

**PORTOFOLIUL DE LUCRĂRI ȘTIINȚIFICE RELEVANTE  
ÎN DOMENIUL DE DOCTORAT MEDICINĂ**

**DUPĂ CONFERIREA TITLULUI DE DOCTOR IN ȘTIINȚE MEDICALE (2003)**

**Conf. univ. Ana-Maria Zăgrean**

**CĂRȚI ȘI CAPITOLE DE CĂRȚI:**

**Internaționale:**

1. **Ana-Maria Zăgrean**, Diana Maria Chitimus, Corin Badiu, Anca Maria Panaitescu, Gheorghe Peltecu, Leon Zăgrean. The pineal gland and its function in pregnancy and lactation, Chapter 2 in *Maternal-Fetal and Neonatal Endocrinology. Physiology, Pathophysiology, and Clinical Management*. 1st Edition, Editors: Christopher Kovacs, Cheri Deal, *Academic Press, Elsevier Science*, May 2019 (*in press*) ISBN: 9780128148235
2. **Ana-Maria Zăgrean**, Diana Maria Chitimus, Francesca Gabriela Paslaru, Suzana Voiculescu, Corin Badiu, Gheorghe Peltecu, Anca Maria Panaitescu. Pineal gland disorders and circadian rhythm alterations in pregnancy and lactation. Chapter 17 in *Maternal-Fetal and Neonatal Endocrinology. Physiology, Pathophysiology, and Clinical Management*. 1st Edition, Editors: Christopher Kovacs, Cheri Deal, *Academic Press, Elsevier Science*, May 2019 (*in press*) ISBN: 9780128148235
3. Suzana Voiculescu, Diana Le Duc, Adrian Rosca, **Ana-Maria Zăgrean**. The pineal gland development and its physiology in fetus and neonate. Chapter 31 in *Maternal-Fetal and Neonatal Endocrinology. Physiology, Pathophysiology, and Clinical Management*. 1st Edition, Editors: Christopher Kovacs, Cheri Deal, *Academic Press, Elsevier Science*, May 2019 (*in press*) ISBN: 9780128148235
4. **Ana-Maria Zăgrean**, Bogdan Ianos, Cosmin Sonea, Ioan Opris, and Leon Zăgrean. Blood-Brain Barrier and Cognitive Function. Book chapter in “The Physics of the Mind and Brain Disorders. Integrated Neural Circuits Supporting the Emergence of Mind”. Eds I. Opris, M.F. Casanova. Part of the *Springer Series in Cognitive and Neural Systems book series* (SSCNS, volume 11). *Springer International Publishing* Switzerland. **2017**. p 713-740. ISBN. 2363-9105
5. Cosmin-Andrei Serban, Andrei Barborica, Adina-Maria Roceanu, Ioana-Raluca Mîndruta, Jean Ciurea, **Ana-Maria Zăgrean**, Leon Zăgrean, and Mihai Moldovan. EEG Assessment of Consciousness Rebooting from Coma. Book chapter in “The Physics of the Mind and Brain Disorders. Integrated Neural Circuits Supporting the Emergence of Mind”. Eds. I. Opris, M.F. Casanova. Part of the *Springer Series in Cognitive and Neural Systems book series* (SSCNS, volume 11). *Springer International Publishing* Switzerland. **2017**. p 361-381. ISBN. 2363-9105

6. Pathophysiology of the middle cerebral artery. A. Popa-Wagner, D. Pirici, **A.M. Zăgrean**, E. Petcu, L. Mogoanta, L. Zăgrean, C.L. Rosen, R. Leon, J. Huber. pp. 1-45. Book chapter in “Cerebral circulation: anatomy, distribution and physiopathology”, “Advances in medicine and biology”. Vol 8. Eds: Leon V. Berhardt. *NOVA Publishers*, **2011**. ISBN 978-1-61728-454-0. ISBN. 2363-9105

#### **Naționale:**

1. Fiziologia micțiunii. **Ana-Maria Zăgrean**, Anca Maria Panaitescu, Denise Carmen Mihaela Zahiu, Leon Zăgrean, Chapter 4 in “Incontinența urinară de efort”, coordinated by Ghe. Peltecu, G. Iancu, AM Panaitescu, N. Gică, Romanian Academy Publishing House, **2018**. ISBN – 978-973-27-2970-0
2. Fiziologia respirației, capitol in “Fiziologie – Lucrări practice” **Ana-Maria Zăgrean** (co-author), Editura Universitară “Carol Davila”, București, **2012**. ISBN – 9789737086211.
3. Fiziologia sistemului respirator. Lucrări practice. **Zăgrean A-M.**, Bubuianu A., Braga R. Editura Universitară “Carol Davila”, București, **2007**, ISBN: 978-973-708-190-2.

