

Lista de lucrări științifice

Prof. Dr. Habil. Beatrice Mihaela **Radu** (nume dinaintea căsătoriei **Macri**)

A. Articole în reviste cotate ISI, ca autor principal (prim autor, autor corespondent, ultim autor)

- A1. Radu BM**, Bacalum M, Marin A, Chifiriuc CM, Lazar V, Radu M. (2011) Mechanisms of ceftazidime and ciprofloxacin transport through porins in multidrug-resistance developed by extended-spectrum beta-lactamase E.coli strains, *J Fluoresc.* 21(4):1421-9.
- A2. Radu BM**, Dumitrescu DI, Mustaciosu CC, Radu M (2012) Dual effect of methylglyoxal on the intracellular Ca(2+) signaling and neurite outgrowth in mouse sensory neurons. *Cell Mol Neurobiol* 32(6):1047-57
- A3. Radu BM**, Bramanti P, Osculati F, Flonta ML, Radu M, Bertini G, Fabene PF. (2013) Neurovascular unit in chronic pain. *Mediators Inflamm.* 2013:64826
- A4. Radu BM**, Iancu AD, Dumitrescu DI, Flonta ML, Radu M. (2013) TRPV1 properties in thoracic dorsal root ganglia neurons are modulated by intraperitoneal capsaicin administration in the late phase of type-1 autoimmune diabetes. *Cell Mol Neurobiol* 33(2):187-196.
- A5. Radu BM**, Dumitrescu DI, Marin A, Banciu DD, Iancu AD, Selescu T, Radu M. (2014) Advanced type 1 diabetes is associated with ASIC alterations in mouse lower thoracic dorsal root ganglia neurons. *Cell Biochem Biophys.* 68(1):9-23.
- A6. Campeanu RA#, Radu BM#, Cretoiu SM, Banciu DD, Banciu A, Cretoiu D, Popescu LM.** (2014) Near-infrared low level laser stimulation of telocytes from human myometrium. *Lasers Med Sci.* 29(6):1867-74. contributii egale cu primul autor
- A7. Cretoiu SM#, Radu BM#, Banciu A, Banciu DD, Cretoiu D, Ceafalan LC, Popescu LM.** (2015) Isolated human uterine telocytes: immunocytochemistry and electrophysiology of T-type calcium channels. *Histochem Cel Biol* 143(1):83-94. contributii egale cu primul autor
- A8. Radu BM**, Radu M, Tognoli C, Benati D, Merigo F, Assfalg M, Solani E, Stranieri C, Ceccon A, Fratta Pasini AM, Cominacini L, Bramanti P, Osculati F, Bertini G, Fabene PF. (2015) Are they in or out? The elusive interaction between Qtracker ® 800 vascular labels and brain endothelial cells. *Nanomedicine (Lond).* 10(22):3329-42.
- A9. Cretoiu D#, Radu BM#, Banciu A, Banciu D, Cretoiu SM.** (2017) Telocytes heterogeneity: From cellular morphology to functional evidence. *Semin Cell Dev Biol.* 64:26-39. contribuții egale cu primul autor
- A10. Radu BM**, Banciu A, Banciu DD, Radu M, Cretoiu D, Cretoiu SM. (2017) Calcium Signaling in Interstitial Cells: Focus on Telocytes. *Int J Mol Sci.* 18(2).
- A11. Radu BM**, Epureanu FB, Radu M, Fabene PF, Bertini G. (2017) Nonsteroidal anti-inflammatory drugs in clinical and experimental epilepsy. *Epilepsy Res.* 131:15-27.

A12. Radu BM, Osculati AMM, Suku E, Banciu A, Tsenov G, Merigo F, Di Chio M, Banciu DD, Tognoli C, Kacer P, Giorgetti A, Radu M, Bertini G, Fabene PF. (2017) All muscarinic acetylcholine receptors (M1-M5) are expressed in murine brain microvascular endothelium. *Sci Rep.* 7(1):5083.

