- PERSONAL INFORMATION
- EDUCATION AND TRAINING
- OCCUPATIONAL FIELD

  Positions held / Main activities and responsibilities
- AREAS OF SCIENTIFIC INTEREST
- TECHNICAL SKILLS AND COMPETENCES
- ADDITIONAL PROFESSIONAL EXPERIENCE, ORGANIZATORIAL SKILLS
- AWARDS, MEMBERSHIP
- SCIENTIFIC PAPERS
- PATENTS
- MEETING PRESENTATIONS
- RESEARCH GRANTS

PERSONAL INFORMATION

Name: Gabriela Negroiu (Dumitrescu);

Addres: Calea Crângaşi, nr. 52, Bl.5, Sc C, et. 6, apt, 99, sector 6, Bucureşti, România, **Telephone(s):** 0212211887, mobile: 0726134173, **email**:gnegroiu@biochim.ro; gabrielanegroiu@yahoo.com;

Nationality: Romanian;

Date and Place of Birth: 7 noiembrie, 1958, Ploieşti

EDUCATION AND TRAINING

- **B.S. in Biology, Speciality Biochemistry,** University of Bucharest, Faculty of Biology (1997-1981);
- **Ph.D. in Biology, Speciality of Biochemistry**, Institute of Biochemistry of Romanian Academiy, Bucharest (IBAR) (1991-1997); ***Subject****:* Pathological degradation of cartilage extracellular matrix; ***Thesis:*** B- and T-cell epitopes with arthritogenic/autoimmune potential of aggrecan molecule (Coordinator: Dr. Cecilia Motas, IBAR and Dr. Tibor T. Glant, Dept. of Orthopedics and Biochemistry, Rush Medical Center, Chicago, US)
- **Post Doctoral Fellowships awarded by FEBS** (2001) **and EMBO** (2002)**,** Dr. Peter van der Sluijs, Dept. Of Cell Biology, Utrecht University Medical Center, The Netherlands – proteins involved in traffic of melanosomal proteins/melanosomes/lysosomes; advanced experimental methodology to study intracellular traffic and protein –protein interactions
- **Course for Management of the Research**, Transilvania Business Center, București (31.09- 02.10. 2010)

- **OCCUPATIONAL FIELD**

Positions held / Main activities and responsibilities

- **Senior Researcher I, IBAR** (2014-present**)**
- **Senior Researcher II, IBAR** (1999-2014)
- **Senior Researcher III, IBAR** (1997-1999**)**

Elaboration, submission and supervision of research projects and / or grant proposals; principal coordinator of national grants and collaborator in international and national grants; coordination of projects for BS, MS, PhD degree; evaluation of the BS, MS and PhD students within IBAR training programmes (1997-present); tutorial and teaching activities of posdocs of The EU Post-Doc Programme „Cellular Biotechnologies with Applications in Medicine" (2007-2013); Project Technical Assistance (PTA) for the FP7 Programmes of the EU; monitoring activity of R&D projects for the "Nanoscience, Nanotechnologies, Materials and new Production Technologies (2012-2016)

- **Visiting Scientist**, **Department of Orthopedics and Biochemistry Rush Presbyterian St.Luke's Medical Center, Chicago** (1993-1996)- PhD thesis (experimental); Pathological degradation of cartilage extracellular matrix in rheumatoid arthritis; analysis of cartilage ECM modifications in patients referred to receive joint replacements with Ti-based prosthetic devices.
- **Research Scientist, Institute of Biological Sciences, Bucharest** (1983-1992) - extraction, purification, analysis of collagen and glycosaminoglycans from animal tissues (leather and meat industry)

- **AREAS OF SCIENTIFIC INTEREST**

Present: **tumor biology-** biosynthesis, trafficking, degradation of tumor (melanoma) antigens; tumor environmental or therapeutic stress resistance signalling pathways; molecular markers for evaluation of melanocytic lesions; cellular processes at the interface of nanostructurated coating materials; tumor cell uptake and trafficking mechanisms of nanostructures as delivery vectors for compounds with therapeutic or diagnosis potential.

Previous: **regenerative medicine-**pathological degradation of cartilage ECM in rheumatoid arthritis; biomaterials based on collagen or associated with natural or synthetic polymers for pharmaceutical and food industry.

