

INFORMAȚII PERSONALE



Zăgrean Ana-Maria

 B-dul Eroii Sanitari nr. 8, 050474 București, România

 ana-maria.zagrean@umfcd.ro

POZIȚIA ACTUALĂ

Profesor universitar, Facultatea de Medicină, Universitatea de Medicină și Farmacie "Carol Davila", București

EXPERIENȚA PROFESIONALĂ

- din 2020

Profesor universitar

Disciplina Fiziologie II Neuroștiințe, Departamentul de Științe Funcționale, Facultatea de Medicină, Universitatea de Medicină și Farmacie "Carol Davila", București

Activități de predare - Fiziologie și Neuroștiințe (cursuri și lucrări practice, predare în limba română și engleză), coordonare activitate didactică și de cercetare pentru studenții și doctoranzi

- 2013-2020

Conferențiar universitar

Disciplina Fiziologie II Neuroștiințe, Departamentul de Științe Funcționale, Facultatea de Medicină, Universitatea de Medicină și Farmacie "Carol Davila", București

Activități de predare - Fiziologie și Neuroștiințe (cursuri și lucrări practice, predare în limba română și engleză), coordonare activitate didactică și tutore pentru studenții Modulului de Limba Engleză.

Coordonare activitate de cercetare pentru studenții Facultății de Medicină, anii I - VI, inclusiv pentru realizarea lucrărilor de licență

- 2003-2013

Șef de lucrări

Disciplina de Fiziologie II, Facultatea de Medicină, Universitatea de Medicină și Farmacie "Carol Davila", București

Activități de predare - Fiziologie și Neuroștiințe (cursuri și lucrări practice, predare în limba română și engleză), coordonare activitate didactică Modul Limba Engleză.

Coordonare activitate de cercetare pentru studenții Facultății de Medicină, anii I - VI, inclusiv pentru realizarea lucrărilor de licență

- 2000-2003

Asistent universitar

Catedra de Fiziologie, Facultatea de Medicină, Universitatea de Medicină și Farmacie "Carol Davila", București

Activitate de predare – Fiziologie (lucrări practice, cursuri)

- 1996-2000

Doctorand cu frecvență, preparator

Catedra de Fiziologie, Facultatea de Medicină, Universitatea de Medicină și Farmacie "Carol Davila", București

Activități de cercetare și predare - Fiziologie

EDUCAȚIE ȘI FORMARE

Studii / diplome obținute

- 2019, Abilitare (Vulnerabilitatea metabolica a creierului – de la modele experimentale la strategii de neuroprotecție), Univ. de Medicină și Farmacie "Carol Davila", București

- 2003, Doctor în Științe Medicale ("Precondiționarea ischemică cerebrală", coordinator Prof. Dr. Alexandru Șerbănescu), Universitatea de Medicină și Farmacie "Carol Davila", București
- 1995, Doctor medic (MD), Facultatea de Medicină, Universitatea de Medicină și Farmacie "Carol Davila", București
- 1987, Diploma de bacalaureat, Liceul de Matematica-Fizică nr. 3 "Al. I. Cuza", București

Alte studii/calificări

- februarie 2013 Stagiul de cercetare, Ischemia Research Unit, Department of Cell Therapy, Fraunhofer Institute for Cell Therapy and Immunology, Leipzig, Germany
- 2001-prezent Secretar general, Societatea Națională de Neuroștiințe (SNN)
- oct. 2006-dec.2008 Honorary Research Fellow, Medical School, Birmingham University, UK
- 2004-2007 Junior Fellowship al Societății Britanice de Fiziologie
- mai 2005 Participarea la Workshopul LSH-ACC-Mentor, a 4-day mentoring workshop on issues relating to participation in FP6 EU-funded RTD projects, Sofia, Bulgaria.
- octombrie 2001 Advanced Workshop in Neuroscience for Young Physiologists, Praga, Cehia
- iulie 2001 Școala de vară IBRO/FENS "Receptor activation and beyond", Sulejów, Poland,
- februarie 2001 Cursul postuniversitar "Apoptosis: Theory and Methods", Institute of Environmental Medicine, Karolinska Institutet, Stockholm, Sweden
- oct. 2000– martie 2001 Bursă doctorală de cercetare la Karolinska Institute, Dept. of Clinical Neuroscience, Occupational Therapy & Elderly Care Research, Div. of Geriatric Medicine, NEUROTEC, Novum, Sweden
- 1998-2000 Cursuri de Neuroștiințe, Facultatea de Medicină, Universitatea de Medicină și Farmacie "Carol Davila"
- mai 2000 Cursul de pedagogie "Teaching the teacher", în cadrul proiectului TEMPUS Phare, Universitatea de Medicină și Farmacie "Carol Davila", București,
- august 1997 Școala de vară internațională: "Membrane Transport Processes and Signal Transduction", FEBS'97 Advanced Course, Bucharest, Romania

COMPETENTE PERSONALE

Domenii de cercetare și interes științific

Răspunsul creierului la hipoxie / ischemie și reperfuzie și la stări modificate ale excitabilității, în creierul imatur și matur, în modele experimentale *in vivo* (ischemie cerebrală globală, asfixie perinatală, epilepsie experimentală) și *in vitro* (deprivare de oxigen și glucoză). Studiul epigenetic, biochimic, electrofiziologic și comportamental al răspunsului creierului la diferiți factori de stres metabolic și de mediu, care vizează recuperarea creierului și strategiile de neuroprotecție (<https://umfcd.ro/cercetare-si-dezvoltare/proiecte/proiecte-nationale/pn-iii-p1-1-2-pd-2019-1219-impactul-anesteziei-generale-asupra-creierului-imatur-expus-antior-asfixiei-perinatale/>). Efectele genetice, biochimice și comportamentale la făt, consecutiv modificărilor de ritm circadian matern. Studii de electrofiziologie în coma indusă anestezic, prin participarea la grupul multi-disciplinar COMAEEG (www.comaeeeg.ro). Rolul cerebelului în controlul activității corticale oscilatorii, în condiții normale și patologice (www.fiziologie.ro/cerosco/).

Competențe activitate de cercetare și aptitudini tehnice:

Inregistrarea parametrilor fiziologici în condiții clinice și experimentale
 Metode de obținere și investigare a culturilor celulare
 Metode de evaluare a metabolismului celular, a viabilității/mortii celulare
 Modele de ischemie/asfixie cerebrală experimentală *in vivo* și *in vitro*
 Metode de epilepsie experimentală
 Neurofiziologie
 Imunohistochimie
 Metode de evaluare a comportamentului la animale de laborator
 Metode de genetică și epigenetică

Limba(i) maternă(e)

Română

Alte limbi străine cunoscute

	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Engleza	C2	C2	C2	C2	C2
Franceza	B2	B2	B2	B1	B1

Niveluri: A1/A2: Utilizator elementar - B1/B2: Utilizator independent - C1/C2: Utilizator experimentat
Cadru european comun de referință pentru limbi străine

Competențe de comunicare

- Competențe de comunicare foarte bune dobândite prin experiența didactică (24 de ani) și de participarea activă la manifestări științifice naționale și internaționale (din perioada studenției)

Competențe organizaționale/manageriale

Coordonare activitate didactică și de cercetare pentru studenți, coordonare lucrări de licență, participare la îndrumarea doctoranzilor.

Coordonator Modul limba engleză anul II, pentru Fiziologie și Neuroștiințe, Facultatea de Medicină

Înființarea și coordonarea Laboratorului de Culturi Celulare Neuronale din Disciplina de Fiziologie și Neuroștiințe (din 2003)

Organizator manifestări științifice naționale și internaționale, ca secretar al Societății Naționale de Neuroștiințe (SNN), din 2003

Activitate de evaluare, națională și internațională:

- Referent pentru jurnale ISI: PlosOne; Cellular and Molecular Neurobiology; Molecular Human Reproduction (Oxford Journals); Neonatology; Frontiers in Neurosciences; Neuroscience Letters, Oxidative Medicine and Cellular Longevity, Acta Endocrinologica (Buc.), Romanian Journal of Laboratory Medicine, etc.

- Membru al comitetului *International Brain Research Organization Pan-Europe Regional Committee* (IBRO-PERC), din 2017

- Membru al *Committee for Higher Education and Training* (CHET-FENS), din 2020

- Membru în comisii de concurs de promovare și de doctorat - UMF Carol Davila București, UMF Craiova, Universitatea București, din 2016 până în prezent

- Membru al comisiei etice pentru cercetare științifică, Sp. Filantropia, București, 2014-2017

- Membru în comitetul de consilieri pentru activitatea de doctorat (thesis advisory committee – TAC), Institutul de Neuroștiințe, München, Germania (2012)

- Evaluator în cadrul Registrului Național al Expertilor în Învățământul Superior și Cercetare, din 2005.