#### **ARTICOLE**

**Articole publicate in reviste ISI cu factor de impact, ca autor principal (prim autor, ultimul autor/autor coordinator, autor corespondent) – 13 articole după 2003:**

1. Spataru A, Le Duc D, Zăgrean L, **Zăgrean AM**. Ethanol exposed maturing rat cerebellar granule cells show impaired energy metabolism and increased cell death after oxygen-glucose deprivation. *Neural Regen Res* **2019**, 14(3):485-490. **IF=2.23**
2. **Ana-Maria Zăgrean**, Dirk M. Hermann, Ioan Opris, Leon Zăgrean and Aurel Popa-Wagner. Multicellular crosstalk between exosomes and the neurovascular unit after cerebral ischemia. Therapeutic implications. *Front. Neurosci.* **2018**, doi: 10.3389/fnins.2018.00811, **IF = 3.87**
3. Elena Laura Georgescu, Ioana Antoaneta Georgescu, Denise Zahiu, Alexandru Razvan Steopoaie, Vlad Petru Morozan, Adrian Stefan Pana, **Ana-Maria Zăgrean\***, Daniela Popa\*. Oscillatory cortical activity in an animal model of dystonia caused by cerebellar dysfunction. *Front. Cell. Neurosci.*, **2018**, DOI: 10.3389/fncel.2018.00390, **IF = 4.3. Articol premiat de UEFISCDI pentru publicarea în reviste aflate în zona roșie (Q1).**
4. S Isac, AM Panaitescu, M Iesanu, IF Grigoras, A Totan, A Udriste, N Cucu, G Peltecu, L Zăgrean, **AM Zăgrean**. Maternal High-Fat Diet Modifies the Immature Hippocampus Vulnerability to Perinatal Asphyxia in Rats. *Neonatology*, August **2018**, 114 (4), 355-361, **IF = 2.68. Articol premiat de UEFISCDI pentru publicarea în reviste aflate în zona roșie (Q1).**

5. Panaitescu AM, Isac S, Pavel B, Ilie AS, Creanga M, Totan A, Zagrean L, Peltecu G, **Zagrean AM**, Oxytocin Reduces Seizure Burden and Hippocampal Injury in a Rat Model of Perinatal Asphyxia, *Acta Endo (Buc)* **2018** 14: 315-319 doi: 10.4183/aeb.2018.315, **IF = 0.41**
6. Sebastian Isac, Anca Maria Panaitescu, Ana Spataru, Mara Iesanu, Alexandra Totan, Amalia Udriste, Natalia Cucu, Gheorghe Peltecu, Leon Zagrean, **Ana-Maria Zagrean**. Transveratrol enriched maternal diet protects the immature hippocampus from perinatal asphyxia in rats. *Neuroscience Letters*, June **2017**, 653, 308-313, doi: 10.1016/j.neulet.2017.06.003, **IF=2.18**
7. Voiculescu SE, Le Duc D, Roșca AE, Zeca V, Chițimuș DM, Arsene AL, Drăgoi CM, Nicolae AC, Zăgorean L, Schöneberg T, **Zagrean AM**. Behavioral and molecular effects of prenatal continuous light exposure in the adult rat. *Brain Res.* **2016** Nov 1; 1650:51-59. doi: 10.1016/j.brainres.2016.08.031, **IF = 3.01**
8. Badescu SV, Tataru CP, Kobylinska L, Zahiu CD, Georgescu EL, Zagrean L, **Zagrean AM**. Chronic Caffeine's Effects on Behavioural Changes in Streptozotocin induced Diabetic Rats. *Acta Endo (Buc)* **2016**, 12 (3): 268-274 doi: 10.4183/aeb.2016.268, **IF = 0.25**
9. Le Duc D, Spataru A, Ceanga M, Zagrean L, Schöneberg T, Toescu EC, **Zagrean AM**. Developmental exposure to ethanol increases the neuronal vulnerability to oxygen-glucose deprivation in cerebellar granule cell cultures. *Brain Res.* **2015** Jul 21; 1614:1-13. doi: 10.1016/j.brainres.2015.04.009, **IF = 3.01**. **Articol premiat de UEFISCDI pentru publicarea în reviste aflate în zona galbenă (Q2).**
10. **Zagrean Ana-Maria**, Spataru Ana, Ceanga Mihai, Zagrean Leon, The single vs. combinatorial effects of MK-801, CNQX, nifedipine and DL-AP-3 on primary cultures of cerebellar granule cells in an oxygen-glucose deprivation model, *Rom J Morphol Embriol*, **2014**, vol. 55, no. 1, **IF=0.659**
11. Radu I. Braga, Anca Panaitescu, Silvia Bădescu, Leon Zăgorean, **Ana-Maria Zagrean**. Intranasal administration of oxytocin alters sleep architecture, *Biological Rhythm Research*, **2013**; 45:1, 69-75, DOI: 10.1080/09291016.2013.797641, **IF=0.919**
12. Ceanga M, Spataru A, **Zagrean AM**. Oxytocin is neuroprotective against oxygen-glucose deprivation and reoxygenation in immature hippocampal cultures. *Neurosci Lett.* **2010** Jun 14;477(1):15-8. doi: 10.1016/j.neulet.2010.04.024, **IF = 2.055**.
13. Kobylinska L, Panaitescu AM, Gabreanu GR, Mihailescu I, Anghel C, Rad F, Nedelcu CM, Mocanu I, Constantin C, Geicu I, Badescu S, Dobrescu I, Neagu M, Zagrean L, **Zagrean AM**. Plasmatic levels of neuropeptides, including oxytocin, in children with autism spectrum disorder and their correlation with the disorder severity. *Acta Endo (Buc)* **2018**. 15 (*in press*). **IF=0.41**