A13. Banciu A, Banciu DD, Mustaciosu CC, Radu M, Cretoiu D, Xiao J, Cretoiu SM, Suci N, **Radu BM**. (2018) Beta-Estradiol Regulates Voltage-Gated Calcium Channels and Estrogen Receptors in Telocytes from Human Myometrium. *Int J Mol Sci.* 19(5) :1413.

A14. Mustăciosu CC, Banciu A, Rusu CM, Banciu DD, Savu D, Radu M, **Radu BM**. (2019) RNA-Binding Proteins HuB, HuC, and HuD are Distinctly Regulated in Dorsal Root Ganglia Neurons from STZ-Sensitive Compared to STZ-Resistant Diabetic Mice. *Int J Mol Sci.* 20(8) :1965.

A15. Predescu DV, Crețoiu SM, Crețoiu D, Pavelescu LA, Suci N, **Radu BM**[@], Voinea SC. (2019) G Protein-Coupled Receptors (GPCRs)-Mediated Calcium Signaling in Ovarian Cancer: Focus on GPCRs activated by Neurotransmitters and Inflammation-Associated Molecules. *Int J Mol Sci.* 20(22): 5568, [@]autor corespondent.

B. Articole în reviste cotate ISI, ca și contributor

B1. Neagoe I, **Macri B**, Flonta ML (2004) Hyperici herba extract interaction with artificial lipid bilayers, *J Pharmac Pharmacol*, 56(10):1283-9.

B2. Neaga E, Amuzescu B, Dinu C, **Macri B**, Pena F, Flonta ML. (2005) Extracellular trypsin increases ASIC1a selectivity for monovalent versus divalent cations, *J Neurosci Meth*, 144:241-248.

B3. Loucif AJ, Bonnavion P, **Macri B**, Golmard JL, Boni C, Melfort M, Leonard G, Lesch KP, Adrien J, Jacquin TD. 2006. Gender-dependent regulation of G-proteingated inwardly rectifying potassium current in dorsal raphe neurons in knock-out mice devoid of the 5-hydroxytryptamine transporter. *J Neurobiol.* 66(13):1475-88.

B4. Nae M, Gazdaru D, Acasandrei A, Georgescu R, **Macri B**, Radu M. 2008. A fluorescence approach of the gamma radiations effects on gramicidin A channels inserted in liposomes. *J Pept Sci* 14(9):1003-1009.

B5. Avram S, Duda-Seiman D, Borcan F, **Radu B**, Duda-Seiman C, Mihailescu D. 2011. Evaluation of antimicrobial activity of the new mastoparan derivatives by using QSAR and computational mutagenesis, *Int J Pept Res Ther.* 17:7-17

B6. Cretoiu SM, Cretoiu D, Marin A, **Radu BM**, Popescu LM (2013) Telocytes: ultrastructural, immunohistochemical and electrophysiological characteristics in human myometrium, *Reproduction*, 145(4):357-370.

B7. Bertini G, Bramanti P, Constantin G, Pellitteri M, **Radu BM**, Radu M, Fabene PF. (2013) New players in the neurovascular unit: Insights from experimental and clinical epilepsy. *Neurochem Int.* 63(7):652-659.

B8. Roatesi I, **Radu BM**, Cretoiu D, Cretoiu SM. (2015) Uterine Telocytes: A Review of Current Knowledge. *Biol Reprod.* 93(1):10.

B9. Mann SA, Heide J, Knott T, Airini R, Epureanu FB, Deftu AF, Deftu AT, **Radu BM**, Amuzescu B. (2019) Recording of multiple ion current components and action potentials in human induced pluripotent stem cell-derived cardiomyocytes via automated patch-clamp. *Journal of Pharmacology and Toxicology*. 100:106599.

B10. Staicu CE, Predescu DV, Rusu CM, **Radu BM**, Cretoiu D, Suciu N, Cretoiu SM, Voinea SC (2020) Role of microRNAs as clinical cancer biomarkers for ovarian cancer: a short overview. *Cells*, 9(1):169

C. Articole publicate în reviste indexate BDI, ca autor principal

C1. Radu BM, Anuta V, Stoian G. (2009) Gender-differences in mice hypericin plasma levels upon long-term *Hypericum* administration. *The Open Natural Products Journal* 2:68-70

C2. Radu BM, Radu M, Banciu DD. (2009) Synchronous and periodic calcium oscillations in neuronal networks formed by sensory neurons in primary culture. *Rom J Biophys* 19(4):227-237.