- Expert evaluator în domeniul Neuroștiințelor pentru European Science Foundation, 2003-2004

Competență digitală

AUTOEVALUARE				
Procesarea informației	Comunicare	Creare de conținut	Securitate	Rezolvarea de probleme
Utilizator experimentat	Utilizator experimentat	Utilizator experimentat	Utilizator independent	Utilizator independent

Niveluri: Utilizator elementar - Utilizator independent - Utilizator experimentat

Permis de conducere

Utilizare PC, microsoft office, prelucrare date excel, GraphPad Prism, tehnoredactare, Photoshop – analiza de imagini
B

INFORMATII SUPLIMENTARE

Proiecte de cercetare cu finanțare națională, ca director / responsabil de proiect sau membru in echipa de cercetare:

- Proiect UEFISCDI PN-III-P2-2.1-PED-2019-3775, contract nr. 335PED/2020, cu tema „Sistem cu sondă inovativ utilizat pentru ghidarea electrofizilogică în neurochirurgia funcțională (BRAIN-GUIDE)”, 2020-2022, Responsabil proiect
- Proiect UEFISCDI PN-III-P2-2.1-PTE-2016-0114 , contract nr. 42PTE/2016 cu tema „Monitor pentru reactivitatea neurofizilogica (NERMO)”, 2016-2018, *Responsabil proiect (242770 lei; patent pending)*
- Proiect UEFISCDI de tip TE PN-II-RU-TE-2014-4-1354, contract nr. 326/2015 cu tema „Controlul cerebelului asupra sincroniei activității cortexului cerebral în condiții normale și patologice”, *membru in echipa de cercetare (549.718 lei/24 luni; Georgescu et al, 2018)*
- Proiect UEFISCDI Parteneriate PN-II-PT-PCCA-2011-3.1-0222, contract nr. 80/2012 cu tema „Terapie celulara regenerativa pentru stroke”, *Responsabil de proiect; (400.000 lei; Balseanu, 2014; Zagrean, 2014)*
- Proiect UEFISCDI Parteneriate PN-II-PT-PCCA-2011-3.2-1290, contract nr. 129/2012 cu tema „Aparat pentru monitorizarea reactivității EEG la stimuli externi in timpul comei”, *Membru (286782 lei; Patent)*
- Proiect UEFISCDI IDEI PN-II-ID-PCE-2011-3-0847, contract nr. 110/2011, cu tema “Cuantificarea reactivitatii EEG de tip “burst-suppression” la stimuli externi: un nou instrument pentru monitorizarea creierului comatos”, *Membru. (793403 lei/36 luni; Pavel, 2014; Patent)*
- Grant CNCIS A1200/2006 cu tema “Studiul mecanismelor fiziologice si comportamentale implicate in tulburările de dispozitie. Actiunea nonapeptidelor”. *Director proiect. (Braga, 2013)*
- Proiectul CEEEX nr. 31/2005, cu tema “Mecanismele moleculare, celulare si integrative ale durerii. Implicatii clinice”, 2005- 2008, *Membru.*
- Contract Viasan nr. 453/2004 cu tema „Hiperexcitabilitatea corticală post-ischemică: studiu in vivo, pe șobolan”. *Director proiect.*
- Contract Viasan 454/2004, cu tema „Studiul circuitelor serotoninergice cu origine in nucleul rafeului asupra comportamentului și somnului. Interacțiuni neurofarmacologice cu nicotina”. *Director proiect.*
- Proiect Viasan nr. 158/2001, cu tema „Mecanisme moleculare și celulare ale precondiționării ischemice cerebrale”, 2001-2003, *Director proiect.*
- Proiect CNCIS nr. 256, Apoptosis in Geriatric Disorders (Romanian Government and the World Bank), 2001-2002, membru
- Project nr. 1285/1996, Act adițional nr. 450/2000, HORIZON 2000 Program, 1999-2000, membru pentru proiectele: A10/1999, B10/2000, Computerized EEG analysis in kainic acid-induced experimental epilepsy A11/1999, B11/2000, Preconditioning mechanisms in global cerebral ischemia and reperfusion A8/1999, B8/2000, Cellular mechanisms induced by cerebral ischemia and reperfusion. Apoptosis, necrosis and neuronal survival.
- Proiect nr. 85/1994, Neuroprotective effect of calcium blockers in cerebral ischemia, 1994-1996, membru.

Patent:

1. Patent Number(s): RO132025-A0; Derwent Primary Accession Number: 2017-53027H
Technology for neurophysiological diagnostic of coma severity by quantizing default electro-encephalographic (EEG) reactivity.
Inventor(s): Barborica A, Ciurea J, Mindruta I, Moldovan M, Roceanu A M, Serban C, Zagrean A, Zagrean L.
Assignee: TERMOBIT PROD SRL (prin proiectele PN-II-ID-PCE-2011-3-0847, PN-II-PT-PCCA-2011-3.2-1290, PN-III-P2-2.1-PTE-2016-0114)
2. Electroencephalographic method and apparatus for measuring sensory stimulation salience
European Patent Office, Patent no. 1115/3646784, 2020, Inventor(s): Moldovan M, Serban C, Barborica A, Roceanu AM, Mindruta I, Zagrean A, Zagrean L, Ciurea J
Applicant: Termobit Prod SRL.

Participări la proiecte internaționale

- Coordonator pentru Romania si membru in comitetul de management in proiectul COST Action: CA18240 - ADHESion GPCR Network: Research and Implementation Set the path for future Exploration, 2019-2023
- Membru în Comitetul de avizare științifică, pentru proiectele: 1) Neuron Cofound, Contract no. 680966/2015 (2016-2020), 2) ERA-Net NEURON II, Contract no. 291840/2012 (2012-2015), 3) ERA-Net NEURON FP6 Project, Contract no. 036213/2007 (2007-2011).
- FENS grant pentru FENS History Project “Historiography of Neurosciences in Eastern Europe, Romania, 1870-1970” (2012-2013)

Afilieri

- 2006, membru al European Dana Alliance for the Brain (EDAB)
- 2005, membru al Centrului de Excelență în Neuroștiințe, Universitatea de Medicină și Farmacie „Carol Davila”, București
- 2003-2004, membru cu drept de vot in Consiliul Director al Organizatiei Internationale de Cercetare a Creierului (IBRO Government Council);
- 2003, membru afiliat al Physiological Society (UK).
- 2001, membru fondator și secretar general al Societății Naționale de Neuroștiințe (SNN);

- 2001, membru al Organizației Internaționale de Cercetare a Creierului (IBRO);
- 2001, membru al Federației Europene a Societăților de Neuroștiințe (FENS);
- 2001-2007, membru al Federației Americane a Societăților de Biologie Experimentală
- 2001-2007, membru al Societății Americane de Fiziologie (APS);
- 1996, membru al Societății Române de Fiziologie (SRF); secretar științific (din Oct. 2020)
- 1996, membru al Federației Europene a Societăților de Fiziologie (FEPS);
- 1996, membru al Uniunii Internaționale a Științelor Fiziologice (IUPS);

Premii Premii naționale:

1. PN-III-P1-1.1-PRECISI-2019-31170 – award for publishing in Frontiers in Neuroscience in 2018 (yellow area/Q2 – between 25-50% in Neuroscience)
2. PN-III-P1-1.1-PRECISI-2018-28708 - award for publishing in Neonatology in 2018 (red area/Q1 - first 25% in Pediatrics)
3. PN-III-P1-1.1-PRECISI-2018-28744 award for publishing in Frontiers in Cellular Neuroscience in 2018 (red area/Q1 - first 25% in Neuroscience)
4. PN-III-P1-1.1-PRECISI-2018-28779 award for publishing in Frontiers in Cellular Neuroscience in 2018 (red area/Q1 - first 25% in Neuroscience)
5. PN-II-RU-PRECISI-2015-9-10337 award for publishing in Frontiers in Aging Neuroscience in 2015 (red area/Q1 - first 25% in Neuroscience)
6. PN-II-RU-PRECISI-2015-9-10334 - award for publishing in Brain Research in 2015 (yellow area, Q2 - between 25-50% in Neuroscience)
7. Premiul II pentru prezentarea orală "Motor-somatosensory and motor-parietal cortices coherence alterations in an animal model of dystonia", oral blitz presentation, Ioana Antoaneta Georgescu, Elena Laura Georgescu, Alexandru Răzvan Ștepoaie, Alexandru Țirlea, Adrian Pana, Monica Nichita, Denise CM Zahiu, Ana-Maria Zăgrean, Daniela Popa. 9th Conference of the National Neuroscience Society of Romania (SNN), Bucharest, 18-20 October 2018.
8. Premiul pentru prezentarea orală: Chloride transportation modulation impacts on neuronal viability in mature hippocampal cultures exposed to oxygen-glucose deprivation and reoxygenation, Chitimus, D.M., Grigoras, I.F., Ilesanu, M.I., Ionescu, R.B., Haret, R.M., Mihai, T., Ianos, B., Ceanga, M., Zăgrean, L., Zăgrean, A.M., 30th National Conference of Physiology – Integrative Physiology, from Fundamental Mechanisms to Biomedical Applications, 27-29 September 2018, Cluj-Napoca, Romania
9. Premiul I pentru prezentarea orală: "Modulating intracellular chloride concentration impacts on the viability of rat primary hippocampal cell cultures exposed to oxygen-glucose deprivation, oral presentation", Ilesanu, I.M., Grigoras, I.F., Chitimus, D.M., Haret, R., Ionescu, B., Ianos, B., Ceanga, M., Zăgrean, L., Zăgrean, A.M., The 29th National Conference of the Romanian Society of Physiological Sciences with international attendance, May 25-27, 2017, Timisoara, Romania
10. Diploma de Excelență pentru prezentarea orală "Intracellular chloride concentration affects the cellular viability of rat primary hippocampal cell culture exposed to oxygen-glucose deprivation". Mara Ioana Ilesanu, Ioana-Florentina Grigoras, Robert Haret, Diana Maria Chitimus, Bristena Ionescu, Bogdan Ianos, Mihai Ceanga, Ana-Maria Zăgrean. Carol Davila University and Pharmacy National Congress, May 29-31, 2017, Bucharest, Romania,
11. Premiul I pentru prezentarea orală "The neuroprotective effect of trans-resveratrol enriched maternal diet in immature hippocampus exposed to perinatal asphyxia", Ilesanu, M.I., Isac, S., Panaitescu, A.M., Spataru, A., Totan, A., Udriste, A., Cucu, N., Peltecu, G., Zăgrean, L., Zăgrean, A.M. at the 8th Conference of the National Neuroscience Society of Romania, 19-21 October, 2017, Craiova, Romania.
12. Premiu pentru prezentarea orală "Circadian rhythm and melatonin involvement in fetal development", Diana Chitimus, Suzana Voiculescu, Ana-Maria Zăgrean. Conference of the National Neuroscience Society of Romania SNN2017, 19-21 October 2017, Craiova, Romania,
13. Premiul II pentru prezentarea orală "Burst-suppression EEG reactivity as a tool for assessment of antiepileptic drugs treatment in a rat model of epilepsy", Paslaru AC, Stancu M, Pavel B, Zahiu CDM, Fazeli N, Zăgrean AM, Zăgrean L and Moldovan M, Seminar of the European College of Neuropsychopharmacology (ECNP) 2017, Tâncăbești, România, 3-5 November 2017
14. Premiul I, "Young Investigator" Competition, "Carol Davila" University of Medicine and Pharmacy Congress, 2016, Bucharest, Romania for the oral presentation: Oxytocin effects on mature hippocampal cultures during oxygen-glucose deprivation and reoxygenation, Chitimus, D.M., Grigoras, I.F., Ilesanu, M.I., Ianos, B., Zăgrean, L., Zăgrean, A.M.
15. Premiul I pentru prezentarea "Prolonged attenuation of circadian sleep rhythms after a brief global cerebral ischemia in rat", Paslaru A, Stancu M, Zahiu D, Stoian A, Pavel B, Catalin A, Zăgrean AM, Zăgrean L and Moldovan M., 6th Conference of the National Neuroscience Society of Romania „Neuroplasticity in health and disease”, Bucharest, October 29-31, 2015.
16. Premiul al 2-lea pentru prezentarea "An experimental model to evaluate the whole-brain neurovascular coupling during spontaneous cerebral activity". Zahiu D, Calin A, Acatrinei C, Paslaru AC, Voinescu M, Stancu M, Stoian A, Mirica S, Gonzales A, Zăgrean AM, Zăgrean L and Moldovan M. 4th Conference of the National Neuroscience Society of Romania, 17-19 October 2013, Bucharest, Romania.

17. Premiul *Gheorghe Marinescu* al Societății Naționale de Neuroștiințe pentru contribuțiile deosebite la dezvoltarea Neuroștiințelor în România, Octombrie 2012.
18. Premiul al 3-lea pentru prezentarea "Electrophysiologic recordings in dorsal raphe nuclei – pilot study. Perspectives in stress assessment". Denise Andrei Zahiu, Radu Braga, Ana-Maria Zagrean, Leon Zagrean. Al 2-lea Simpozion SNN, Iasi, 13-14 May 2005
19. Premiul Editurii Universitare "Carol Davila" București, 2003, în Domeniul Științe Biomedicale, pentru cartea "Neuroștiințe. Principii Fundamentale", Leon Zăgrean, Mihai Moldovan, Ana-Maria Zagrean, Dragos A. Nita, Daniela Popa, Radu Braga. Editura Universitară "Carol Davila" București, Cod ISBN 973-8047-67-6.
20. Premiul Colegiului Medicilor din România pentru cea mai bună carte publicată în domeniul specialităților preclinice în anul 2002 pentru "Neuroștiințe. Principii Fundamentale", Leon Zăgrean, Mihai Moldovan, Ana-Maria Zagrean, Dragos A. Nita, Daniela Popa, Radu Braga. Editura Universitară "Carol Davila" București, Cod ISBN 973-8047-67-6 (AM Zagrean, autor unic pentru capitolele 7 și 8).
21. Premiul al 2-lea "2000 Grand Prix Beaufour Ipsen Romania" pentru cel mai original studiu de neurologie (Ischemic electrocortical suppression - an active mechanism? Moldovan M, Munteanu AM, Nita DA, Popa DP, Spulber S, Zagrean L.)

Premii internaționale

1. Physiological Society Travel grant to attend Physiology2016, July 2016, Dublin, Ireland
2. Junior Fellowship Award DDDR/RCRQ11189, The Physiological Society (UK), 2005
3. Young Investigators Award, 34th International Congress of Physiological Sciences, Christchurch, New Zealand, Aug. 26-31, 2001

Servicii aduse comunității pentru promovarea educației:

Organizator a numeroase activități educaționale și sociale pentru promovarea Neuroștiințelor: Săptămâna Creierului / Brain Awareness Week (BAW), Ziua Porților Deschise – Laborator Neuroștiințe, Noaptea Cercetătorului, cursuri și conferințe de Neuroștiințe, activitate de predare pro bono și colaborări cu școli gimnaziale din București

Criterii de recunoaștere a activității științifice și de cercetare

h-index = 10 (WoS Core Collection), 12 (Scopus) and 14 (Google Scholar)
Citations: 473 (WoS Core Collection), 982 (Google Scholar).

Scopus Author ID: 6506068971

<https://scholar.google.com/citations?hl=en&user=WtNZInMAAAAJ>

<http://www.researcherid.com/rid/M-5628-2015>

<http://orcid.org/0000-0002-4302-629X>

<https://www.brainmap.ro/public-profile-82827984>

Lista de lucrări

CĂRȚI ȘI CAPITOLE DE CĂRȚI:

Internaționale:

1. **Ana-Maria Zagrean**, Diana Maria Chitimus, Corin Badiu, Anca Maria Panaitescu, Gheorghe Peltecu, Leon Zagrean. Chapter 2 - The Pineal Gland and its Function in Pregnancy and Lactation. Editor(s): Christopher S. Kovacs, Cheri L. Deal. *Maternal-Fetal and Neonatal Endocrinology. Physiology, Pathophysiology, and Clinical Management*. Academic Press, Elsevier Science. **2020**, Pages 15-37, ISBN 9780128148235, <https://doi.org/10.1016/B978-0-12-814823-5.00002-7>.
2. **Ana-Maria Zagrean**, Diana Maria Chitimus, Francesca Gabriela Paslaru, Suzana Voiculescu, Corin Badiu, Gheorghe Peltecu, Anca Maria Panaitescu. Chapter 17 - Pineal gland disorders and circadian rhythm alterations in pregnancy and lactation. *Maternal-Fetal and Neonatal Endocrinology. Physiology, Pathophysiology, and Clinical Management*. Editor(s): Christopher Kovacs, Cheri Deal, Academic Press, Elsevier Science. **2020**. ISBN 9780128148235, <https://doi.org/10.1016/B978-0-12-814823-5.00002-7>.
3. Suzana Voiculescu, Diana Le Duc, Adrian Rosca, **Ana-Maria Zagrean**. Chapter 31 - The pineal gland development and its physiology in fetus and neonate. *Maternal-Fetal and Neonatal Endocrinology. Physiology, Pathophysiology, and Clinical Management*. Editor(s): Christopher Kovacs, Cheri Deal, Academic Press, Elsevier Science, 2020, ISBN 9780128148235, <https://doi.org/10.1016/B978-0-12-814823-5.00002-7>.
4. Blood-Brain Barrier and Cognitive Function. **Ana-Maria Zagrean**, Bogdan Ianosi, Cosmin Sonea, Ioan Opris, and Leon Zagrean. 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. EEG Assessment of Consciousness Rebooting from Coma. Cosmin-Andrei Serban, Andrei Barborica, Adina-Maria Roceanu, Ioana-Raluca Mîndruta, Jean Ciurea, **Ana-Maria Zăgrean**, Leon Zăgrean, and Mihai Moldovan. 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. Nervous System Physiology. A Practical Approach. Editor L. Zăgrean. Coordonator A-M. Zăgrean. Autori: **A-M. Zăgrean**, D.C.M. Zahiu, M. Ghiță, A. Vlad, S. Voiculescu, C. Goanță, B. Pavel, Editura Universitară "Carol Davila" București, 2020. ISBN: 978-606-011-129-0.
2. Cardiovascular System Physiology. A Practical Approach. Editor L. Zăgrean. Coordonator A-M. Zăgrean. **A-M. Zăgrean**, Mihaela Popescu, Bogdan Pavel, Radu Braga. Editura Universitară "Carol Davila" București, 2020. ISBN: 978-606-011-122-1.
3. Physiology of the Blood, Respiratory System, Kidney and Acid-Base Equilibrium. A Practical Approach. Editor L. Zăgrean. Coordonator A-M. Zăgrean. Autori: CDM Zahiu, M. Popescu, B. Pavel, **A-M. Zăgrean**, S. Voiculescu. Editura Universitară "Carol Davila" București, 2020. ISBN: 978-606-011-142-9.
4. Fiziologia micțiunii. **Ana-Maria Zăgrean**, Anca Maria Panaitescu, Denise Carmen Mihaela Zahiu, Leon Zăgrean, Capitolul 4 în "Incontinența urinară de efort", coordonată de Ghe. Peltecu, G. Iancu, AM Panaitescu, N. Gică, Editura Academiei Române, **2018**. ISBN – 978-973-27-2970-0
5. Fiziologie Lucrări Practice: Fiziologia sângelui. Fiziologia respirației. Fiziologia renală, Echilibrul acido-bazic. Editura Universitară "Carol Davila" București, **2012**. ISBN – 9789737086211, **Ana-Maria Zăgrean**, coautor: Capitol Fiziologia Respirației.
6. Fiziologia Respirației. Lucrări Practice. **Zăgrean A-M.**, Bubuianu A., Braga R. Editura Universitară "Carol Davila" București, **2007**. ISBN: 978-973-708-190-2. Prim autor.
7. Neuroștiințe. Principii Fundamentale, Leon Zăgrean et al., Editura Universitară "Carol Davila" București, **2002**, Cod ISBN 973-8047-67-6. **Ana-Maria Zăgrean**, autor unic al capitolului 7 – "Circulația Cerebrală" și al capitolului 8 – "Metabolismul Energetic Cerebral", pag. 209 – 284.
8. Elemente de Neurobiologie, Leon Zăgrean et al., **1996**, Editura Universitară "Carol Davila" București, ISBN 973-97350-3-7. Ana-Maria Zăgrean, co-autor al capitolului "Circulația cerebrală", pag. 233-283.

TEZĂ DE DOCTORAT:

Precondiționarea ischemică cerebrală. Universitatea de Medicină și Farmacie "Carol Davila", 2003.

ARTICOLE:

Articole publicate in reviste ISI cu factor de impact, ca autor principal (prim autor, ultimul autor/autor coordinator, autor corespondent):

1. Isac S, Panaitescu A, M, Ilesanu M, I, Zeca V, Cucu N, Zăgrean L, Peltecu G, **Zăgrean A-M**. Maternal Citicoline-Supplemented Diet Improves the Response of the Immature Hippocampus to Perinatal Asphyxia in Rats. *Neonatology* **2020**. doi: 10.1159/000512145 (Q1, IF=2.742)
2. Rosca, A.E.; Ilesanu, M.I.; Zahiu, C.D.M.; Voiculescu, S.E.; Paslaru, A.C.; **Zăgrean, A.-M.** Capsaicin and Gut Microbiota in Health and Disease. *Molecules* **2020**, 25, 5 (Q2, IF=3.267)
3. Elena L. Georgescu Margarint, Ioana A. Georgescu, Carmen Denise M. Zahiu, Stăfan-Alexandru Tirlea, Alexandru R. Șteopoaie, Leon Zăgrean, Daniela Popa and **Ana-Maria Zăgrean**. Reduced Interhemispheric Coherence in Cerebellar Kainic Acid-Induced Lateralized Dystonia. *Frontiers in Neurology*. Oct. **2020**, doi: 10.3389/fneur.2020.580540 (Q2, IF=2.889).
4. EL Georgescu Margarint, IA Georgescu, CDM Zahiu, AR Șteopoaie, D.Popa, **AM Zăgrean***, L.Zăgrean. Reduced Interhemispheric Coherence after Cerebellar Vermis Output Perturbation. *Brain Sciences* 10 (9), 621, **2020 (Q2, IF=3.3)**
5. DM Chitimus, MR Popescu, SE Voiculescu, AM Panaitescu, B Pavel, L.Zăgrean, **AM Zăgrean**. Melatonin's Impact on Antioxidative and Anti-Inflammatory Reprogramming in Homeostasis and Disease. *Biomolecules* 10 (9), 1211, **2020 (IF=4.08)**

6. MR Popescu, AM Panaitescu, B Pavel, L Zagrean, G Peltecu, **AM Zagrean**. Getting an Early Start in Understanding Perinatal Asphyxia Impact on the Cardiovascular System. *Frontiers in Pediatrics* 8, 68, **2020 (Q1, IF=2.63)**.
7. **Ana-Maria Zagrean**, Ioana Florentina Grigoras, Mara Ilesanu, Bristena-Rosana Ionescu, Diana Chitimus, Robert Haret, Bogdan Ianosi, Mihai Ceanga, Leon Zagrean. Neuronal Transmembrane Chloride Transport Has a Time-Dependent Influence on Survival of Hippocampal Cultures to Oxygen-Glucose Deprivation. *Brain Sciences*. **2019**, 9, 360 (**IF=2.78**)
8. Bogdan Pavel, Fabien Menardy, Diana Rotaru, Alexandru Catalin Paslaru, Camelia Acatrinei, Popa, Zagrean, Leon Zagrean, Daniela Popa, **Ana-Maria Zagrean**. Electrical Stimulation in the Claustrum Area Induces a Deepening of Isoflurane Anesthesia in Rat. *Brain Sciences*. **2019**; 9 (11):304 (**IF=2.78**)
9. A.E. Rosca, Camelia Sorina Stancu, Corin Badiu, Bogdan Ovidiu Popescu, Radu Mirica, Constantin Căruntu, Serban Gologan, Suzana Elena Voiculescu, **Ana-Maria Zagrean**. Lipid Profile Changes Induced by Chronic Administration of Anabolic Androgenic Steroids and Taurine in Rats. *Medicina*. **2019**; 55 (9):540 (**IF=1.4**)
10. A.M. Panaitescu, D. Rotaru, I. Ban, Ghe. Peltecu, **AM. Zagrean**. The prevalence of underweight, overweight and obesity in a Romanian population in the first trimester of pregnancy – clinical implications. *Acta Endo (Buc)* **2019**, 15(3): 323-332. doi: 10.4183/aeb.2019.323 (**IF=0.449**)
11. Spataru A, Le Duc D, Zagrean L, **Zagrean 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**
12. 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)* **2019**, **16**, **IF=0.449**
13. **Ana-Maria Zagrean**, Dirk M. Hermann, Ioan Opris, Leon Zagrean 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** (Premiere UEFISCDI - Q2)
14. Elena Laura Georgescu, Ioana Antoaneta Georgescu, Denise Zahiu, Alexandru Razvan Steopoaie, Vlad Petru Morozan, Adrian Stefan Pana, **Ana-Maria Zagrean***, 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 UEFISCDI pentru publicarea în reviste aflate în zona roșie (Q1).
15. S Isac, AM Panaitescu, M Ilesanu, IF Grigoras, A Totan, A Udriste, N Cucu, G Peltecu, L Zagrean, **AM Zagrean**. 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 UEFISCDI pentru publicarea în reviste aflate în zona roșie (Q1).
16. 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(3): 315-319 doi: 10.4183/aeb.2018.315. **IF = 0.449**
17. Sebastian Isac, Anca Maria Panaitescu, Ana Spataru, Mara Ilesanu, Alexandra Totan, Amalia Udriste, Natalia Cucu, Gheorghe Peltecu, Leon Zagrean, **Ana-Maria Zagrean**. Trans-resveratrol 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**
18. Voiculescu SE, Le Duc D, Roșca AE, Zeca V, Chițimșu DM, Arsene AL, Drăgoi CM, Nicolae AC, Zăgrean 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**
19. 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**
20. 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 UEFISCDI pentru publicarea în reviste aflate în zona galbenă (Q2).
21. **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**
22. Radu I. Braga, Anca Panaitescu, Silvia Bădescu, Leon Zăgrean, **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**

