, Suppl 1; pg 538, ISSN 1880-6546, **FI=0.973**.
14. G Tănăsie, S Anghel, RF Tatu, F Bojin, **C Tatu**, D Nistor, C Bunu, CA Tatu, V Păunescu, Human adult stem cells as a source for osteoprogenitor cells in vitro, XXXVIth International Union of Physiological Sciences (IUPS), 27-31 July, 2009, Kyoto, Japan, *The Journal of Physiological Sciences*, Vol 59, Suppl 1; pg 443, ISSN 1880-6546, **FI=0.973**.
15. D Pușcașiu, C Flangea, R Popescu, **C Tatu**, RF Tatu, E Potencz, Relation between tumoral proliferation and angiogenesis in renal cell carcinoma, XXXVIth International Union of Physiological Sciences (IUPS), 27-31 July, 2009, Kyoto, Japan, *The Journal of Physiological Sciences*, Vol 59, Suppl 1; pg 303, ISSN 1880-6546, **FI=0.973**.
16. D Nistor, IR Siska, G Tănăsie, C Bunu, **C Tatu**, F Bojin, D Pleșca, V Păunescu, In vitro differentiation of human mesenchymal stem cells toward endothelial cells, XXXVIth International Union of Physiological Sciences (IUPS), 27-31 July, Kyoto, 2009, Japan, *The Journal of Physiological Sciences*, Vol 59, Suppl 1; pg 323, ISSN 1880-6546, **FI=0.973**.
17. F Bojin, V Păunescu, CA Tatu, A Roșca, O Gavrilic, D Crisnic, C Bunu, G Tănăsie, **C Tatu**, A Gruia, D Nistor, Tumor microenvironment induces changes in human mesenchymal stem cells behavior, XXXVIth International Union of Physiological Sciences (IUPS), 27-31 July, Kyoto, 2009, Japan, *The Journal of Physiological Sciences*, Vol 59, Suppl 1; pg 443, ISSN 1880-6546, **FI=0.973**.
18. L Cernescu, L Jiga, J Jiga, B Matîș, L Cernescu, A Roșca, C Cernescu, **C Tatu**, G Tănăsie, C Bunu, Dendritic cells induced Th1/Th2 cytokine balance in response to allergen stimulation, ERS Vienna 2009 Congress, 12-16 Sept., *European Respiratory Journal Supplement*; Vol 34; 53; P2144, pg. 369-370. **FI=5.076**
19. **C Tatu**, G Tănăsie, D Pușcașiu, C Flangea, RF Tatu, C Bunu, Stem Cells in Cutaneous Epithelium, *Revista Fiziologia (Physiology)*, vol. 18, nr. 1(57), 2008, p. 14-19.
20. **C Tatu**, V Ciocotîșan, G Tănăsie, D Pușcașiu, RF Tatu, C Bunu, HSP 72 and the immune response, *Revista Fiziologia (Physiology)*, vol. 18, nr. 3(59), 2008, p. 4-7.
21. **C Tatu**, V Ciocotîșan, G Tănăsie, F Bojin, D Pușcașiu, RF Tatu, C Bunu, Correlation between HSP and different diseases, *Revista Fiziologia (Physiology)*, vol. 18, nr. 4(60), 2008, p. 4-6.
22. C Bunu, G Tănăsie, CA Tatu, B Matîș, **C Tatu**, V Păunescu, In vitro effect of TGF-β1 and IL4 on human bronchial fibroblasts phenotype, abstract P1981, ERS Berlin, 2008 Annual Congress, *European Respiratory Journal*, Berlin 7-11 oct 2008. **FI=5.349**.
23. G Tănăsie, **C Tatu**, C Bunu, NO inhibition and human bronchial muscle response in vitro, abstract E4491, ERS Berlin, 2008 Annual Congress, *European Respiratory Journal*, Berlin 7-11 oct 2008. (**FI= 5.349**)
24. **Carmen Tatu**, Dana David, RF Tatu, Daniela Puscasiu, F Schneider, Immobilization-induced osteoporosis, *Physiology*, 2007;17,1(53):14-17.

