

Curriculum Vitae

Personal information

Surname(s) / First name(s) **Gabriela Tanasie**
Address(es) Splaiul Tudor Vladimirescu nr. 14, 300173 Timisoara, Romania
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E-mail gtanasie@umft.ro
Nationality Romanian
Date of birth 22.08.1966
Gender Female

Work experience

Dates 1992 – onward
Occupation or position held Associate Professor
Lecturer (2004-2007); Assistant Professor (1995-2004); Trainee (1992 – 1995)
Main activities and responsibilities Teaching and research activity
Name and address of employer Victor Babes University of Medicine and Pharmacy Timisoara, Romania
Type of business or sector Higher Education

Dates 2004 - onward
Occupation or position held Specialist Physician Clinical Laboratory
Main activities and responsibilities Health Assistance and Medical Research – The Regional Transplant Immunology Laboratory
Name and address of employer Clinical Emergency Hospital Timisoara, str. I.Bulbuca, 10, 300736, Timisoara, Romania
Type of business or sector Public Health

Dates 1998 - 2000
Occupation or position held Senior Physician in Functional Explorations
Main activities and responsibilities Health Care
Name and address of employer Public Health Institute “Leonida Georgescu” Timisoara
Type of business or sector Public Health

Dates 1996-1998
Occupation or position held Senior Physician in Functional Explorations
Main activities and responsibilities Health Care
Name and address of employer Clinical Pediatric Hospital nr. 4 Louis Turcanu Timisoara
Type of business or sector Public Health

Education and training

Dates 2002
Title of qualification awarded PhD in Medical Sciences
Principal subjects/occupational skills covered Physiology
Name and type of organisation providing education and training Victor Babes University of Medicine and Pharmacy Timisoara, Romania
Level in national or international classification ISCED 6

Dates 2003
 Title of qualification awarded Specialist Physician Clinical Laboratory
 Principal subjects/occupational skills covered Clinical Laboratory (biochemistry, hematology, microbiology, parasitology)
 Name and type of organisation providing education and training Victor Babes University of Medicine and Pharmacy Timisoara, Romania
 Level in national or international classification ISCED 5

Dates 1994/1998
 Title of qualification awarded Specialist Physician in Functional Explorations
 Principal subjects/occupational skills covered Functional Explorations
 Name and type of organisation providing education and training Victor Babes University of Medicine and Pharmacy Timisoara, Romania
 Level in national or international classification ISCED 5

Dates 1984-1990
 Title of qualification awarded Physician
 Principal subjects/occupational skills covered General Medicine
 Name and type of organisation providing education and training Victor Babes University of Medicine and Pharmacy Timisoara, Romania
 Level in national or international classification ISCED 5

Personal skills and competences

Mother tongue(s) **Romanian**

Other language(s)

Self-assessment
European level ()*

English

Russian

Understanding				Speaking				Writing	
Reading		Spoken interaction		Spoken production		Reading		Spoken interaction	
C1	Proficient user	C1	Proficient user	B2	Independent user	B2	Independent user	C1	Proficient user
A2	Basic user	B1	Independent user	A2	Basic user	A2	Basic user	B1	Independent user

Social skills and competences

Team spirit
 Good communication skills gained through personal experience at the Physiology and Immunology Department of Victor Babes University of Medicine and Pharmacy Timisoara
 Good ability to adapt to multicultural environments, gained through the training stages and visits abroad

Organisational skills and competences

Experience in project management field, gained through the participation and the co-ordination of national and international projects
 Experience in organizing scientific events

Technical skills and competences

Various techniques in molecular and cell biology
 Study in isolated organ bath smooth muscle

Computer skills/competences

Microsoft office
 Programs of processing and analyzing images (Adobe Photoshop, etc.)
 Various programs for acquisition and / or interpretation of laboratory data (GelDoc, CellQuestPro, etc.)