- **TECHNICAL SKILLS AND COMPETENCES**

elaboration of grant proposals, scientific papers and reports; exploitation of valuable research results by introducing them in translational medicine and /or biotechnology; identification of the novelty potential in research subjects; approach and develop efficiently the research subjects within a team; organize and prioritize team work load.

- **ADDITIONAL PROFESSIONAL EXPERIENCE, ORGANIZATORIAL SKILLS**

member of the Management Committee, COST action ”Dendrimers in Biomedical Applications” (2009-2013); member of Working Group on Assistance to Central and Eastern Europe (WOGCEE) within FEBS; secretary of the Romanian Society of Biochemistry and Molecular Biology (RSBMB) (1999-2001); coordination of IBAR cell culture facilitiy (2000-present); organizing events and actions: visit of the FEBS Committee and WOGCEE (Bucharest, jan, 1999); Scientific Apparatus Recycling Programme (SARP) through FEBS (1999-2001); “Biochemical and Biophysical Balkan Days” (Bucharest, april, 2001); Conference of RSBMB (Cluj-Napoca, Oct, 2001).

- **AWARDS**

Romanian Academy Award „Nicolae Simionescu” (2004); Annual Award of the Romanian Society of Biochemistry and Molecular Biology (2004).

- **MEMBERSHIP**

European Society for Pigment Cell Research; Romanian Society of Biochemistry and Molecular Biology; Romanian Society for Cell Biology

- **SCIENTIFIC PAPERS (Articles) – 36; PATENTS – 9**; **MEETINGS (posters and presentations) – 28; LIST OF REASEARCH GRANTS (other research) – 4/Project Leader; 3/ Partner**

*(https://www.**researchgate**.net/profile/**Gabriela_Negroiu)***

- **CITATION REPORT** (Web of Science) – 49; **h-index** 12

- **SCIENTIFIC PAPERS, PATENTS, MEETING PRESENTATIONS, RESEARCH GRANTS**
- **SCIENTIFIC PAPERS**

1. Cross-talk between DopaChromeTautomerase and Caveolin-1 is Melanoma Cell Phenotype Specific and Potentially Involved in Tumor Progression
Popa, I.L., Milac, A.L., Sima, L.E., Alexandru, P.R., Pastrama, F., Munteanu, C.V.A., N**egroiu, G**. (**corresponding author**) J.Biol.Chem. 291, (10) 12481-12500 (2016)

2. Variations in the expression of TIMP1, TIMP2, and TIMP3, in cutaneous melanoma with regression and their possible function as prognostic predictors, Zurac, S, Neagu, M., Constantin, C., Cioplea, M, Nedelcu, R., Bastian, A., Popp,C., Nichita, L., Andrei, R., Tebeica, T., Tanase, C., Chitu, V., Caruntu, C., Ghita, M., Popescu,C., Boda, D., Mastalier, B., Maru., M, Daha, C., Adreescu, B., Marinescu, I., Rebosapca, A., Staniceanu, F., **Negroiu, G**., Ion, D., Nikitovic, D., Tzanakakis, G.N.; ***Oncology letters* 11:3354-3360 (2016)**

3. Tyrosinase Related Protein-2/DopaChromeTautomerase -A Sword with Two Edges G. Negroiu, ***Laboratory updates, PASPCR Newsletter*** 23(3), 30-33, 2015

4. PAN/PDLLA fibers with magnetic mineral nanoparticles insertion for controlled release of drugs S. Vulpe,; · **G. Negroiu;** · C. Nastase; · F. Nastase;· T. L. Mitran ;· C. Berbecaru ;· C. Necula; · A. Marin ***Romanian Reports in Physics*** 66(3):693-703 (2014)

5. Value of dopachrome tautomerase detection in the assessment of melanocytic tumors Filimon, A., Zurac, S.A., Milac, A.L., Sima, L.E., Petrescu, S.M., **Negroiu, G**. ***Melanoma Res*****, 24 (3), 219-236 (2014) (corresponding author**)

6. Internalization and Intracellular Trafficking of Poly(propylene imine) Glycodendrimers with Maltose Shell in Melanoma Cells
Filimon, A.; Sima, L. E.; Appelhans, D. Voit B, **Negroiu G**
Current Medicinal Chemistry, **19(29): 4955-4968 (2012) (corresponding author**)