23. Ceanga M, Spataru A, **Zăgrean 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**.

Articole publicate in reviste ISI cu factor de impact, ca autor secundar:

1. Popescu, M.R.; Dudu, A.; Jurcut, C.; Ciobanu, A.M.; **Zăgrean, A.-M.**; Panaitescu, A.M. A Broader Perspective on Anti-Ro Antibodies and Their Fetal Consequences - A Case Report and Literature Review. *Diagnostics* **2020**, *10*, 478. <https://doi.org/10.3390/diagnostics10070478> (IF=3.11).
2. Chemicogenetic recruitment of specific interneurons suppresses seizure activity. A Calin, M Stancu, **AM Zăgrean**, J Jefferys, AS Ilie, C Akerman. *Front. Cell. Neurosci.*, September **2018**, <https://doi.org/10.3389/fncel.2018.00293>, **IF = 4.3**.
3. Balseanu AT, Buga AM, Catalin B, Wagner DC, Boltze J, **Zăgrean 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 (Q1, **IF = 4**).
4. Zamfir AD, Flangea C, Serb A, **Zăgrean 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**
5. Constantinescu AO, Ilie A, Ciocan D, **Zăgrean AM**, Zăgrean 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**
6. Ilie A, Ciocan D, Constantinescu A.O, **Zăgrean AM**, Nita DA, Zăgrean 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**.
7. Ilie A, Ciocan D, **Zăgrean AM**, Nita DA, Zăgrean 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**.
8. Ilie A, Spulber S, Avramescu S, Nita DA, **Zăgrean AM**, Zăgrean 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**
9. Moldovan M, **Zăgrean AM**, Avramescu S, Savaran V, Zăgrean 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**
10. Nita, DA, Nita V, Spulber St, Moldovan M, Popa DP., **Zăgrean A-M**, Zăgrean L. Oxidative damage following cerebral ischemia depends on reperfusion – a biochemical study in rat. *J.Cell.Mol.Med*. **2001**; 5:163-170, **IF = 0.45**.

Articole publicate in reviste BDI:

1. Ioana Antoaneta Georgescu, Elena Laura Georgescu Mărgărint, Carmen-Denise-Mihaela Zahiu, **Ana-Maria Zăgrean**, Leon Zăgrean. Cognitive and affective disorders associated with dysfunctional cerebello-limbic-prefrontal circuits. *Fiziologia – Physiology*, **2020**. 30.1(99), 4-8.
2. Elena Laura Georgescu Mărgărint, Ioana Antoaneta Georgescu, Ștefan-Alexandru Țirlea, Alexandru Răzvan Șteopoaie, **Ana-Maria Zăgrean**, Carmen-Denise-Mihaela Zahiu, Leon Zăgrean. New concepts in cerebellar physiology. *Fiziologia – Physiology*, **2020**, 30.1(99), 14-20.
3. Mara Ioana Ieșanu, Carmen-Denise-Mihaela Zahiu, Ioana Antoaneta Georgescu, Leon Zăgrean, Ana-Maria Zăgrean. The microbiota-gut-brain axis – a complex system cross-talk. *Fiziologia – Physiology*, **2020**, 30.1(99), 27-34.
4. B. Pavel, L. Vatasoiu, A. Stanculea, A. Milos, A. Pastrav, A.E. Rosca, **AM. Zăgrean**, A. Otoi, M. Covrig, I. Boiangiu. High levels of procalcitonin in non-septic patients with thermal and airway burns. *Romanian Journal of Military Medicine*, **2019**, 122(3), 22-28.
5. Bogdan Pavel, Camelia Alexandra Acatrinei, Maria Corbu, Carmen Mihaela Denise Zahiu, Adrian Eugen Rosca, Leon Zăgrean, **Ana-Maria Zăgrean**. 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
6. Voiculescu SE, Rosca A, Zahiu CMD, Badiu C, **Zăgrean AM**. Melatonin and monoaminergic system – behavioural aspects. *Romanian Journal of Neurology – Vol XV, No. 1*, **2016**

7. Bădescu SV, Tătaru CP, Kobylinska L, Georgescu EL, Zahiu DM, **Zăgrean AM**, Zăgrean L. Effects of caffeine on locomotor activity in streptozotocin-induced diabetic rats. *J Med Life*. **2016** Jul-Sep;9(3):275-279.
8. Bădescu SV, Tătaru C, Kobylinska L, Georgescu EL, Zahiu DM, **Zăgrean AM**, Zăgrean L. The association between Diabetes mellitus and Depression. *J Med Life*. **2016** Apr-Jun;9(2):120-5. Review.
9. Kobylinska, Liana; Geagulea, Gabriel; **Zăgrean, Ana-Maria**; Zăgrean, 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.
10. Kobylinska L, Geagulea G, Berbecar V, Stancu M, Stefan AM, **Zăgrean AM**, Zăgrean L. Inhalation versus intraperitoneal oxytocin administration in Swiss-Albino Mice. *Discover. Rep*. **2016**; 2: e5. DOI: 10.15190/drep.2016.1
11. Voiculescu SE, Rosca AE, Zeca V, Zăgrean L, **Zăgrean 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.
12. Adrian Roșca, Suzana Elena Voiculescu, Bogdan Ovidiu Popescu, **Ana-Maria Zăgrean**. Taurine and vascular tone modulation. *J. Transl. Med. Res* **2015**; 20(4):201-205
13. Bogdan Pavel, Camelia Alexandra Acatrinei, Fabien Menardy, Carmen Mihaela Denise Zahiu, Daniela Popa, **Ana-Maria Zăgrean**, Leon Zăgrean. Changes of cortical connectivity during deep anaesthesia. *Romanian Journal of Anaesthesia and Intensive Care* **2015** Vol 22 No 2, 83-88
14. Anca Maria Panaitescu, Suzana Elena Voiculescu, Nikolaos Zygouropoulos, Gheorghe Peltecu, Leon Zăgrean, **Ana-Maria Zăgrean**. 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**.
15. 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**
16. Panaitescu A, Zăgrean L, **Zăgrean AM**, Demetrian M, Peltecu G. Neonatal encephalopathy: A new paradigm. *Obstetrica si Ginecologie* 62(2):77-82, June **2014**
17. Voiculescu SE, Zygouropoulos N, Zahiu CD, **Zăgrean AM**. Role of melatonin in embryo fetal development. *J Med Life*. **2014** Oct-Dec;7(4):488-92. Review.
18. Pavel B, Daneasa A, Rosca AE, Calin A, Zahiu D, Panaitescu A, **Zăgrean AM**, Zăgrean L. Fronto-parietal connectivity changes following noxious stimulation during anesthesia. *J Med Life*. **2014** Sep 15;7(3):387-90.
19. Moldovan M, Spulber S, Saravan V, Iosifescu R, **Zăgrean A-M**, Zăgrean L, Relationship between respiratory sinus arrhythmia and heart rate during anesthesia in rat, *Rom. J. Physiol.* **2004**, vol. 41: 21-30.
20. Nat R, Stanciu C, Vidulescu C, **Munteanu A-M**, Regalia T, Popescu LM, Still life: cerebellar neurons in early apoptosis. *J. Cell. Mol. Med.*, **2000** Jul-Sept, 4(3):228
21. Zăgrean L, Moldovan M, **Munteanu A-M**, Spulber St, Voiculescu BA, and Popescu BO. Early electrocortical changes consistent with ischemic preconditioning in rat. *J. Med..Biochem*. **2000**; 4:103-111
22. Moldovan, M., **Munteanu, A-M**, Nita, DAI, Popa DP, Spulber St, Zăgrean L. Ischemic electrocortical suppression - an active mechanism? *J. Med. Biochem*. 4(3):215-223, **2000**
23. Cristea A, Moldovan M, **Munteanu A-M**, Popa DP, Negres S, Zăgrean L. EEG differences between the opioid and adrenergic psychoneuroendocrine rat types, *Rom. J. Physiol.* 35:153-159, **1998**
24. Moldovan, M., **Munteanu, A-M.**, Nita, D.AI., Popa, D.P., and L. Zăgrean. The quantification of intrahemispheric EEG asymmetry in rat. *Rom. J. Physiol.* 35:33-39, **1998**
25. Zăgrean L, Vatasescu R, **Munteanu A-M**, Moldovan M, Nita DAI, Coculescu M. Preliminary EEG study of protective effects of Tebonin in transient global cerebral ischemia in rats, *Rom. J. Physiol.*, **1998**, 35, 1-2, p. 161-168.
26. Serbanescu AI., **Munteanu A-M.**, Vatasescu R., and Zăgrean L. A computerized EEG analysis of the effects of nimodipine in global cerebral ischemia and reperfusion. *Rom. J. Neurol.*, 36: 27-34, **1998**
27. Zăgrean L, Varlas V, Oprica M, **Munteanu AM**, Oltenschi C, Voicu T. EEG study of kainite induced epilepsy in non-anaesthetized freely moving rats. *Rom. J. Physiol.*, 30, 1-2, 115 –18 **1993**.