**Articole publicate în reviste ISI cu factor de impact, ca autor secundar – 8 articole după 2003:**

1. Chemicogenetic recruitment of specific interneurons suppresses seizure activity. A Calin, M Stancu, **AM Zăgrea**, J Jefferys, AS Ilie, C Akerman. *Front. Cell. Neurosci.*, September **2018**, <https://doi.org/10.3389/fncel.2018.00293>, **IF = 4.3. Articol premiat de UEFISCDI pentru publicarea în reviste aflate în zona roșie (Q1).**
2. Balseanu AT, Buga AM, Catalin B, Wagner DC, Boltze J, **Zăgrea AM**, Reymann K, Schaebitz W, Popa-Wagner A. Multimodal Approaches for Regenerative Stroke Therapies: Combination of Granulocyte Colony-Stimulating Factor with Bone Marrow Mesenchymal Stem Cells is Not Superior to G-CSF Alone. *Front Aging Neurosci.* **2014** Jun 23; 6:130. doi: 10.3389/fnagi.2014.00130, **IF = 4. Articol premiat de UEFISCDI pentru publicarea în reviste aflate în zona roșie (Q1).**
3. Zamfir AD, Flangea C, Serb A, **Zăgrea AM**, Rizzi AM, Sisu E. Separation and identification of glycoforms by capillary electrophoresis with electrospray ionization mass spectrometric detection. *Methods Mol Biol. (Methods and Protocols)*, **2013**; 951:145-69. doi: 10.1007/978-1-62703-146-2\_11, **IF=1**
4. Constantinescu AO, Ilie A, Ciocan D, **Zăgrea AM**, Zăgrea L, Moldovan M. Endogenous adenosine A1 receptor activation underlies the transient post-ischemic rhythmic delta EEG activity. *Clin Neurophysiol.* **2011** Jun;122(6):1117-26. doi: 10.1016/j.clinph.2010.09.015. Epub 2010 Oct 13, **IF=3.4**
5. Ilie A, Ciocan D, Constantinescu A.O, **Zăgrea AM**, Nita DA, Zăgrea L, Moldovan M. Endogenous activation of adenosine A1 receptors promotes post-ischemic burst suppression electrocortical patterns. *Neuroscience*, Jan. **2009**;159(3):1070-1078, **IF = 3.29.**
6. Ilie A, Ciocan D, **Zăgrea AM**, Nita DA, Zăgrea L, Moldovan M. Endogenous activation of adenosine A(1) receptors accelerates ischemic suppression of spontaneous electrocortical activity. *J Neurophysiol.* **2006** Nov; 96(5):2809-14. Epub 2006 Aug 2, **IF=3.64.**
7. Ilie A, Spulber S, Avramescu S, Nita DA, **Zăgrea AM**, Zăgrea L, Moldovan M. Delayed ischemic electrocortical suppression during rapid repeated cerebral ischemia and kainate-induced seizures in rat. *Eur J Neurosci.* **2006** Apr; 3(8):2135-44, **IF = 4**
8. Moldovan M, **Zăgrea AM**, Avramescu S, Savaran V, Zăgrea L. Electro-cortical signs of early neuronal damage following transient global cerebral ischemia in rat. *J Cell Mol Med.* **2004** Jan-Mar;8(1):135-40, **IF=1,10**