7. Dopachrometautomerase: An old protein with new function
Filimon A, **Negroiu G (corresponding author**)
Romanian Journal of Biochemistry **299: 36-52 (2009)**

8. Spectrum of morphologic alterations of regression in cutaneous melanoma--potential for improving disease prognosis
Zurac S., **Negroiu G**, Petrescu S, Andrei R, Tebeica T, Popp C, Musţată R, Neagu M, Constantin C, Solovan C, Chiţu V, Reboşapcă A, Andreescu B, Marinescu I, Stăniceanu F
Romanian Journal of Internal Medicine **50(2):145-153, 2012 (2009)**

9. Specific biofunctional performances of the hydroxyapatite-sodium maleate copolymer hybrid coating nanostructures evaluated by in vitro studies
Sima, LE, Filimon A, Piticescu R M, Chitanu GC, Suflet DM, Miroiu M, Socol G, Mihailescu IN, Neamtu J, **Negroiu G (corresponding author**)
Journal of Materials Science-Materials in Medicine,**20 (11): 2305-2316 (2009)**

10. Tyrosinase and TRP2 expression in hipomelanotic malignant melanoma
Bastian, A*.; Negroiu, G*; Staniceanu, Florica; Zurac. S. Nichita L, Andrei R, Petrescu S.
Proceedings of the 3rd Intercontinental Congress of Pathology**, 201-207 (2008)**
Medimond Monduzi Editore, ISSN 0945-6317 **(shared first authorship)**

11. Tyrosinase a useful marker for identifying pagetoid invasion in malignant melanoma
Zurac S*, **Negroiu G***, Staniceanu F, Bastian A, Andrei R, Nichita L, Petrescu S
Proceedings of the 3rd Intercontinental Congress of Pathology, **215-220 (2008)**
Medimond Monduzi Editore, ISSN 0945-6317 **(shared first authorship)**

12. Cutaneous metastases of malignant melanoma--how difficult can it be?
Zurac S, Andrei R, Petsakos G, Nichita L, Bastian A, Micu G, Gramadă E, Popp C, Stăniceanu F, Petrescu S, **Negroiu G**, Giurcăneanu D, Chiţu V
Romanian Journal of Internal Medicine **46 (4):375-378 (2008)**

13. Biocompatibility evaluation of a novel hydroxyapatite-polymer coating for medical implants (in vitro tests)
Negroiu G , Piticescu RM, Chitanu GC, Mihailescu, IN, Zdrentu L, Miroiu
Journal of Materials Science-Materials in Medicine,**19** (**4):1537-1544 (2008) (corresponding author**)

14. Comparative study of in situ interactions between maleic anhydridebased copolymers with hydroxyl apatite
Piticescu RM, Chitanu GC,Meghea A, Giurginca M, **Negroiu G**, Popescu LM
***Key Engineering Materials, 361-361,* I :387-390 (2008)**

15. Biocompatible structures based on hybrid organic-inorganic nanocrystalline materials
Piticescu RM, Popescu LM, Giurginca M, Chitanu GC, **Negroiu, G**
***Journal of Optoelectronics and Advanced Materials* 9(11)**: **3340-3345 (2007)**

16. Effect of lactoferrin on murine melanoma B16-F1 cells; possible mode of action
Brock JH, Icriverzi M, Trif M,CheluF, **Negroiu G**, Roseanu A
***Biochemistry and Cell Biology* 84 (3): 395-396 (2006)**

17. Tyrosinase-related protein-2 and-1 are trafficked on distinct routes in B16 melanoma cells
Negroiu G, Dwek RA Petrescu SM **(corresponding author**)
***Biochemical and Biophysical Research Communications* 328** (**4): 914-921 (2005)**

18. Munc13-4 is an effector of Rab27a and controls secretion of lysosomes in hematopoietic cells
Neeft M, Wieffer M, de Jong AS, **Negroiu G**, Metz CH, van Loon A, Griffith J, Krijgsveld J, Wulffraat N, Koch H, Heck AJ, Brose N, Kleijmeer M, van der Sluijs P
***Molecular Biology of the Cell* 16(2):731-41 (2005)**