Book review:

A-M. Zagrean, Book review for: *MATERNAL-FETAL AND NEONATAL ENDOCRINOLOGY. Physiology, Pathophysiology, and Clinical Management*, 1st Edition, Academic Press, in *Acta Endocrinologica (Buc)*, vol. XVI, no. 2, p. 274, **2020**, doi: 10.4183/aeb.2020.274

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 Vasiliu, **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. **Zagrean AM**, Ceanga M, Mihai G, Le Duc D, Spataru A, Toescu EC, Dynamics of cerebellar granule neurones' 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. Zagrean**, 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 sau volume de rezumate cu ISSN/ ISBN ale unor conferințe internaționale sau naționale cu participare internațională (pana in 2019 inclusiv):

1. **Ana-Maria Zagrean**, Anca Maria Panaitescu, Sebastian Isac, Bogdan Pavel, Alexandru Catalin Paslaru, Mara Ioana Iesanu, Natalia Cucu, Mihai Moldovan, Leon Zagrean. Prenatal and perinatal modulation of brain vulnerability to hypoxia/asphyxia. A 31-a Conferință Națională a Societății Române de Fiziologie "Fiziologia azi: Inovare, Integrare, Traducere", Timișoara, 25–26 octombrie 2019, *Fiziologia-Physiology*. **2019**. Supplement 1. p. 21-22. ISSN 1223-2076.
2. Bogdan Pavel, Patricia Demetria Popovici, Diana Rotaru, Marina Cozma, Denise Zahiu, Daniela Popa, Leon Zagrean, **Ana-Maria Zagrean**. Claustum – experimental challenges in exploring its function. A 31-a Conferință Națională a Societății Române de Fiziologie "Fiziologia azi: Inovare, Integrare, Traducere", Timișoara, 25–26 octombrie 2019, *Fiziologia-Physiology*. **2019**. Supplement 1. ISSN 1223-2076.
3. Miruna Rascu, Mihai Stancu, Colin Akerman, **Ana-Maria Zagrean**. Chemogenetic modulation of seizure activity in freely behaving mice. *Acta Medica Marisensis*. **2019** Supplement, Vol. 65, p7-7. 1/2p. ISSN: 2068 – 3324.
4. **Ana-Maria Zagrean**, Anca Maria Panaitescu, Sebastian Isac, Alexandru Catalin Paslaru, Mara Ioana Iesanu, Alexandra Totan, Natalia Cucu, Mihai Moldovan, Leon Zagrean. Prenatal modulation of brain vulnerability to asphyxia in rat. FENS Regional Meeting 2019 (FRM2019), Belgrade, Serbia, 10-13 July **2019**, *Abstract Book*, ISBN 978-86-917255-3-2.
5. Alexandru Țîrlea, Elena Laura Georgescu, Ioana Antoaneta Georgescu, Denise C.M. Zahiu, Alexandru Șteopoaie, Adrian Pană, Adriana Monica Nichita, Sebastian Vanhaeren, Mădălina Popescu, **Ana-Maria Zăgrean**, Daniela Popa. Detection of reduced interhemispheric communication between primary motor cortices in cerebellar kainic acid induced dystonia. FENS Regional Meeting 2019 (FRM2019), Belgrade, Serbia, 10-13 July **2019**, *Abstract Book*, ISBN 978-86-917255-3-2.
6. Carmen-Denise-Mihaela Zahiu, Elena-Laura Georgescu, Ioana Georgescu, Alexandru Șteopoaie, Adrian Pană, Alexandru Țîrlea, Daniela Popa and **Ana-Maria Zagrean**. ECOG and EMG connectivity during cerebellar kainic acid-induced dystonia in mice. FENS Regional Meeting 2019 (FRM2019), Belgrade, Serbia, 10-13 July **2019**, *Abstract Book*, ISBN 978-86-917255-3-2.
7. Marina Cozma, Miruna Costreie, Miruna Rascu, Mihai Stancu, Alexandru Calin, Andrei Ilie, John Jefferys, **Ana-Maria Zagrean**, Colin Akerman. Electrocorticographical recordings in a robust *in vivo* model of epileptic seizures in mice. FENS Regional Meeting 2019 (FRM2019), Belgrade, Serbia, 10-13 July **2019**, *Abstract Book*, ISBN 978-86-917255-3-2.