25. **C Tatu**, RF Tatu, D Puscasiu, G Tanasie, C Bunu, D Nistor, F Schneider – Renal excretion during contention stress in rats, Joint Meeting of The German Society of Physiology and The Federation of European Physiological Societies, March 26th – 29th, Munich 2006, Germany. Acta Physiologica, Vol 186, Supl 1, 2006, pag 243, ISSN 1748-1708, **FI = 2.455**
26. RF Tatu, **C Tatu**, D Pușcașiu, IR Siska, F Mirea, R Cioacă, Muscular changes in prolonged immobilization in Sprague-Dawley rats, Joint Meeting of The German Society of Physiology and The Federation of European Physiological Societies, March 26th – 29th, Munich 2006, Germany, Acta Physiologica, Vol 186, Supl 1, 2006, pag 225, ISSN 1748-1708, **FI = 2.455**
27. C Bunu, **C Tatu**, IR Siska, G Tanasie, E Deak, M Grindei, D Pușcașiu, RF Tatu, V Păunescu, Enhanced selection of stem cells for myocardial bioengineering using anti-CD45 monoclonal antibody from hybridoma lines, Joint Meeting of The German Society of Physiology and The Federation of European Physiological Societies, March 26th – 29th, Munich 2006, Germany, pag 228 Acta Physiologica, Vol 186, Supl 1, 2006, pag 228, ISSN 1748-1708, **FI = 2.455**
28. **Carmen Tatu**, Alice Dema, RF Tatu, Daniela Pușcașiu, I Siska, Florina Mirea, F Schneider, Immobilization-related muscular atrophy-experimental study - Revista Fiziologia (Physiology), vol. 15, nr. 1(45), 2005, p. 31-35.
29. **C Tatu**, RF Tatu, V Dumitrașcu, D Pușcașiu, G Tănăsie, F Mirea, F Schneider, Thyroid hormones and immobilization, Revista Fiziologia (Physiology), vol. 15, nr. 2(46), 2005, p. 19-22.
30. **C Tatu**, F Schneider, RF Tatu, V Dumitrașcu, I Siska, G Mihalaș, Relația cortizol-profil lipidic la imobilizați, Cercetări experimentale medico-chirurgicale, nr 1/2002, 17-20.
31. **C Tatu**, H Vermeșan, FR Tatu, D Pușcașiu, SR Goția, R Prejbeanu, Oxidativ stress evaluation in immobilized patients, Revista de Ortopedie și Traumatologie a Asociației de Ortopedie Romano-Italo-Spaniole, ASORIS, Timișoara, nr. 2/2000, p. 95-97.
32. **C Tatu**, RF Tatu, D Pușcașiu, IR Siska, C Bunu, The variation of CuZn Superoxide Dismutase blood level in immobilized patients, 4th International Symposium on "Metal Elements in Environment, Medicine and Biology", Timișoara, November 6-8, 2000, p.221-226.
33. **C Tatu**, RF Tatu, IR Siska, D Pușcașiu, C Bunu, O Coste, Proteinele de stres - generalități și implicații diagnostice, Cercetări experimentale medico-chirurgicale, 1998, Anul V, Nr.3, pag.153-155.
34. **C Tatu**, IR Siska, RF Tatu, D Crîsnic, D Pușcașiu, Stress proteins - Key Mediators of Cell Functions, Fiziologia, 1997, vol.7, Nr.2 (14), pag.14-20.

Reference books

1. **Carmen Tatu**, Imobilizarea ca stres, Editura Orizonturi Universitare, 2009, ISBN 978-973-638- 430-1
2. Inge Buyse, Svetla Bakalova, Petr Turek, Zoe Sideras, Erhard Seifried, Christian Seidl, Reinhard Henschler, Tatjana Plahhova, Leslie Sobaga, Klára Baróti-Tóth, Marie O'Connell, Sveinn Gudmundsson, Hamisa Jane Hassan, Frances Delaney, Alex Aquilina, Jeroen De Wit, Virgil Păunescu, **Carmen Tatu**, Martin Gorham, Angus Macmillan Douglas, European standard operating procedure (SOP) methodology reflecting European best practice within the area addressing the quality and safety of blood – Published by the Project Participants: Manual Co-funded by the European Commission Health and Consumer Protection Directorate General Public Health and Risk Assessment Directorate Grant Agreement No. 2004217, Edition 1.0, 2007.
3. Politraumatismele - A. Prundeanu, H. Vermeșan, H. Prundeanu, V. Fluture, T. Bratu, V. Tudoran, M. Prundeanu, F. Tatu, H. Petrescu, M. Oancea, A. Cisar, S. Covășanțan, **Carmen Tatu** - Ed Mirton Timișoara, 1997.