19. The inhibition of early N-glycan processing targets TRP-2 to degradation in B16 melanoma cells
Negroiu G; Dwek, RA; Petrescu, SM **(first author)**
***Journal of Biological Chemistry* 278** (**29): 27035-27042 (2003)**

20. Pigmentation defects uncover a new function for Rabs in organelle transport: rab27a in organelle motility
Deneka M, **Negroiu G**, Van Der Sluijs P. **ELSO Gazette** 4 **(2001)**

21. N-glycosylation processing and glycoprotein folding - Lessons from the tyrosinase-related proteins Branza-Nichita, N; Petrescu, AJ, **Negroiu G**, Dewk RA, Petrescu SM ***Chemical Reviews* 100** (**12)**: **4697-4712 (2000)**

22. Folding and maturation of tyrosinase-related protein-1 are regulated by the post translational formation of disulfide bonds and by N-glycan processing
Negroiu G; Dwek, RA; Petrescu, SM **(first author)**
***Journal of Biological Chemistry* 275** (**41): 32200-32207 (2000)**

23. Folding and activity of glycoenzymes is dependent on the lectins calnexin and Calreticulin *Biochemical Society Transactions* 28(5):A124.3-A124 · October 2000
Petrescu, S.M.; Branza-Nichita, N.; Petrescu, A.;**Negroiu, G**.; Platt, F.;Worlmand, M.; Dwek,R.A.

24. Tyrosinase and glycoprotein folding: roles of chaperones that recognize glycans Petrescu SM, Branza-Nichita N, **Negroiu G,** Petrescu AJ, Dwek RA.
***Biochemistry,* 39(18):5229-37(2000)**

25. Mutations at critical N-glycosylation sites reduce tyrosinase activity by altering folding and quality control Branza-Nichita N, **Negroiu G**, Petrescu AJ, Garman EF, Platt FM, Wormald MR, Dwek RA, Petrescu SM. ***Journal of Biological Chemistry*** , **275** (**11): 8169-8175 (2000)**

26. Protein specific N-glycosylation of tyrosinase and tyrosinase-related protein-1 in B16 mouse melanoma cells Negroiu G, Branza-Nichita N, Petrescu AJ, Dwek RA, Petrescu SM **(first author)** ***Biochemical Journal*** **344: 659-665 (1999)**

27. Investigation of the intracellular transport of tyrosinase and tyrosinase related protein (TRP)-1. The effect of endoplasmic reticulum (ER)-glucosidases inhibition **Negroiu G**, Branza-Nichita, N; Costin, GE, Titu H, Petrescu AJ, Dwek RA, Petrescu SM ***Cellular and Molecular Biology*** (Noisy-le-grand) **45(7): 1001-1010 (1999) (first author)**

28. Critical roles of glycosaminoglycan side chains of cartilage proteoglycan (aggrecan) in antigen recognition and presentation Glant TT, Buzás EI, Finnegan A, **Negroiu G**, Cs-Szabó G, Mikecz K.***Journal of Immunology*** **160** (**8)** : **3812-3819** (**1998)**

29. A proteoglycan (aggrecan)-specific T-cell hybridoma induces arthritis in balb/c mice Buzás EI, Brennan FR, Mikecz K, Garzó M, **Negroiu G**, Holló K, Cs-Szabó G, Pintye E, Glant TT ***Journal of Immunology*** **155** (**5)** : **2679-2687 (1995).**

30. Antigen-specific B-cells present cartilage proteoglycan (aggrecan) to an autoreactive t-cell hybridoma derived from a mouse with proteoglycan-induced arthritis Brennan FR, Mickecz, K, Buzas EI, Ragasa D, Cs-Szabo, G, **Negroiu G**,Glant TT ***Clinical and Experimental Immunology*** **101(3): 414-421** (**1995**)

31. Presentation of cartilage proteoglycan to a T cell hybridoma derived from a mouse with proteoglycan-induced arthritis Brennan FR, **Negroiu G,** Buzas EI, Fulop C, Hollo K, Mikecz K, Glant TT ***Clinical and Experimental Immunology*** **100 (1): 104-110 (1995)**

32. Supression of autoimmune responses and inflammatory events by leflunomide in an animal model for rheumatoid arthritis Glant TT, Mikecz K, Brennan FR, **Negroiu G,** Bartlett R ***Agents Actions*** **41: C267-270 (1994)32.**