C3. Radu BM, Iancu AD, Marin A, Radu M, Banciu DD, Stavaru C, Radu DL. (2009) Basic features of sensory neurons from dorsal root ganglia in TCR-HA+/- / RIP-HA+/- mice. *Rom J Biophys* 19(2):83-95

C4. Radu BM, Banciu DD, Banciu A, Radu M. (2014) Diabetic neuropathy: promises and disappointments from benchside to bedside. *Journal of Neurology & Stroke* 1(3):00015

C5. Radu BM, Radu M. (2015) Unleashing the potential of brain endothelial cells in epilepsy. *Journal of Neurology & Stroke* 3(2):00084

C6. Radu BM, Radu M. (2015) Recent preclinical and clinical technological advances suitable to unravel the physiological and pathological status of the blood brain barrier in neurology. *EC Neurology* 1.2:22-28.

C7. Amuzescu B, Airini R, Ghica L, Epureanu FB, Deftu AF, Cucu DM, Ristoiu VP, Mihailescu DF, **Radu BM**. Novel approaches to proarrhythmogenic risk testing using automated patch-clamp platforms. *Rom. J. Biopys*. 2017, 27 (1): 013-022

D. Articole publicate în reviste indexate BDI, ca și contributor

D1. Amuzescu B, Ion S, Popescu D, Movileanu D, Avram S, Macri B, Flonta ML. (2002) Thermal group motion creates stochastic pores in plane phosphatidylcholine bilayers. *Romanian Journal of Biophysics*, 12:(1-2):37-52.

D2. Iancu AD, Petcu I, Radu BM, Radu M. (2012) Capsaicin short term administration effect on different immune parameters. *Romanian Archives of Microbiology and Immunology* 71(4):221-254

D3. Banciu A, Necula G, **Radu BM**, Banciu DD (2016) Interaction between the *Escherichia coli*

outer membrane protein F and the antibiotic ceftazidime. *Annals of the Constantin Brancusi University of Targu Jiu-Letters & Social Sciences Series*, 3:118-122.

D4. Rusu CM, Bacalum M, Deftu AT, **Radu BM**, Radu M, (2018) Digital analysis of actin filaments images obtained by fluorescence microscopy, *Romanian Journal of Biophysics* 28 (4) :147-157.

E. Articole în alte reviste, ca autor principal

E1. Macri B, Popescu D, Flonta ML, Stoian G. (2005) Efectul hipericinei asupra membranelor lipidice. *Studii și cercetări de virusologie*, vol.35, 1, 57-63.

F. Capitole în cărți/volume, în edituri internaționale

F1. Macri BM, Stoian G, Flonta ML. (2006) Active compounds from *Hyperici herba*: traditional versus modern knowledge. In Recent progress in medicinal plants, volume 13 (*Search for Natural Products*), editors Govil JN, Singh VK, Arunachalam C, pp. 339-355. Studium Press, Houston, ISBN 0-9761849-5-8

F2. Radu BM, Banciu A, Banciu DD, Radu M. 2016. Chapter 4. Acid Sensing Ion Channels as Potential Pharmacological Targets in Peripheral and Central Nervous System Diseases. *Adv Protein Chem Struct Biol*. 103:137-67. in Ion Channels as Therapeutic Targets, Part A, editor Rossen Donev, Elsevier, ISBN: 978-0-12-804794-1.