8. Raluca-Elena Mitran, Patricia-Demetria Popovici, Miruna Rascu, Maria-Miruna Costreie, Vlad-Petru Moroza, Mihai Stancu, Alexandru Calin, Andrei Ilie, **Ana-Maria Zagrean**, John Jefferys, Colin Akerman *In vivo* chemogenetic modulation of seizure activity in mice. FENS Regional Meeting 2019 (FRM2019), Belgrade, Serbia, 10-13 July **2019**, *Abstract Book*, ISBN 978-86-917255-3-2.
9. Alexandru Paslaru, Dorottya Szocs, Stefan Teodorescu, Cosmin-Andrei Șerban, **Ana-Maria Zagrean**, Leon Zăgrean, Mihai Moldovan. Task-related EEG reactivity following transcranial direct current stimulation of the dorsolateral prefrontal cortex. FENS Regional Meeting 2019 (FRM2019), Belgrade, Serbia, 10-13 July **2019**, *Abstract Book*, ISBN 978-86-917255-3-2.
10. Artsiom Klimko, Sebastian Isac, Vlad Zeca, Anca Maria Panaitescu, Leon Zagrean, **Ana-Maria Zagrean**. Effects of trans-resveratrol and citicoline supplemented maternal diet on the behavior of offspring rats subjected to perinatal asphyxia. FENS Regional Meeting 2019 (FRM2019), Belgrade, Serbia, 10-13 July 2019, *Abstract Book*, ISBN 978-86-917255-3-2.
11. Cerebellar contribution to oscillatory cortical activity in dystonia. Steopoaie Alexandru¹, Georgescu Elena Laura, Georgescu Ioana Antoaneta, Zahiu Denise, Tîrlea Alexandru, Pana Adrian, Nichita Adriana Monica, **Zagrean Ana-Maria**, Popa Daniela. FENS Regional Meeting 2019 (FRM2019), Belgrade, Serbia, 10-13 July **2019**, *Abstract Book*, ISBN 978-86-917255-3-2.
12. Dorottya Szocs, Paslaru Alexandru Catalin, Stancu Mihai, Pavel Bogdan, Zahiu Carmen Denise, **Zagrean Ana-Maria**, Zagrean Leon, Moldovan Mihai. Assessment of the rat epileptic brain by burst-suppression EEG reactivity. FENS Regional Meeting 2019 (FRM2019), Belgrade, Serbia, 10-13 July 2019, *Abstract Book*, ISBN 978-86-917255-3-2.
13. Laurentiu Tofan, Alexandru-Catalin Paslaru, Mihai Stancu, Bogdan Pavel, Denise Mihaela Zahiu, Alexandru Calin, **Ana-Maria Zagrean**, Leon Zagrean, Mihai Moldovan. Assessment of the rat post-ischemic brain by burst-suppression EEG reactivity. FENS Regional Meeting 2019 (FRM2019), Belgrade, Serbia, 10-13 July **2019**, *Abstract Book*, ISBN 978-86-917255-3-2.
14. Chitimus Diana Maria, Le Duc Diana, Voiculescu Suzana Elena, Zagrean Leon, Torsten Schöneberg, **Zagrean Ana-Maria**. Prenatal continuous light exposure leads to changes in serotonin- and circadian system-related genes expression in the rat adult offspring FENS Regional Meeting 2019 (FRM2019), Belgrade, Serbia, 10-13 July **2019**, *Abstract Book*, ISBN 978-86-917255-3-2.
15. Maria-Miruna Costreie, Nikolaos Zygouropoulos, Mara Ilesanu, Artsiom Klimko, Sebastian Isac, Leon Zagrean, **Ana-Maria Zagrean**. The beneficial effect of trans-resveratrol on early hippocampal neurodevelopment in a rat model of foetal alcohol syndrome and hypoxic-ischemic encephalopathy. FENS Regional Meeting 2019 (FRM2019), Belgrade, Serbia, 10-13 July **2019**, *Abstract Book*, ISBN 978-86-917255-3-2.
16. Rosana-Bristena Ionescu, Ioana Florentina Grigoras, Mara Ioana Ilesanu, Diana Maria Chitimus, Robert Mihai Haret, Tudor Mihai, Bogdan Ianosi, Mihai Ceanga, **Ana-Maria Zagrean**. Chloride transport modulation impacts the response of hippocampal neurons to oxygen-glucose deprivation and reoxygenation. FENS Regional Meeting 2019 (FRM2019), Belgrade, Serbia, 10-13 July **2019**, *Abstract Book*, ISBN 978-86-917255-3-2.
17. Trans-resveratrol supplemented maternal diet improves the early neurologic outcome in rat offspring consecutive to perinatal asphyxia. Mara Ilesanu, Sebastian Isac, Anca Maria Panaitescu, Ana Spataru, Alexandra Totan, Natalia Cucu, Leon Zagrean, **Ana-Maria Zagrean**. FENS Regional Meeting 2019 (FRM2019), Belgrade, Serbia, 10-13 July **2019**, *Abstract Book*, ISBN 978-86-917255-3-2.
18. Robert Mihai Haret, Ioana Florentina Grigoras, Mara Ioana Ilesanu, Diana Maria Chitimus, Rosana-Bristena Ionescu, Bogdan Ianosi, Mihai Ceanga, **Ana-Maria Zagrean**. The impact of oxytocin on mature hippocampal neurons' vulnerability to in vitro metabolic deprivation depends on the severity of lesion FENS Regional Meeting 2019 (FRM2019), Belgrade, Serbia, 10-13 July **2019**, *Abstract Book*, ISBN 978-86-917255-3-2.
19. Kainic acid application on the cerebellar hemisphere induces specific dystonic phenotypes in mice. Vanhaeren Sebastien Gérard, Elena Laura Georgescu, Ioana Antoaneta Georgescu, Denise CM Zahiu, Alexandru Șteopoaie, Tîrlea Ștefan Alexandru, Adrian Pana, **Ana-Maria Zagrean**, Mădălina Popescu, Daniela Popa. FENS Regional Meeting 2019 (FRM2019), Belgrade, Serbia, 10-13 July **2019**, *Abstract Book*, ISBN 978-86-917255-3-2.
20. Pavel Bogdan 1, Panaitescu Anca Maria 1, 2, Isac Sebastian 1, Nikolaos Zygouropoulos 1, Ilie Andrei Sorin 3, Ceanga Mihai 4, Zagrean Leon 1, Peltecu Gheorghe 2, Zagrean Ana-Maria oxytocin reduces hippocampal injury and seizures induced by the perinatal asphyxia. FENS Regional Meeting 2019 (FRM2019), Belgrade, Serbia, 10-13 July **2019**, *Abstract Book*, ISBN 978-86-917255-3-2.
21. Sebastian Isac, Anca Maria Panaitescu, Amalia Udriste, Natalia Cucu, Gheorghe Peltecu, Leon Zagrean, Ana-Maria Zagrean. Maternal diet alters the hippocampus epigenetic pattern in perinatal asphyxia. FENS Regional Meeting 2019 (FRM2019), Belgrade, Serbia, 10-13 July **2019**, *Abstract Book*, ISBN 978-86-917255-3-2.
22. Robert Mihai Haret, Patricia Demetria Popovici, Miruna Rascu, Mihai Stancu, Raluca Mitran, Marina Cozma, Miruna Rascu, Catalina Sabina Cremeneanu, Miralena Tomescu, Alexandru Catalin Paslaru, **Ana-Maria Zagrean**, Mihai Moldovan. Brain Awareness Week 2019 – Science vs Art in the age of artificial intelligence. FENS Regional Meeting 2019 (FRM2019), Belgrade, Serbia, 10-13 July **2019**, *Abstract Book*, ISBN 978-86-917255-3-2.

23. Mihai Stancu, Patricia Demetria Popovici, Robert Mihai Haret, Raluca Mitran, Miruna Rascu, Vlad Petru Morozan, **Ana-Maria Zagrean**, Alexandru Catalin Paslaru, Mihai Moldovan. Brain Awareness Week 2018 – Brain technology: the quest for human enhancement. FENS Regional Meeting 2019 (FRM2019), Belgrade, Serbia, 10-13 July **2019**, *Abstract Book*, ISBN 978-86-917255-3-2.
24. Arsene C, Cucu N, Isac S, Panaitescu AM, **Zagrean 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
25. **Zagrean, A.M.**, Ceanga, M., Grigoras, I.F., Ilesanu, M.I., Chitimus, D.M., Ianos, B., Ionescu, R.B., Haret, R.M., Panaitescu, A.M., Ilie, A., Zagrean, 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-Psycho-Pharmacology, 15-17 November **2018**, Bucharest, Romania, ISSN 1843-8148.
26. **Ana-Maria Zagrean**, Anca Maria Panaitescu, Sebastian Isac, Bogdan Pavel, Alexandru Paslaru, Alexandra Totan, Natalia Cucu, Mihai Moldovan, Leon Zagrean. 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.
27. Natalia Cucu, Sebastian Isac, Anca Panaitescu, **Ana-Maria Zagrean**. 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.
28. Bogdan Pavel, Diana Rotaru, Daniela Popa, **Zagrean AM**, Zagrean 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.
29. Chitimus, D.M., Ilesanu, M.I., Grigoras, I.F., Ianos, B., Ceanga, M., **Zagrean, 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.
30. Ilesanu, M.I., Isac, S., Panaitescu, A.M., Klimko, A., Totan, A., Cucu, N., Zagrean, L., **Zagrean, 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.
31. Ionescu, R.B., Ilesanu, M.I., Chitimus, D.M., Haret, R.M., Mihai, T., Grigoras, I.F., Ianos, B., Ceanga, M., **Zagrean, 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.
32. Mihai, T., Haret, R.M., Grigoras, I.F., Ilesanu, M.I., Ionescu, R.B., Chitimus, D.M., Ianos, B., Ceanga, M., **Zagrean, 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.
33. Ioana Antoaneta Georgescu, Elena Laura Georgescu, Alexandru Răzvan Șteopoaie, Alexandru Țirlea, Adrian Pana, Monica Nichita, Denise CM Zahiu, **Ana-Maria Zăgrean**, 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.
34. Monica Adriana Nichita; Elena Laura Georgescu; Ioana Antoaneta Georgescu; Alexandru Razvan Steopoaie; Alexandru Tirlea; Adrian Pana; Denise CM Zahiu; Vlad Morozan; **Ana-Maria Zagrean**; 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.
35. Alexandru Tirlea; Elena Laura Georgescu; Ioana Antoaneta Georgescu; Denise C.M. Zahiu; Alexandru Steopoaie; Adrian Pana; Adriana Monica Nichita; **Ana-Maria Zagrean**; 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.
36. Mitran Raluca-Elena; Mihai Stancu; Alexandru Calin; Andrei Ilie; John Jefferys; **Ana-Maria Zagrean**; 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.
37. Patricia-Demetria Popovici; Vlad-Petru Morozan; Maria-Miruna Costreie; Miruna Rascu; Mihai Stancu; Alexandru Calin; Andrei Ilie; John Jefferys; **Ana-Maria Zagrean**; 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.