33. Collagen-chondroitin sulfate substrates conditioned as sponges and membranes Negroiu G, Mirancea N, Mirancea D, Oancea A, Moldovan L ***Revue Roumaine de Biochimie*** **29(1), 23-28 (1992) (first author)**

34. New chromogenic substrates for rapid determination of the collagenase activity Petrescu AD, Schell HD, **Negroiu G,** Caloianu-Iordachel M ***Analytical Letters*** **23, (6), 1039 (1990)**

35. The action of the collagen-Fe^{2+} complex at tissular level Mirancea N, Mirancea D, Caloianu-Iordachel M, Toader G, Moldovan L, **Negroiu G** ***Morphology et Embryology*** **XXXV, 35 (1):59-61(1989)**

36. Obtinerea si caracterizarea colagenului tip II din cartilagiul bovin tracheal **Negroiu G**, Moldovan L, Caloianiu-Iordachel M ***Studii şi Cercetări de Biochimie*** **33, 2, 83-172 (1990)**

37. Collagen substrate enzymatically extracted from bovine tendon

Negroiu G, Moldovan L, Caloianiu-Iordachel M ***Revue Roumaine de Biochimie*** **T25,134 (1988) (first author)**

38. Obţinerea prin extracţie enzimatică a colagenului din tendonul bovin matur şi posibilitaţi de condiţionare ale acestuia **Negroiu G**, Moldovan L, Caloianu– Iordachel M ***Studii şi Cercetări de Biochimie*** **30, 2, 187 (1987) (first author)**

PATENTS

1. Imminosugar treatment of tumors

Patent Number(s): US8957106 B2
Inventor(s): Dwek R, Buzgariu W, H, Moriarty R, **Negroiu G**, Nichita N, Zdrentu L, Zitzmann N

2. Polyclonal Antiserum anti-human Dopachromtautomerase

Patent Assignee Name(s) and Code(s):Institutul de Biochimie, Bucharest
Patent Number(s): 123570
Data de eliberare : 30.10.2013
Inventor(s): Negroiu G, Filimon A, Ghenea S, Zurac S, Staniceanu F, Sima E-L, Petrescu SM

3. Prepn. of chondroitin sulphate from bovine trachea - by digesting with sodium hydroxide then celite, filtering, adding ethanol@ then centrifuging

Patent Number(s): RO103809-A; **International Patent Classification:** A61K-035/32; C08B-037/08; C12P-019/04
Patent Assignee Name(s) and Code(s): INSTITUTUL STIINTE BIOLOGICE
Inventor(s): Moldovan L, **Negroiu G**, Caloianu_Iordachel M, Petrescu A

4. Bio-stimulant culture medium prepn. - contains collagen and chondroitin-sulphate in dil. acetic acid soln

Patent Number(s): RO105013-A; **International Patent Classification:** A61K-009/38; C09H-001/00
Patent Assignee Name(s) and Code(s): INST STIINTE BIOLOGICE
Inventor(s): Negroiu G, Caloianu-Iordachel M, Moldovan L, Mirancea N, Mirancea D

5. Collagen, keratin and elastin based proteic hydrolysate - consists of chemical hydrolysis prod. of hare ear spike hair, etc. in powder form

Patent Number(s): RO99803-A; **International Patent Classification:** A23J-001/10
Patent Assignee Name(s) and Code(s): INSTITUTUL STIINTE BIOLOGICE
Inventor(s): Moldovan L, Caloianu M, Suciu M, Dumitrascu N, **Negroiu G**, Vuici C.