Additional information | **Membership of professional organisations:**

- *Romanian Society and Physiological Sciences, affiliated to FEPS and IUPS*
- *Romanian Society of Physiopatology*
- *Romanian National Society of Immunology*
- *Romanian Society of Genetics and International Society of Genetics*
- *National Society of Cell Biology*

Annexes | **Annex 1**, Selected papers published in the last years
Annex 2, List of research projects

Annex 1 – Selected papers

• Papers published in ISI and other international databases journals

1. Bojin FM, Gavriiliuc OI, Cristea MI, **Tanasie G**, Tatu CS, Panaitescu C, Paunescu V., Telocytes within human skeletal muscle stem cell niche. *J Cell Mol Med.* 2011, 15(10):2269-72. doi: 10.1111/j.1582-4934.2011.01386.x.
2. F. Bojin, V. Ordodi, S. Anghel, A. Gruia, O. Gavriiliuc, R. Georgescu, A. Galuscanu, R. Vintila, C. Tatu, C. Bunu, C. Tatu, **G. Tanasie**, V. Paunescu. Mesenchymal stem cells admix with biological scaffold heal bone defects in rat model, *Romanian Biotechnological Letters*, 2011, 16 (3):6218-6225
3. Paunescu V, Bojin FM, Tatu CA, Gavriiliuc 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.*, 2011, 15(3):635-46. doi: 10.1111/j.1582-4934.2010.01044.x.
4. **G. Tanasie**, F. Bojin, V. Ordodi, A. Gruia, O. Gavriiliuc, M. Cristea, A. Galuscan, C. Dehelean, R. Vintila, C. Tatu, C. Bunu Panaitescu, V. Paunescu. Epithelization of skin lesions in animal model treated with mesenchymal stem cells and derivatives, *Romanian Biotechnological Letters*, 2011, 16 (2):6072-6079
5. Paunescu V, Deak E, Herman D, Siska IR, **Tanasie G**, Bunu C, Anghel S, Tatu CA, Oprea TI, Henschler R, Ruster B, Bistran R, Seifried E. In Vitro Differentiation of Human Mesenchymal Stem Cells to Epithelial Lineage, *Journal of Cellular and Molecular Medicine. J Cell Mol Med*, 2007, 11:1-8
6. C. Lazau, L. Mocanu, I. Miron, P. Sfirloaga, G. Tanasie, C. Tatu, A. Gruia, I. Grozescu. Consideration regarding the use of TiO2 doped nanoparticles in medicine, *Digest Journal of Nanomaterials and Biostructures*, 2007, 2 (3):257 - 263
7. Ordodi VL., Mic FA, Mic AA, **Tanasie G.**, Ionac M., Sandesc D., Paunescu V. Bone marrow aspiration from rats: a minimally invasive procedure, *Lab Animal*, 2006, 35(5):41-44
8. Bunu, C., Siska, I., **Tanasie, G.**, Deak, E., Tatu, C., Ciocotisan, V., Paunescu, V. Expression of myogenin and myogenic 5 in human adult mesenchymal stem cells after 5-azacytidine stimulation, *Proceedings of the 6th International Congress on Coronary Artery Disease: From Prevention To Intervention*, Editor(s): Lewis B.S., Ongen Z., Flugelman M.Y., Halon D.A., ISBN: 978-88-7587-200-7, 2005, 41-45
9. Paunescu, V., Suci, E., Tatu, C., Plesa, A., Herman, D, Siska, I. R., Suci, C., Crisnic, D., Nistor, D., **Tanasie, G.**, Bunu C., Raica, M, Endothelial cells obtained from hematopoietic stem cells are functionally different from those obtained from human umbilical vein, *J Cell Mol Med*, 2003, 7(3):455-460