F3. Banciu DD, Banciu A, **Radu BM**. 2016. Chapter 19. Electrophysiological Features of Telocytes. *Adv Exp Med Biol*. 913:287-302. in Telocytes Connecting cells, editors Xiangdong Wang, Dragos Cretoiu. Springer ISSN 0065-2598, ISBN 978-981-10-1060-6

F4. Dumitru A, **Radu BM**, Radu M, Cretoiu SM, 2018, Section II, Basic aspects of muscle atrophy, 4. Muscle changes during atrophy, *Adv Exp Med Biol*. 1088, in Muscle atrophy, editor Junjie Xiao, Springer Nature ISSN 0065-2598, ISBN 978-981-13-1434-6

F5. Dumitru A, Toader DO, Cretoiu SM, Cretoiu D, Suciu N, **Radu BM**, 2018, Chapter 8. Alterations in Calcium Signaling Pathways in Breast Cancer, in Calcium and Signal Transduction, Editors John N. Buchholz and Erik J. Behringer, InTechOpen, doi:10.5772/intechopen.80811, ISBN: 978-1-78984-250-0, Print ISBN: 978-1-78984-249-4

F6. Voichitioiu AD#, **Radu BM**#, Pavelescu L, Cretoiu D, Deftu AT, Suciu N, Cretoiu SM, 2019. Extracellular Vesicles in Cancer, in Extracellular Vesicles and their importance in human health, InTechOpen, DOI: 10.5772/intechopen.85117, #contribuții egale cu primul autor

F7. Deftu AT#, **Radu BM**#, Cretoiu D, Deftu AF, Cretoiu SM, Xiao J. 2020. Exosomes as intercellular communication messengers for cardiovascular and cerebrovascular diseases, in Exosomes. A Clinical Compendium. editors Larry Edelstein and Denis Noble, Elsevier, ISBN: 978-0-12-816053-4, #contribuții egale cu primul autor

G. Comunicări la conferințe internaționale

- G1. Macri B**, Stoian G, Marin A, Flonta M.L. Hypericin potentates the effect of tricyclic antidepressants on artificial lipid bilayers, *45th International Conference on the Bioscience of Lipids*, Ioannina, Grecia, 2004, abstract publicat in *Chemistry and Physics of Lipids* 130(1):54. poster
- G2. Macri B**, Stoian G, Flonta ML. New insights of hypericin blood transport and its incorporation into the plasma membrane, *15th IUPAB & 5th EBSA Biophysics Congress*, Montpellier, Franta, 2005, abstract publicat in *European Journal of Biophysics*, 34(6): 804. Poster
- G3. Macri B**, Iancu AD, Flonta ML. Electrophysiological characterization of the Ca²⁺-L type channels in neurons from dorsal root ganglia upon superfusion of coumarines, *17th Ion channel meeting*, Presqu'île de Giens, Franta, 2006. Poster
- G4. Macri B.**, Radu M. UV-VIS spectroscopy for natural polyphenolic derivatives: hypericin and coumarin, *12th European Conference on the Spectroscopy of Biological Molecules*, Paris, France, 2007. poster
- G5.** Nae M, Gazdaru D, Acasandrei A, **Macri B**, Radu M (2007) Changes in fluorescence characteristics of Gramicidin A channel inserted into liposomes upon gamma irradiation, *2nd workshop on biophysics of membrane-active peptides*, Lisbon, Portugal. poster
- G6. Macri BM**, Marin A, Iancu AD, Stavaru C, Radu DL. Melittin effect on the sensory neurons prelevated from double transgenic vs. normal mice, *30th European Peptide Symposium*, Helsinki, Finlandia, 2008, abstract publicat in *Journal of Peptide Science*. Suppl 14(8):148. poster
- G7. Radu BM**, Iancu AD, Radu DL, Radu M. TRPV1 role in diabetic neuropathy evaluated in a double transgenic diabetic mice, *7th FENS Forum of European Neuroscience*, Amsterdam, Olanda, 2010. poster
- G8. Radu BM**, Iancu AD, Rotaru D, Radu DL, Stavaru C, Mustaciosu C, Radu M. Capsaicin is a key molecule in neuropathic pain induced by diabetes, *35th FEBS Congress*, Gotheburg, Suedia, 2010, abstract publicat in *FEBS Journal*, 277(S1):77. poster
- G9. Radu BM**, Iancu AD, Radu DL, Radu M. Capsaicin decreases blood glucose, insulin and TRPV1 expression in sensory peripheral neurons in double transgenic diabetes mice, *1st International Diabetes and Obesity Forum*, Atena, Grecia, 2010, abstract publicat in *Diabetes Obesity and Metabolism Journal*, 12(S1): 41. comunicare orală
- G10. Radu BM**, Iancu AD, Radu DL, Radu M. Is double transgenic mice TCR-HA⁺/⁻/Ins-HA⁺/⁻ a proper model for peripheral diabetic neuropathy? *50th Annual Meeting of the American Society of Cell Biology*, Philadelphia, Pennsylvania, USA, 2011. poster
- G11. Radu BM**, Rotaru D, Iancu AD, Radu DL, Radu M. Methylglyoxal effect on sensory neurons from dorsal root ganglia DRG in type 1 diabetes mice, *EMBO/EMBL Symposia: Seeing is Believing - Imaging the Processes of Life*, Heidelberg, Germania, 2011. poster
- G12. Radu BM**, Banciu DD, Marin A, Rotaru D, Radu M. Imaging sensory neurons and neuroblastoma SH-SY5Y during manipulation with optical tweezers, *8th World IBRO Congress*,