6. Collagen based membranes for ophthalmic and dermatological dressings - contain collagen, PVA, ethyl-alcohol and glycerol

Patent Number(s): RO95354-A **; International Patent Classification:** A61K-031/04; A61K-037/12
Patent Assignee Name(s) and Code(s): INSTITUTUL STIINTE BIOLOGICE
Inventor(s): Toader G, Moldovan L, Caloianu M, Mirancea N, **Negroiu G**, Andrei T

7. Ferrous-collagen complex - for treating and preventing anaemia in pregnant and young animals

Patent Number(s): RO95353-A; **International Patent Classification:** A61K-033/26; A61K-037/12
Patent Assignee Name(s) and Code(s): INSTITUTUL STIINTE BIOLOGICE
Inventor(s): Caloianu M , Moldovan L, **Negroiu G,** Toader G, Mirancea N, Petrescu A

8. Modified collagen-cuprous-ion complex - for treating copper deficiency in pregnant and young animals

Patent Number(s): RO95352-A**; International Patent Classification:** A61K-033/34; A61K-037/12
Patent Assignee Name(s) and Code(s): INSTITUTUL STIINTE BIOLOGICE
Inventor(s): Caloianu M, Moldovan L, **Negroiu G,** Toader G, Petrescu A, Mirancea N

9. Prepn. of type-I collagen - consists of pepsin enzymatic extraction in acetic acid medium, with pptn. by sodium chloride

Patent Number(s): RO96291-A; **International Patent Classification:** C09H-003/00
Patent Assignee Name(s) and Code(s): INSTITUTUL STIINTE BIOLOGICE
Inventor(s): **Negroiu G**, Moldovan L, Caloianu M

PUBLISHED MEETING ABSTRACTS (POSTERS AND ORAL PRESENTATIONS)

1. Disjunction of Dopachrome Tautomerase and Tyrosinase expression in melanocytic lesions molecular events and patterns with possible implications in melanoma progression
A Filimon, S Zurac, AL Milac, L E Sima, S Petrescu, **G Negroiu** (oral presentation)
Nicolae Cajal Symposium, 10th Edition, April 1-4 2015, Bucharest, Romania, pg. 28

2. Melanoma cell lines with different pathophysiological characteristics use distinct pathways for the uptake and intracellular trafficking of Poly(propylene imine) Glycodendrimers with Maltose Shell A. Filimon, L.E. Sima, D. Appelhans, B. Voit , **G. Negroiu** (oral presentation), Biodendrimers 2014, 18-20.05, 2014, Lugano, Switzerland

3. Nanostructures with therapeutic potential in malignant melanoma
G.Negroiu (invited speaker) **„**Trends in nanomaterials field for cancer detection / therapy" Workshop, Romanian-Swiss Research Programme 11.09. 2015, Bucharest, Romania

4. The study of TRP-2 antigen expression in cell populations of melanocytic lesions revealed molecular events with possible implications in melanoma diagnosis and prognosis
A Filimon ; S Zurac ; **G Negroiu ,** 17th ESPCR meeting, 11-13.09 2012, Geneva **(poster)**

5. Tyrosinase Related Protein 2 in melanoma –Invited guest at Department of Tumor Pathology, Instituts fur Pathophysiologie und Allergieforschung, Medical University, Vienna, 15 may, 2009, host associate Professor Dr. Eniko Kallay

6. In silico structural insight on melanogenic proteins interacting with membrane components
AL Milac, **G Negroiu**, RSBMB International Conference, September 17-18, 2015, Bucharest, Romania, P1.14 **(poster)**

7. Unveiling the functions of dopachrome tautomerase in melanoma cells,
C A. Tanase, L E. Sima, **G Negroiu,** RSBMB International Conference, September 17-18, 2015, Bucharest, Romania, P1.23 **(poster)**

8. Identification of interacting proteins with melanoma antigen dopachrome tautomerase by mass spectrometry analysis F Pastrama, C V.A. Munteanu, I Popa, **G Negroiu,** RSBMB International Conference, September 17-18 ,2015, Bucharest, Romania, P1.17 **(poster)**

9. Characterization of dopachrome tautomerase (dct) -idgh clones in relation with markers of cell proliferation and subcellular compartments IL Popa,

L E. Sima, A Filimon, **G Negroiu**, RSBMB International Conference, September 17-18 2015, Bucharest, Romania, P1.20 **(poster)**

10. Analysis of melanoma cell populations by tissue faxs, L E Sima, I Popa, **G Negroiu,** RSBMB International Conference, September 17-18 2015, Bucharest, Romania, P3.12 **(poster)**

11. Cellular and Structural Factors which Regulate the Expression and Intracellular Processing of Melanoma Antigen Tyrosinase Related Protein 2, I Popa, P Alexandru, L E Sima, ALMilac, **G Negroiu,** Annual International Conference of RSBMB, 05-06.06.2014, Baile Felix, Oradea, Romania **(poster)**