• Papers published in national database journals

1. Cristea M, Gruia A, Bojin F, Gai E, Moica V, Boldeanu F, **Tanasie G**, Tatu C, Paunescu V. *Aristolochia Clematitis* in Medicine: the good and the bad. *Fiziologia - Physiology*, 2010, vol. 20, nr. 1 (65), pg. 26-28. ISSN 1223-2076
2. Anghel S, Bojin F, Igna C, **Tanasie G**, Tatu CA, Seres M, Tatu C, Luca C, Ordodi V, Gruia A, Rosca A, Gurban C, Georgescu R, Paunescu V. Comparison between differentiation potential of dog periosteum-derived cells and bone marrow-derived cells to osteogenic, chondrogenic and adipogenic lineages. *Fiziologia - Physiology*, 2010, vol. 20, nr. 1 (65), pg. 21-25. ISSN 1223-2076
3. David VL, Izvernariu DA, Bojin F, Gavriiliuc O, Popoiu MC, **Tanasie G**, Puiu M, Boia ES. Insulin growth factor I involvement in the etiology of pectus excavatum in children. *Fiziologia - Physiology*, 2010, vol. 20, nr. 1 (65), pg. 17-20. ISSN 1223-2076
4. Cernescu L, Jiga J, Jiga L, Bunu C, Rosca A, Matis B, Cernescu C, Mirea F, Tatu C, **Tanasie G**, Paunescu V. Dendritic cells induced TH1/TH2 cytokine balance in response to allergen challenge. *Timisoara Medical Journal*, Vol.59, No. 3-4/2009, pg. 329-324, ISSN 1583-5251
5. **Tanasie G**, Bojin F, Tatu CA, Gavriiliuc O, Tatu C, Nistor D, Ionița H, Bunu C, Paunescu V. Mechanisms Involved in Mesenchymal Stem Cells Differentiation towards the Epithelial Lineage. Effects of Chemical Inductors. *Fiziologia - Physiology*, 2009, vol 19, nr 3(63), p 7-12. ISSN 1223-2076
6. **Tanasie G**, Anghel S., Mirea F., Siska IR, Ordodi V, Nistor D, Tatu C, Bunu C, Boss H, Poenaru D (2007) *In Vitro Human Adult Mesenchymal Stem Cells Differentiation towards Chondrogenic Lineage*, *Fiziologia. Physiology*, ISSN 1223-2076, 17, 4 (56)
7. **Tanasie G**, Tatu C, Bunu C, Tascau M, Igna C, Vasilco R, Cristea M, Paunescu V, Anghel S, Schuszler L, Mirea F, Voicu A, Dema A, Paunescu V (2007), *Stem cells and osteoarticular regeneration*, *Fiziologia. Physiology*, ISSN 1223-2076, 17, 3 (55), 8-11
8. **Tanasie, G.**, Anghel, S., Tatu, C., Paunescu, V., Siska, I., Bunu, C., Tatu, F., Ionita, H., Paunescu, V., *In vitro expansion of human bone marrow derived undifferentiated mesenchymal stem cells*, *Fiziologia. Physiology*, ISSN 1223-2076, 16, 2 (50), 27-31., 2006
9. Dragulescu, S.I., Paunescu, V., Mut, B., Plesa, C., Plesa, A., Suci, E., Ordodi, V., Siska I. R., **Tanasie, G.**, Bunu C., Popa, S., Dragulescu, A., Maximov, D. (2004) *Protocol for intracoronary transplantation of autologous AC133 bone marrow stem cells*, *Timisoara Medical Journal* ISSN 1583-5251, 54, 1, 14-18
10. Paunescu V., Poenaru D., Herman, D, Tertiu D., Szilagyi, D., Suci, E., Cioaca, R., **Tanasie, G.**, Siska I. R., Bunu C., Patrascu, J. M (2004) *Isolation and culture of human chondrocytes for autologous transplantation*, *Timisoara Medical Journal*, ISSN 1583-5251, 54, 1, 19-23.
11. Paunescu V., Suci, E., Tatu, C., Plesa, A., Herman, D., Siska, I.R., Suci, C., Crisnic, D., Nistor, D., **Tanasie, G.**, Bunu, C., Raica, M. (2004) *Endothelial cells derived from cord blood CD34+ hematopoietic stem cells - a possible source for vascular engineering*, *Timisoara Medical Journal*, ISSN 1583-5251, 54, 2, 117-121