**Articole publicate în reviste ISI fara factor de impact sau reviste BDI – 15 articole după 2003:**

1. Bogdan Pavel, Camelia Alexandra Acatrinei, Maria Corbu, Carmen Mihaela Denise Zahiu, Adrian Eugen Rosca, Leon Zagrean, **Ana-Maria Zagrean**. ECoG changes during xenon-isoflurane anaesthesia ECoG spectrum changes at different xenon-isoflurane anaesthesia depths. *Romanian Journal of Anaesthesia and Intensive Care*. **2017** Vol 24 No 1, 41-46. doi: 10.21454/rjaic.7518.241.pav
2. Voiculescu SE, Rosca A, Zahiu CMD, Badiu C, **Zagrean AM**. Melatonin and monoaminergic system – behavioural aspects. *Romanian Journal of Neurology* – Vol XV, No. 1, **2016**
3. Bădescu SV, Tătaru CP, Kobylinska L, Georgescu EL, Zahiu DM, **Zăgorean AM**, Zăgorean L. Effects of caffeine on locomotor activity in streptozotocin-induced diabetic rats. *J Med Life*. **2016** Jul-Sep;9(3):275-279.
4. Bădescu SV, Tătaru C, Kobylinska L, Georgescu EL, Zahiu DM, **Zăgorean AM**, Zăgorean L. The association between Diabetes mellitus and Depression. *J Med Life*. **2016** Apr-Jun;9(2):120-5. Review.
5. Kobylinska, Liana; Geagulea, Gabriel; **Zagrean, Ana-Maria**; Zagrean, Leon. Behavioural effects of chronic inhalator oxytocin administration in mice. *Romanian Journal of Child & Adolescent Psychiatry*. Jan-Jul **2016**, Vol. 4 Issue 1/2, p41-55.
6. Kobylinska L, Geagulea G, Berbecar V, Stancu M, Stefan AM, **Zagrean AM**, Zagrean L. Inhalation versus intraperitoneal oxytocin administration in Swiss-Albino Mice. *Discover. Rep*. **2016**; 2: e5. DOI: 10.15190/drep.2016.1
7. Voiculescu SE, Rosca AE, Zeca V, Zagrean L, **Zagrean AM**. Impact of maternal melatonin suppression on forced swim and tail suspension behavioral despair tests in adult offspring. *J Med Life*. **2015** Apr-Jun;8(2):202-6.
8. Adrian Roșca, Suzana Elena Voiculescu, Bogdan Ovidiu Popescu, **Ana-Maria Zăgorean**. Taurine and vascular tone modulation. *J. Transl. Med. Res* **2015**; 20(4):201-205
9. Bogdan Pavel, Camelia Alexandra Acatrinei, Fabien Menardy, Carmen Mihaela Denise Zahiu, Daniela Popa, **Ana-Maria Zagrean**, Leon Zagrean. Changes of cortical connectivity during deep anaesthesia. *Romanian Journal of Anaesthesia and Intensive Care* **2015** Vol 22 No 2, 83-88
10. Anca Maria Panaitescu, Suzana Elena Voiculescu, Nikolaos Zygiopoulos, Gheorghe Peltecu, Leon Zagrean, **Ana-Maria Zagrean**. Short and long-term evaluation of biochemical and behavioral consequences in rat after exposure to an experimental model of perinatal asphyxia. *Obstetrica si Ginecologie* 2, **2015**.