Florence, Italia, 2011. poster

G13. Radu BM, Dumitrescu DI, Temelie M, Marin A, Banciu DD, Iancu AD, Radu DL, Radu M. TRPV1 and ASICs are master players in peripheral diabetic neuropathy, *4th International Congress on Cell Membranes and Oxidative Stress: Focus on Calcium Signaling and TRP channels*, Isparta, Turcia, 2012, abstract publicat in *Cell Membranes and Free Radical Research*, 4(1): 35. poster

G14. Radu BM, Radu M, Tognoli C, Fucile S, Bertini G, Fabene PF. Brain microvascular endothelial cells are bricks in the wall of epileptogenesis, *8th International Symposium on Neuroprotection and Neurorepair*, Magdeburg, Germania, 2014, comunicare orală

G15. Radu BM, Radu M, Merigo F, Tognoli C, Di Chio M, Fucile S, Constantin G, Bertini G, Fabene PF. Pilocarpine acts on distinct muscarinic acetylcholine receptors expressed in brain microvascular endothelial cells and alters BBB functionality. A new paradigm in epileptogenesis. *XXVIIth International Symposium on Cerebral Blood Flow, Metabolism, and Functions & XIIth International Conference on Quantification of Brain Function with PET*, Vancouver, Canada, 2015, comunicare orală

G16. Campeanu RA, **Radu BM**, Cretoiu SM, Banciu DD, Banciu A, Cretoiu D, Popescu LM, Human myometrial telocytes: in vitro low-level laser stimulation, 18th International Microscopy Congress, Praga, Republica Ceha, 2015, poster

G17. Radu BM, Cretoiu SM, Banciu A, Banciu DD, Cretoiu D, Popescu LM. In vitro electrophysiology of human myometrial telocytes, 18th International Microscopy Congress, Praga, Republica Ceha, 2015, poster

G18. Radu BM, Pharmacology and functional expression of muscarinic receptors for acetylcholine in brain microvascular endothelial cells, 1st BIGS Student Neuroscience Symposium, 16-18 November 2016, Diez, Germany, comunicare orală

G19. Radu BM, Banciu A, Radu M, Merigo F, Banciu DD, Tsenov G, di Chio M, Bertini G, Fabene PF. Acid sensing ion channels (ASIC) in brain endothelial cells as pH sensors in epilepsy. Do they play a neuroprotective role? 9th International Symposium on Neuroprotection and Neurorepair (Neurorepair 2016), Leipzig, Germania, 2016, poster

G20. Mann S, Hiede J, **Radu B**, Amuzescu B, Knott T, Measuring multiple ion current components in human induced pluripotent stem cell-derived cardiomyocytes via automated patch-clamp, SPS Annual Meeting, Berlin, Germany, 2017, poster