Annex 2 –RESEARCH PROJECTS

Project / Program	Position held	Period
INTERNATIONAL		
Regenerating Bone defects using New biomedical Engineering approaches (REBORNE), no 241879,	Team member	2009-2012
Cultivated Adult Stem Cells as Alternative for Damaged tissue - CASCADE, FP7-223236	Team member	2009-2011
Isolation, characterisation and in vitro differentiation of variety of animal and human embryonic and adult stem cells (Project RO-43/2007 RO ID23), bilateral cooperation Romania – Hungary, nr. 88/2008	Project director	2008-2009
Development of pan-European standards and criteria for the inspection of blood establishments. (EU-Blood-Inspection – EUBIS), Co funded by the European Commission Health and Consumer Protection Directorate General, Public Health and Risk Assessment Directorate, Grant Agreement No.2006202	Team member	2007-2009
European Optimal Blood Use Project. (EUOBUP), Co funded by the European Commission Health and Consumer Protection Directorate General, Public Health and Risk Assessment Directorate, Grant Agreement No.2006209	Team member	2007-2009
Development of a pan-European standard operating procedure (SOP) methodology reflecting European best practice (EU-Q-Blood-SOP), Co funded by the European Commission Health and Consumer Protection Directorate General, Public Health and Risk Assessment Directorate, Grant Agreement No.2004217	Team member	2005-2007
Adult mesenchymal stem cells engineering for connective tissue disorders. From the bench to the bed side, GENOSTEM No. 503161, Integrated Project FP6	Team member	2003-2006
Development of paneuropean standards and criteria for the European Quality Management System Network for Blood Safety (EU-QMS-BLOODNET), EU Public Health Programme, Louxemburg	Team member	2003-2006
Postgraduate training in research project management, Grant LEONARDO RO/2005/95158/EX	Team member	2005-2006
NATIONAL		
Molecular and cellular mechanisms involved in differentiation of mesenchymal stem cells towards the epithelial lineage, II National Research and Development Plan (PN II), IDEI-No. 198/2007	Project director	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	Partner coordinator	2007-2009
Reconstruction of bone segmentary defects through biomimetic matrices colonised with osteogenic cells (RECON-OS), PN II / Partnerships Module No. 41-091/2007	Partner coordinator	2007-2009
Complex researches regarding obtaining and magnetic properties of ferromagnetic $Co_3Fe_{3-8}O_4$ nanoparticles systems of surfactated/unsurfactated and biocompatible with possible application in cancer therapy, PN II / Partnerships Module No. 71-025/2007	Partner coordinator	2007-2010
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	2007-2009
Tumour neural stem cells: a new therapeutic target in the multimodal treatment of malignant cerebral gliomas (TUMORSTEM), PN II / Partnerships Module	Team member	2007-2009
Innovative bio-ortopedic methods for articular reconstruction, CEEX/2006, Module I, VIASAN no. 70 (BIOART)	Team member	2006-2008
Promotion of stem cell therapy research (PRO CEL-TERA) Romanian “Research of Excellence Programme” (CEEX) / 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
Alternative methods for obtaining TiO2 nanocrystals doped with metallic ions. Application studies for health, biology and environment, CEEEX - MATNANTECH, No. 3/2005	Partner coordinator	2005-2008
RO-NANOMED, nanomedicine national integrated network (MATNANTECH-42), CEEEX/2005, Module I	Partner coordinator	2006-2008
Development of innovative therapies in osteoarticular reconstruction, 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
Assessment of the efficiency of new classes of antileukotriene therapy. In vivo and in vitro experimental studies, Grant A – CNCSIS	Team member	2004-2005
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
Microsensors and actuators for micro-opto-electromechanical systems obtained by alloys nano-engineering, MATNANTECH No. 622/2004	Team member	2004-2006
Monitoring of bronchial responsivity in asthma - clinical and experimental study, Grant A - CNCSIS, No. 1331/33454/.2002 and 620/33542/2003	Team member	2002-2003
Molecular targets in modern antitumour therapy (immunotherapy, genetic therapy) VIASAN No. 481/2004, priority project	Team member	2003-2005
Physiology of tracheo-bronchial smooth musculature. Experimental and clinical studies, Research contract with the Ministry of Education, Research and Technology	Team member	1992-1995
Bronchomotricity. Immuno-allergic implications, Research contract with Medical Sciences Academy	Team member	1992-1995
Preclinical and clinical research of Romanian product Antagonic-stress, research contract with POLGEC Ltd., Bucharest	Team member	1990-1992