11. Panitescu, A.-M, Pavel, B, Iancu, G, Peltecu G, Zăgrean L, **Zăgrean A-M**. Oxytocin, more than a uterotonic. *Obstetrica si Ginecologie* 62 (1), pp.1, **2014**
12. Panaitescu A, Zagrean L, **Zagrean AM**, Demetrian M, Peltecu G. Neonatal encephalopathy: A new paradigm. *Obstetrica si Ginecologie* 62(2):77-82, June **2014**
13. Voiculescu SE, Zygouropoulos N, Zahiu CD, **Zagrean AM**. Role of melatonin in embryo fetal development. *J Med Life*. **2014** Oct-Dec;7(4):488-92. Review.
14. Pavel B, Daneasa A, Rosca AE, Calin A, Zahiu D, Panaitescu A, **Zagrean AM**, Zagrean L. Fronto-parietal connectivity changes following noxious stimulation during anesthesia. *J Med Life*. **2014** Sep 15;7(3):387-90.
15. Moldovan M, Spulber S, Saravan V, Iosifescu R, **Zagrean A-M**, Zagrean L, Relationship between respiratory sinus arrhythmia and heart rate during anesthesia in rat, *Rom. J. Physiol.* **2004**, vol. 41: 21-30.

**ABSTRACTE PUBLICATE ÎN REVISTE / VOLUMELE UNOR CONFERINȚE INTERNAȚIONALE / NAȚIONALE CU PARTICIPARE INTERNAȚIONALĂ / NAȚIONALE, DUPĂ 2003:**

**Abstracte publicate in reviste ISI cu impact factor:**

1. Ana-Maria Zagrean, Anca Maria Panaitescu, Sebastian Isac, Bogdan Pavel, Andrei Ilie, Mihai Ceanga, Alexandra Totan, Gheorghe Peltecu, Leon Zagrean. Oxytocin reduces seizure burden and hippocampal injury in a rat model of perinatal asphyxia. Proceedings of the 6th National Congress of Neuroendocrinology. Bucharest. *Acta Endocrinologica (Buc)*. Vol XIV Supplement 2, Octombrie 2018. *Acta Endocrinologica (Buc)*, **2018**, Supplement, **IF=0.41**
2. Cosmin Șerban, Andrei Barborică, Adina Roceanu, Ioana Mîndruță, Jean Ciurea, **Ana-Maria Zăgrean**, Leon Zăgrean, Mihai Moldovan. Novel measures for EEG monitoring in coma (S57). Proceedings of the 16th European Congress of Clinical Neurophysiology, Budapest, Hungary, 30 August–2 September 2017. *Clinical Neurophysiology*, **2017**. Volume 128, Issue 9, e197. <https://doi.org/10.1016/j.clinph.2017.07.068>, **IF=3.61**
3. Baca, G., Caruntu C., and **Zagrean AM**. Acute stress augments cutaneous neurogenic inflammatory response. *European Journal of Medical Research*. Vol. 14., p. 20-21, Biomed Central LTD, **2009**, **IF=1.74**.
4. M Ceanga, A Spataru, E Vasilciu, **AM Zagrean**. Oxytocin protects immature cultured hippocampal neurons against oxygen-glucose deprivation. *European Journal of Medical Research*, Vol. 14, p. 63, Supplement 2, Meeting abstract 1027, Biomed Central LTD, **2009**, **IF=1.74**

5. **Zăgrea AM**, Ceanga M, Mihai G, Le Duc D, Spataru A, Toescu EC, Dynamics of cerebellar granule neurons' response to oxygen and/or glucose deprivation in primary cultures, Joint Meeting, Slovak Physiological Society, The Physiological Society (UK) and Federation of European Physiological Societies (FEPS), Bratislava, September 2007. *Acta Physiologica* **2007**; Volume 191, Supplement 658 :OW02-6 **IF=1.6**
6. Sandulache, M., S. Dinescu, S. Avramescu, S. Ioan, **A.M. Zăgrea**, and M. Moldovan. "Priming and facilitation in a Stroop task." In *International Journal of Psychophysiology*, vol. 54, no. 1-2, pp. 158-158. Elsevier Science BV, **2004**, **IF=1.56**