G21. Knott T, Mann S, Heide J, Airini R, Epureanu F, Deftu A, Deftu AT, **Radu B**, Amuzescu B, Recording and modeling multiple ion current components and action potentials in human induced pluripotent stem cell-derived cardiomyocytes, *Biophysical Society 62nd Annual Meeting*, San Francisco, USA, 17-21 februarie, 2018. poster

G22. Radu BM, Banciu A, Cretoiu SM, Cretoiu D, Banciu DD, Mustaciosu CC, Radu MR, Suci N, Calcium signaling in interstitial cells from human uterine myometrium: from bench to bedside, 1st International Perinatal TOTAL Health Congress, Sinaia, Romania, 27-30 iunie, 2018, comunicare orală

G24. Mann S, Heide J, Airini R, Epureanu FB, Deftu AF, Deftu AT, **Radu BM**, Knott T, Amuzescu B. "Development of a New CiPA-Compliant MOA In Vitro Assay on Stem Cell-Derived Cardiomyocytes including Automated Data Analysis and Model Parameter Optimization",

Pharmacology Annual Meeting 2018, 30 sep – 4 oct 2018, Washington DC, USA, poster

G25. Mann S, Heide J, Airini R, Epureanu FB, Deftu AF, Deftu AT, **Radu BM**, Knott T, Amuzescu B, "Development of a New CiPA-compliant Cardiac Safety Pharmacology Automated Patch-clamp Assay", Ncardia Application Workshop, 7-9 noiembrie, 2018, Cologne, Germania, poster

G26. Deftu AT, Rusu CM, Stoica R, Tudor MI, Bacalum M, Mustaciosu CC, Merigo F, Fabene PF, **Radu BM**. Blood brain barrier permeabilization in epileptogenesis is due to cytoskeleton remodelling and adhesion molecules upregulation, 1st International Conference on Neuroscience, Neuroinformatics, Neurotechnology and Neuro-Psychopharmacology, 15-17 noiembrie 2018, Bucuresti, Romania, comunicare orală

G27. Radu BM. Calcium signaling in brain microvascular endothelium and its role in epilepsy, 7th World Congress. Oxidative stress, calcium signaling and TRP channels, 20-23 apr 2018, Alanya, Antalya, Turcia, comunicare orală

G28. Radu BM. Dimitrie Călugăreanu – a man beyond his epoch: from flying in a balloon to neurophysiology, FENS Regional Meeting 2019, FENS History Corner, 10-13 iulie 2019, Belgrad, Serbia, poster

G29. Radu BM, Flonta ML. Alexandru M. Vitzu – Founder of the Romanian school of experimental physiology, FENS Regional Meeting 2019, FENS History Corner, 10-13 iulie 2019, Belgrad, Serbia, poster

G30. Radu BM, Banciu A, Banciu DD, Dumitrescu DI, Mustaciosu CC, Rusu CM, Radu M, Melittin distinctly regulates SUR1- or SUR2-coupled Kir6.2 pore-forming subunits expression in rat dorsal root ganglia neurons, FENS Regional Meeting 2019, 10-13 iulie 2019, Belgrad, Serbia, poster

G31. Neamtu BM, Fărcaș A, **Radu BM**, Dragomir A, Maniu I, Banciu DD, Low Level Laser Modulation of Calcium Channels Leads to Neuronal Extensions Growth, The 7th IEEE International Conference on E-Health and Bioengineering - EHB 2019, Grigore T. Popa University of Medicine and Pharmacy, 21-23 noiembrie, 2019, Iași, Romania publicație în proceedings, comunicare orală

G32. Rusu CM, Deftu AT, Banciu A, Banciu DD, **Radu BM**, Biological effects of Escherichia coli lipopolysaccharide (LPS) on blood brain barrier using an in vitro model of neuroinflammation, 28th ISFN Annual Meeting, 5-7 ianuarie 2020, Eilat, Israel, poster