12. Cholesterol effects on stability and intracellular processing of melanosomal membrane Proteins A L Milac; P Alexandru ;· M Marin ;· C Tanase ;· **G Negroiu (poster)**
9th EBSA European Biophysics Congress, Lisbon, Portugal, Volume: Eur Biophys J (2013) 42:S153

13. Disjunction in Expression of Tyrosinase and Tyrosinase Related Protein-2 in Lentigo
Maligna/Lentigo Maligna Melanoma
S Zurac, **G Negroiu**, R Andrei, T Tebeica, S Petrescu, V Chitu, C Salavastru, F Staniceanu. XXXIV Symposium of the International Society of Dermatopathology—Florence, September 26-28, 2013. Am J Dermatopathol 2014, 36(2):e36 **(poster)**

14. Inflammatory infiltrate in melanoma with regression as prognostic parameter
S. Zurac ; **G. Negroiu** ;· R. Andrei ;· S. Petrescu ;· T. Tebeica; · M. Petre ;· M. Neagu ; C. Constantin ; V. Chitu; C. Salavastru ; F. Staniceanu 25th European Congress of Pathology, Lisbon, 31.08, 2013, Virchows Arch (2013) 463:127. ISSN 0945-6317 **(poster)**

15. Matrix metalloproteinases underexpression in melanoma with regression Zurac S, **Negroiu G,** Petrescu S, Tudose I, Andrei R, Tebeica T, Popp C, Solovan C, Neagu M, Constantin C, Staniceanu F Virchows Archiv (2012) 461 (Suppl 1): S40. ISSN 0945-6317, 24th European Congress of Pathology,8-12, September, 2012, Prague, Czech Republic. **(poster)**

16. Different pathological aspects in primary and metastatic malignant melanoma.S Zurac,
R Andrei, F Staniceanu, A Bastian, E Gramada, G Micu, I Tudose, **G Negroiu**, S Petrescu
Histopathology, 2008,53 (suppl 1),407 ISSN 0309-0167, XXVIth International Congress of the Innternational academy of Pathology (IAP) Athens **(poster)**

17. Check points in the traffic pathways of Tyrosinase Related Proteins in melanoma Negroiu G cells 32th FEBS Congress Molecular Machines , 7-12 July, 2007 Vienna, FEBS J. 274, pg 103, 2007 **(poster)**

18. Tyrosinase Related Protein-2, a possible marker in the immunohistochemical assessment of melanocytic lesions, **Negroiu G,** Ardelean, C., Albu, R., Staniceanu, F., Zurac, S. Petrescu,S. Conference in New perspectives in Cancer Pathology, 24-27 May, 2007, Bucharest, Book of abstracts O.P.4.2. **(oral)**

19. Biocompatibility evaluation of a novel hydroxyapatite-polymer coating for medical implants (*in vitro* tests), **Negroiu G**, Piticescu RM, Chitanu GC, Mihailescu, IN, Zdrentu L, Miroiu M. **European Society of Biomaterial Conference, Brighton, 2007 (oral)**

20. Folding and Traffic Pathways of Tyrosinase Related Protein-1 and 2-in melanoma cells Negroiu G. Protein Folding and Transport in Health and Disease, Bucharest 29.06-03.07, 2005, pg 19 **(poster)**

21. Effect of lysosomotropic amines on TRP 2 maturation in B16 melanoma cells, **Negroiu G,** Petrescu SM **Pigment Cell Res**. 16, 594, 2003,11th ESPCR meeting, Oct..2003, Gent, Belgium **(poster)**

22. Inhibition of N-glycan processing in ER targeted tyrosinase related protein 2 for degradation in B16 mouse melanoma cells Negroiu G, Paduraru C, Dwek RA, Petrescu SM **Pigment Cell Res**. 15, 22, 2002, 18th IPCC, Sept. 2002, Egmond aan Zee (The Netherlands) **(poster)**

23. The role of disulfide formation and early N-glycan processing in transport and maturation of tyrosinase related rotein –1 in B16 melanoma cells, **Negroiu G**, Dwek RA, Petrescu SM **Pigment Cell. Res.** 13, 407,2000, 9th ESPCR meeting, Sept. 2000,Ulm, Germany **(poster**)