**Abstracte publicate în reviste B+ (BDI)/volume de rezumate ale unor conferințe cu ISSN/ ISBN:**

1. Arsene C, Cucu N, Isac S, Panaitescu AM, **Zăgrea AM**. The epigenetic transgenerational effect of maternal diet on offspring brain development in an animal model of perinatal asphyxia. *Journal of Genetic Disorders & Genetic Reports*. ISSN: 2327-5790. *Epigenetics* **2018**, Tokio. Volume: 7. DOI: 10.4172/2327-5790-C2-004
2. **Zăgrea, A.M.**, Ceanga, M., Grigoras, I.F., Iesanu, M.I., Chitimus, D.M., Ianosi, B., Ionescu, R.B., Haret, R.M., Panaitescu, A.M., Ilie, A., Zăgrea, L., Impact of intracellular chloride on neuronal viability in in-vitro and in-vivo ischemia/ asphyxia and reoxygenation models in rat, oral presentation, *Romanian Journal of Neurology*, p.25, Vol. XVII, Suppl.2, 1st International Conference on Neuroscience, Neuroinformatics, Neurotechnology and Neuro-Psychopharmacology, 15-17 November **2018**, Bucharest, Romania, ISSN 1843-8148.
3. **Ana-Maria Zăgrea**, Anca Maria Panaitescu, Sebastian Isac, Bogdan Pavel, Alexandru Paslaru, Alexandra Totan, Natalia Cucu, Mihai Moldovan, Leon Zăgrea. Neuroprotective strategies in experimental perinatal asphyxia. The 9th Conference of the National Neuroscience Society of Romania (SNN), Bucharest, 18-20 October 2018, *Fiziologia-Physiology*. **2018**. Supplement 1. ISSN 1223-2076.
4. Natalia Cucu, Sebastian Isac, Anca Panaitescu, **Ana-Maria Zăgrea**. Epigenetics in neuronal development. The 9th Conference of the National Neuroscience Society of Romania (SNN), Bucharest, 18-20 October 2018, *Fiziologia-Physiology*. **2018**. Supplement 1. ISSN 1223-2076.
5. Bogdan Pavel, Diana Rotaru, Daniela Popa, **Zăgrea AM**, Zăgrea L. Reactivity of claustrum to repeated electrical stimulation. The 9th Conference of the National Neuroscience Society of Romania (SNN), Bucharest, 18-20 October 2018, *Fiziologia-Physiology*. **2018**. Supplement 1. ISSN 1223-2076.
6. Chitimus, D.M., Iesanu, M.I., Grigoras, I.F., Ianosi, B., Ceanga, M., **Zăgrea, A.M.**, The effect of oxytocin treatment on the viability of mature hippocampal cell cultures subjected to oxygen and glucose deprivation is dependent on the injury severity, poster presentation, *Fiziologia-Physiology*. The 9th Conference of the National Neuroscience Society of Romania (SNN), Bucharest, 18-20 October **2018**, ISSN 1223-2076.