G33. Amuzescu BP, Knott T, Mann SA, Knuepling J, Airini R, Epureanu FB, **Radu BM**, Using onset-of-block kinetic analysis of hERG1 current with a Markov model to improve *in silico* proarrhythmogenic risk prediction, 64th Annual Meeting of the Biophysical Society, 15-19 februarie 2020, San Diego, California, USA, poster

G34. Amuzescu B, Thomet U, Knott T, Mann S, Radu BM, CiPA-compliant assessment of proarrhythmogenic risk for chloroquine and hydroxychloroquine, Safety Pharmacology Society (SPS) Annual Meeting 2020, 14-16 Septembrie 2020, Virtual Meeting, poster

H. Comunicări la conferințe naționale

H1. Macri BM, Neagoe I, Flonta ML, The interaction between Hyperici herba and artificial lipid bilayers, 2002 Annual Scientific Conference, Faculty of Physics, Magurele, Romania, 2002. comunicare orală

H2. Macri BM, Amuzescu B, Neaga E, Dinu C, Flonta ML, Dual effect of amitriptyline on amiloride-blockable acid-sensing ion channels, 2003 Annual Scientific Conference, Faculty of Physics, Magurele, Romania, 2003. comunicare orală

H3. Macri B, Flonta ML, Reid G, Physicist role in a research biological center, Colocviul National de Fizica 'Învățământul și Cercetarea Stiințifică', Bucuresti, Romania, 2003. comunicare orală

H4. Macri BM, Stoian G, Marin A, Flonta ML, The effect of hypericin on acid-sensing ion channels, *The first international conference of the National Neuroscience Society of Romania*, Bucuresti, Romania, 2003. Poster (premiul pentru cel mai bun poster acordat Radu BM)

H5. Macri B, Stoian G, Marin A, Flonta ML (2004) Hydrophobicity of tricyclic and polycyclic antidepressants influences their interaction with lipid bilayers, Proceedings of the *Second Workshop on Mathematical modeling of Environmental and Life Sciences problems*, Bucuresti, Romania, 2003, pp. 55-69. Editura Academiei Romane, ISBN 973-27-1113-2, comunicare orală

H6. Prica C, Neaga E, **Macri B**, Popescu D, Flonta ML, Effect of tricyclic antidepressants on the frog epithelium, Proceedings of the *Fouth Workshop on Mathematical modeling of Environmental and Life Sciences problems*, Constanta, Romania, 2005, pp. 211-222. Editura Academiei Romane, ISBN 973-27-1358-5, comunicare orală

H7. Macri BM, Iancu A, Flonta ML, Electrophysiological characteristics of the neurons from dorsal root ganglia upon superfusion of coumarines, *2006 Annual Scientific Conference*, Faculty of Physics, Magurele, Romania, 2006. comunicare orală

H8. Macri BM, Cholesterol effect on the insertion of coumarin-3-carboxylic acid effect into model lipid bilayers, *Sixth Workshop on Mathematical Modeling of Environmental and Life Sciences Problems*, Constanta, Romania, 2007. comunicare orală

H9. Macri BM, Physico-chemical description of hypericin, *1st Workshop of the Molecular Biology Center 'The Development of standardized natural products enriched in polyphenols using biodisponibility studies*, Sinaia, Romania, 2007. comunicare orală

H10. Marin A, Macri BM, Radu M, Winterhalter M, Effect of ceftazidime on the electrophysiological properties of OmpF, *RSBMM International Conference 2008*, Bucuresti, Romania, abstract publicat in Romanian Journal of Biochemistry 45(1):26. comunicare orală

H11. Avram S, Macri BM, Rational design of antimicrobial peptides: strategy for drug design, *RSBMM International Conference 2008*, Bucuresti, Romania, abstract publicat in Romanian Journal of Biochemistry 45(1):39. comunicare orală