24. Two melanoma associated antigens are differently processed in the presence of glycosylation inhibitors Negroiu G, Nichita N, Dwek RA, Petrescu SM **John Humphrey Course on Self-Tolerance and Self-Recognition***,* pg.50, 2000 **(poster)**

25. Intracellular processing of melanosomal enzymes tyrosinase and tyrosinase related protein-1 (TRP-1) in B16F1 melanoma cells Negroiu G, Nichita N, Petrescu SM **Pigment Cell. Res.** 11, P-58, 1998, 8th ESPCR meeting, 23-26, Sept.1998, Prague, Checz Republic. **(poster)**

26. Identification of autoimmune/ arthritogenic epitopes of cartilage proteoglycans using autoreactive antibodies to mouse aggrecan Negroiu G, Roughley PJ, Cs-Szabo G, Brennan FR, Glant TT. **Arthritis Rheum.** 38 (9Suppl), S295, 1995, 59th Annual Scientific Meeting of the American College of Rheumatology ,Oct 21-26, 1995, San Francisco,US **(poster)**

27. Mouse cartilage proteoglycan fragment recognized by autoreactive antibodies isolated from arthritic serum Negroiu G, Cs-Szabo G, Brennan FR, Glant TT **FASEB J.** 9, A516, 1995, FASEB meeting, Atlanta, 12.04.1995 **(poster)**

28. A T–cell hybridoma recognizes cartilage proteoglycan and induces arthritis in mice Buzas E, Brenna FR, Mikecz K, **Negroiu G,** Hollo K, Glant TT **Trans ORS** 20, S2, 320, 1995 **(poster)**

29. Critical steps in the immune processing and presentation of proteoglycan (aggrecan) to T cells Brennan FR, **Negroiu G,** Buzas E, Mikecz, K, Hollo K, Glant TT **Trans. ORS** 20, S2, 320, 1995**(poster)**

30. Topical liposomes containing chondroitin sulfate Trif M, **Negroiu G** ***22*** **FEBS Meeting** Stockholm, 1993, pg.225 **(poster)**

RESEARCH GRANTS

Project coordinator

1. Grant No 5204*; Title:* "**Study of N-glycan processing of Tyrosinase and TRP-1**"; *Period:* 1999-2000; *Funding Authority:* National Agency for Science and Technology (ANSTI); Research and Development

2. *Grant No* 77; *Title:* "**Study of mechanisms of bioythesis and traffic of TRP-2, enzyme involved in regulation of normal and pathological processes of pigmentary system**" *Period: 2003-2004; Funding Authority: Romanian Academy*

3. Grant No 1155; Title*:* " **The effects of pH modifications on intracellular processing, trafficking and degradation of melanosomal antigens in malignant melanoma**"; *Period:* 2005-2007***;*** *Funding Authority:* National Council of Scientific Research, Section: Research and Development

4. Grant No 156; *Title:* "**The study of melanoma antigen Tyrosinase Related Protein-2 in metastaic progression-possible implications in melanoma diagnosis and therapy" (MelanomaTRP2)**; *Period:* 2011-2016 ***;*** *Funding Authority:*The Executive Unit for Funding the Superior Teaching, Research and Development; Section : Projects of Exploratory Research.

Project Partener

1. Grant no 46***;*** Title*:* ***„*Technological intergated network for research of advanced biocompatible structures for dental implants (RETE-β-DENT**); *Funding Authority***:** National Center of Program Management; Section: Complex Program of Research and Development (CEEX); *Period:* 2005-2008.

2. Grant no 3335*; Title:* **Nanostructured hybrid materials for sensors for therapy and diagnostic (HINAMASENS*);*** *Funding Authority***;** National Center of Program Management; Section: Complex Program of Research and Development (CEEX)***;*** Period: 2007-2010.

3. Grant No 138**;** Title*:* "**Identification of cellular and molecular profile of endometriosis for development of novel personalized therapies to predict infertility**" (ENDOFERTIL); *Period :* 2013-2017***;*** *Funding Authority:*The Executive Unit for Funding the Superior Teaching, Research and Development ; Section: Projects of Exploratory Research.

Data: 29.06.2016 **Dr. Gabriela Negroiu**