7. Iesanu, M.I., Isac, S., Panaitescu, A.M., Klimko, A., Totan, A., Cucu, N., Zăgorean, L., **Zăgorean, A.M.**, Citicoline supplemented maternal diet protects the offspring hippocampus in perinatal asphyxia in rat, poster presentation, *Physiology*, the 9th Conference of the National Neuroscience Society of Romania (SNN), Bucharest, 18-20 October **2018**, *Fiziologia-Physiology*. ISSN 1223-2076.
8. Ionescu, R.B., Iesanu, M.I., Chitimus, D.M., Haret, R.M., Mihai, T., Grigoras, I.F., Ianosi, B., Ceanga, M., **Zăgorean, A.M.**, Chloride co-transporters modulate cellular viability in rat mature hippocampal cultures exposed to oxygen-glucose deprivation and reoxygenation, poster presentation, *Physiology*, the 9th Conference of the National Neuroscience Society of Romania (SNN), Bucharest, 18-20 October **2018**, *Fiziologia-Physiology*. ISSN 1223-2076.
9. Mihai, T., Haret, R.M., Grigoras, I.F., Iesanu, M.I., Ionescu, R.B., Chitimus, D.M., Ianosi, B., Ceanga, M., **Zăgorean, A.M.**, The effect of modulating GABAA channels on cellular viability in primary rat hippocampal cell cultures exposed to in vitro oxygen-glucose-deprivation, *Physiology*, 9th Conference of the National Neuroscience Society of Romania (SNN), Bucharest, 18-20 October **2018**, *Fiziologia-Physiology*. ISSN 1223-2076.
10. Ioana Antoaneta Georgescu, Elena Laura Georgescu, Alexandru Răzvan Ștepoaie, Alexandru Țirlea, Adrian Pana, Monica Nichita, Denise CM Zahiu, **Ana-Maria Zăgorean**, Daniela Popa. Motor-somatosensory and motor-parietal cortices coherence alterations in an animal model of dystonia caused by cerebellar dysfunction. 9th Conference of the National Neuroscience Society of Romania (SNN), Bucharest, 18-20 October **2018**, *Fiziologia-Physiology*. ISSN 1223-2076.
11. Monica Adriana Nichita; Elena Laura Georgescu; Ioana Antoaneta Georgescu; Alexandru Razvan Steopoaie; Alexandru Tirlea; Adrian Pana; Denise CM Zahiu; Vlad Morozan; **Ana-Maria Zăgorean**; Daniela Popa. Motor, somatosensory and parietal cortices ecog power spectral density evolution during dystonia. 9th Conference of the National Neuroscience Society of Romania (SNN), Bucharest, 18-20 October **2018**, *Fiziologia-Physiology*. ISSN 1223-2076.
12. Alexandru Tirlea; Elena Laura Georgescu; Ioana Antoaneta Georgescu; Denise C.M. Zahiu; Alexandru Steopoaie; Adrian Pana; Adriana Monica Nichita; **Ana-Maria Zăgorean**; Daniela Popa. Electromyography spectral power during cerebellar kainic acid-induced dystonia in mice. 9th Conference of the National Neuroscience Society of Romania (SNN), Bucharest, 18-20 October **2018**, *Fiziologia-Physiology*. ISSN 1223-2076.
13. Mitran Raluca-Elena; Mihai Stancu; Alexandru Calin; Andrei Ilie; John Jefferys; **Ana-Maria Zăgorean**; Colin Akerman. Chemogenetic modulation of seizure activity in freely behaving mice. 9th Conference of the National Neuroscience Society of Romania (SNN), Bucharest, 18-20 October **2018**, *Fiziologia-Physiology*. ISSN 1223-2076.
14. Patricia-Demetria Popovici; Vlad-Petru Morozan; Maria-Miruna Costreie; Miruna Rascu; Mihai Stancu; Alexandru Calin; Andrei Ilie; John Jefferys; **Ana-Maria Zăgorean**; Colin



- Akerman. Electrographic recordings in an in vivo model of acute seizures in mice. 9th Conference of the National Neuroscience Society of Romania (SNN), Bucharest, 18-20 October **2018**, *Fiziologia-Physiology*. ISSN 1223-2076.
15. Miruna Rascu; Maria-Miruna Costreie; Patricia-Demetria Popovici; Vlad-Petru Morozan; Mihai Stancu; Alexandru Calin; Andrei Ilie; John Jefferys; **Ana-Maria Zăgorean**; Colin Akerman. A controlled progression towards acutely-triggered generalised seizures in freely-behaving mice. 9th Conference of the National Neuroscience Society of Romania (SNN), Bucharest, 18-20 October **2018**, *Fiziologia-Physiology*. ISSN 1223-2076.
  16. Laurentiu Tofan; Alexandru-Catalin Paslaru; Mihai Stancu; Bogdan Pavel; Denise Mihaela Zahiu; Alexandru Calin; Ana-Maria Zăgorean; Leon Zăgorean; Mihai Moldovan. Assessing the post-ischemic rat brain by anesthetic burst-suppression EEG reactivity to photic stimulation. 9th Conference of the National Neuroscience Society of Romania (SNN), Bucharest, 18-20 October **2018**, *Fiziologia-Physiology*. ISSN 1223-2076.
  17. Paslaru Alexandru Catalin , Fazeli Negar, Stancu Mihai, Pavel Bogdan, Zahiu Carmen Denise, **Zăgorean Ana Maria**, Zăgorean Leon, Moldovan Mihai. Treatment assessment in a genetic absence epilepsy model by burst-suppression EEG Reactivity. *Fiziologia-Physiology*. the 9th Conference of the National Neuroscience Society of Romania (SNN), Bucharest, 18-20 October **2018**, *Fiziologia-Physiology*. ISSN 1223-2076.
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Conf. univ. Ana-Maria Zăgrean