H12. Iancu AD, Macri BM, Stavaru C, Radu DL, The algesc profile of sensory neurons dissociated from dorsal root ganglia INS-HA+/-, TCR-HA+/- mice compared to Balb/c mice, *RSBMM International Conference 2008*, Bucuresti, Romania, abstract publicat in Romanian Journal

of Biochemistry 45(1):83. poster

H13. Macri BM, Iancu AD, Stavaru C, Radu DL, Flonta ML, Model animal de studiu pentru neuropatia periferica in diabetul de tip I – soarecele dublu transgenic TCR-HA+/- / INS-HA+/-, *Al IV-lea Simpozion al Societatii Nationale de Neurostiinte 'Transdisciplinaritate in Neurostiinte'*, Bucuresti, Romania, 2008. poster

H14. Radu BM, Radu M, Iancu AD, Stavaru C, Radu DL, Changes in the level of expression for voltage-gated sodium channels and acid sensing ion channels induced by genetic diabetes, *XXth International Symposium on Bioelectrochemistry and Bioenergetics*, Sibiu Romania, 2009. poster

H15. Radu BM, Rotaru D, Iancu AD, Radu DL, Radu M, Role of sodium channels in genetic painful diabetic neuropathy, *5th 'Gheorghe Marinescu' Symposium of the National Neuroscience Society of Romania with international participation 'Technology driven neuroscience'*, Bucuresti, Romania, 2009. poster

H16. Rotaru D, Radu BM, Radu M, Iancu AD, Radu DL, Early painful diabetic neuropathy is associated with differential changes in voltage-gated sodium channels in dorsal root ganglion neurons in the mice, *National Conference of Biophysics*, Cluj-Napoca, Romania, 2009. poster

H17. Radu BM, Radu M, TTX-sensitive and TTX-resistant sodium channels in type I diabetes, *2009 Annual Scientific Conference*, Faculty of Physics, Magurele, Romania, 2009. comunicare orală

H18. Banciu DD, Marin A, Radu BM, Radu M, Savopol T, Flonta ML, Utilizarea pensetei optice cuplata cu microscopia de fluorescanta in cercetarile biologice, *Conferinta Filialei Bucuresti a SRBPA*, Bucuresti, Romania, 2010. comunicare orală

H19. Radu BM, Iancu AD, Radu DL, Radu M, Biophysical characteristics of TRPV1 receptor in type I autoimmune diabetes, *2010 Annual Scientific Conference*, Faculty of Physics, Magurele, Romania, 2010. comunicare orală

H20. Marin A, Banciu DD, Istrate B, Radu BM, Kassir M, Flonta ML, Melitina-compusul activ din veninul de albina in patologii cu impact social major: diabet, durere, cancer, *Conferinta Filialei Bucuresti a SRBPA*, Bucuresti, Romania, 2010. poster

H21. Radu BM, Iancu AD, Rotaru D, Radu DL, Radu M, Administrarea intraperitoneala a capsaicinei diminueaza/reverseaza aparitia neuropatiei diabetice, *Al 6-lea Simpozion al Societatii Nationale de Neurostiinte*, Bucuresti, Romania, 2010. poster

H22. Radu BM, Rotaru D, Marin A, Banciu DD, Petrescu L, Iancu AD, Radu DL, Radu M, Canalele ionice activate de pH acid actioneaza ca un senzor molecular la nivelul sistemului nervos periferic in diabetul de tip I, *Congresul anual al Asociatiei Medicale Romane*, 2011, abstract publicat in *Analele Medicale Romane* I(1):2011, Editura ILEX. poster

H23. Radu BM, Rotaru D, Iancu A, Radu DL, Radu M, Biophysical approach of the diabetic neuropathy in peripheral sensory neurons, *Conferința Națională de Biofizică*, Sibiu, Romania, 2011. comunicare orală

H24. Radu BM, Neurovascular unit in epilepsy, *7th Conference of the National Neuroscience Society of Romania (SNN 2016): Neurons and Mind in Health and Disease*, Bucuresti, Romania, 2016, comunicare orală

H25. Radu BM, Banciu A, Banciu DD, Farcuta A, Unitatea neurovasculara in epilepsie. *Prima Conferința Naționala de Neuroștiințe, Neuroinformatică, Neurotehnologie și Neuro-Psiho-Farmacologie*, Biblioteca Academiei Romane, București, Romania, 2016, comunicare orală

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Semnătura