List of international projects

Name	Project director	Program	Number	Period
Regenerating Bone defects using New biomedical Engineering approaches (REBORNE)	Prof. Dr. Carmen Bunu Panaitescu	FP7	Proposal reference number: 241879	2009-2012
Cultivated Adult Stem Cells as Alternative for Damaged tissue - CASCADE	Prof. Dr. Carmen Bunu Panaitescu	FP7	Proposal reference number: FP7-223236	2009-2011
Development of a pan-european standard operating procedure (SOP) methodology reflecting European best practice (EU-Q-Blood-SOP).	Prof Dr Virgil Paunescu	SANCO	Grant Agreement No.2004217	2005-2007
Development of a pan-European standards and criteria for the inspection of blood establishments. (EU-Blood-Inspection – EUBIS)	Prof Dr Virgil Paunescu	SANCO	Grant Agreement No.2006202	2007-2010
European Optimal Blood Use Project. (EUOBUP)	Prof Dr Virgil Paunescu	SANCO	Grant Agreement No.2006209	2007-2010
Postgraduate training in research project management	Prof. Dr. Carmen Bunu Panaitescu	Leonardo da Vinci	RO/2005/95158/EX	2006

Project / Program	Position held	Period
Genetic engineering of tumour stem cells for immunomodulation in cancers of non-viral origin, (ONCOSTEM), PN II / Partnerships Module No. 41-019/2007	Team member	2007-2010
Reconstruction of bone segmentary defects through biomimetic matrices colonised with osteogenic cells (RECON-OS), PN II / Partnerships Module No. 41-091/2007	Team member	2007-2010
Optimizing the prevention methods for allergic patient management efficiency, (PREVALERG), II National Research and Development Plan (PN II) / Partnerships Module No. 41-011/2007	Team member	2007-2010
Innovative bio-ortopedic methods for articular reconstruction (BIOART), CEEEX-VIASAN no. 70/2006, Module I	Team member	2006-2008
Promotion of stem cell therapy research (PRO CEL-TERA) Romanian "Research of Excellence Programme" (CEEEX) / Module III No. 206	Team member	2006-2008
Experimental studies on human mesenchymal stem cells transfected for developing an innovative therapeutic strategy of glioblastoma (GLIOSTEMCEL), CEEEX, Module I, VIASAN no. 176/2006	Team member	2006-2008
Development of innovative therapies in osteoarticular reconstruction – CELLART CEEEX VIASAN 45/2005	Team member	2005-2008
Stem cell therapy for vascular regeneration and reconstruction, CEEEX VIASAN 44/2005 (ANGIOSTEM),	Team member	2005-2008
Development of cell therapies in diabetes mellitus, VIASAN No. 314/2004	Team member	2004 - 2006
Development of a regional bank of stem cells from umbilical cord blood and placenta for autologous and autogenous transplantation, VIASAN No. 308/2004	Team member	2004 - 2006
Development of tissue bioengineering techniques for myocardial reconstruction VIASAN No. 311/2004 (CARDIOSTEM)	Team member	2004 - 2006
Development of biotechnologies for dendritic cell vaccines in solid tumours immunotherapy, 2004-2006, BIOTECH No. 4610/2004	Team member	2004 - 2006
Development of a tissue bioengineering technique for osteoarticular and myocardial reconstruction, MATNANTECH, No. 162 (303)	Team member / Project manager	2003 - 2005
Molecular targets in modern antitumour therapy (immunotherapy, genetic therapy) VIASAN No. 481/2004, priority project	Team member	2003-2005