38. Miruna Rascu; Maria-Miruna Costreie; Patricia-Demetria Popovici; Vlad-Petru Morozan; Mihai Stancu; Alexandru Calin; Andrei Ilie; John Jefferys; **Ana-Maria Zagrean**; 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.
39. Laurentiu Tofan; Alexandru-Catalin Paslaru; Mihai Stancu; Bogdan Pavel; Denise Mihaela Zahiu; Alexandru Calin; Ana-Maria Zagrean; Leon Zagrean; 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.
40. Paslaru Alexandru Catalin , Fazeli Negar, Stancu Mihai, Pavel Bogdan, Zahiu Carmen Denise, **Zagrean Ana Maria**, Zagrean 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.
41. Chitimus, D.M., Grigoras, I.F., Iesanu, M.I., Ionescu, R.B., Haret, R.M., Mihai, T., Ianosi, B., Ceanga, M., Zagrean, L., **Zagrean, A.M.**, Chloride transportation modulation impacts on neuronal viability in mature hippocampal cultures exposed to oxygen-glucose deprivation and reoxygenation, oral presentation, *Clujul Medical*, p.47, Vol.91/**2018**, supplement 6, 30th National Conference of Physiology – Integrative Physiology, from Fundamental Mechanisms to Biomedical Applications, 27-29 September 2018, Cluj-Napoca, Romania, e-ISSN 2066-8872.
42. Iesanu, M.I., Isac, S., Panaitescu, A.M., Grigoras, I.F., Totan, A., Cucu, N., Zagrean, L., Peltecu, G., **Zagrean, A.M.**, Maternal high-fat diet influences the immature rat hippocampus exposed to perinatal asphyxia, oral presentation, *Clujul Medical*, p.46, Vol.91/**2018**, supplement 6, 30th National Conference of Physiology – Integrative Physiology, from Fundamental Mechanisms to Biomedical Applications, 27-29 September 2018, Cluj-Napoca, Romania, e-ISSN 2066-8872.
43. Alexandru Razvan Șteopoaie, Ioana Antoaneta Georgescu, Elena Laura Georgescu, Denise CM Zahiu, Vlad Petru Morozan, Adrian Pana, Alexandru Țirlea, Adriana Monica Nichita, **Ana-Maria Zăgrean**, Daniela Popa. Motor behavior in mice during dystonia induced by cerebellar kainic acid application. The 30th National Physiology Conference: "Integrative physiology - from fundamental mechanisms to biomedical applications", Cluj-Napoca, Romania, 27-29 September **2018**, *Clujul Medical, Journal of Medicine and Pharmacy* 2018, Vol. 91 – Supplement No. 6, e-ISSN 2066-8872.
44. Ioana Antoaneta Georgescu, Elena Laura Georgescu, Alexandru Razvan Șteopoaie, Alexandru Țirlea, Adrian Pana, Monica Nichita, Denise CM Zahiu, **Ana-Maria Zăgrean**, Daniela Popa. Cortical oscillations in an animal model of dystonia caused by cerebellar dysfunction. The 30th National Physiology Conference: "Integrative physiology - from fundamental mechanisms to biomedical applications", Cluj-Napoca, Romania, 27-29 September 2018, *Clujul Medical, Journal of Medicine and Pharmacy* **2018**, Vol. 91 – Supplement No. 6, pag 572-573, e-ISSN 2066-8872.
45. Ioana Antoaneta Georgescu, Elena Laura Georgescu, Denise CM Zahiu, Alexandru Șteopoaie, Adrian Pana, Alexandru Țirlea, Adriana Monica Nichita, **Ana-Maria Zagrean**, Daniela Popa. Parietal cortex oscillations alteration after cerebellar kainic acid - induced dystonia. The 6th Carol Davila University of Medicine and Pharmacy Congress, Bucharest, Romania, 7-9 June **2018**. ISSN: 2501-6903.
46. Alexandru Țirlea, Elena Laura Georgescu, Ioana Antoaneta Georgescu, Denise CM Zahiu, Alexandru Șteopoaie, Adrian Pană, Adriana Monica Nichita, **Ana-Maria Zagrean**, Daniela Popa. Electromyography Spectral Power during cerebellar kainic acid - induced dystonia in mice. The 6th Carol Davila University of Medicine and Pharmacy Congress, Bucharest, Romania, 7-9 June **2018**. ISSN: 2501-6903.
47. Adrian Pană, Ioana Antoaneta Georgescu, Elena Laura Georgescu, Denise CM Zahiu, Alexandru Șteopoaie, Alexandru Țirlea, Adriana Monica Nichita, **Ana-Maria Zagrean**, Daniela Popa. Motor behavior during kainic acid induced dystonia. The 6th Carol Davila University of Medicine and Pharmacy Congress, Bucharest, Romania, 7-9 June **2018**. ISSN: 2501-6903.
48. Iesanu, I.M., Grigoras, I.F., Chitimus, D.M., Haret, R., Ionescu, B., Ianosi, B., Ceanga, M., Zagrean, L., **Zagrean, A.M.**, Modulating intracellular chloride concentration impacts on the viability of rat primary hippocampal cell cultures exposed to oxygen-glucose deprivation, oral presentation, *Fiziologia - Physiology*, Supplement 1/**2017**. p.26, 29th National Conference of the Romanian Society of Physiological Sciences with international attendance, Timisoara, 25-27 May 2017, ISSN 1223-2076.
49. Iesanu, I.M., Isac, S., Panaitescu, A.M., Spataru, A., Totan, A., Peltecu, G., Zagrean, L., **Zagrean, A.M.**, Trans-resveratrol enriched maternal diet offers a neuroprotective effect in immature rat hippocampus after perinatal asphyxia exposure, poster presentation, *Fiziologia-Physiology*. Supplement 1/**2017**, p.48, 29th National Conference of the Romanian Society of Physiological Sciences with international attendance, 25-27 May 2017, ISSN 1223-2076.
50. Ioana Georgescu, Laura Georgescu, Denise CM Zahiu, Vlad Morozan, Alexandru Șteopoaie, Adrian Pana, **Ana-Maria Zăgrean**, Daniela Popa. Alterations in the sensory-motor cortex connectivity during dystonic motor behavior induced by intracerebellar kainic acid administration. The 29th National Conference of the Romanian Society of Physiological Sciences, with International Participation,

Personalized Physiology - from Concept to Precision Medicine", Timișoara, 25-27 May 2017, *Fiziologia-Physiology* **2017**. Supplement 1, ISSN 1223-2076 e-ISSN 2247-2061

51. Alexandru Șteopoaie, Vlad Moroza, Adrian Pana, Laura Georgescu, Ioana Georgescu, Denise CM Zahiu, **Ana-Maria Zăgrean**, Daniela Popa. Sensory-motor cortex connectivity changes during exploratory behaviour, in mice The 29th National Conference of the Romanian Society of Physiological Sciences, with International Participation, Personalized Physiology - from Concept to Precision Medicine", Timișoara, 25-27 May 2017, *Fiziologia-Physiology* **2017**. Supplement 1, ISSN 1223-2076 e-ISSN 2247-2061
52. Vlad Moroza, Alexandru Șteopoaie, Denise CM Zahiu, Laura Georgescu, Ioana Georgescu, Adrian Pana, **Ana-Maria Zăgrean**, Daniela Popa, Kainic acid intracerebellar repeated administration - a chronic mouse model of generalized dystonia. The 29th National Conference of the Romanian Society of Physiological Sciences, with International Participation, Personalized Physiology - from Concept to Precision Medicine, Timișoara, Romania, 25-27 May 2017, *Fiziologia-Physiology* **2017**. Supplement 1, ISSN 1223-2076 e-ISSN 2247-2061 ISSN-L 1223-2076
53. **Zăgrean, A.M.**, Isac, S., Panaitescu, A.M., Ilesanu, I.M., Totan, A., Cucu, N., Udris, A., Peltecu, G., Zăgrean, L., Hippocampal vulnerability to perinatal asphyxia in rat, p.20, 8th Conference of the National Neuroscience Society of Romania, Craiova, 19-21 October 2017, *Fiziologia-Physiology*. Supplement 2/**2017**. ISSN 1223-2076.
54. Haret, R.M., Grigoras, I.F., Ilesanu, M.I., Ionescu, R.B., Chitimus, D.M., **Zăgrean, A.M.**, The effect of intracellular chloride on the viability of rat hippocampal neurons subjected to in vitro oxygen-glucose-deprivation, p.31, 8th Conference of the National Neuroscience Society of Romania, Craiova, 19-21 October 2017, *Fiziologia-Physiology*. Supplement 2/**2017**. ISSN 1223-2076.
55. Ilesanu, M.I., Isac, S., Panaitescu, A.M., Spataru, A., Totan, A., Udris, A., Cucu, N., Peltecu, G., Zăgrean, L., **Zăgrean, A.M.**, The neuroprotective effect of trans-resveratrol enriched maternal diet in immature hippocampus exposed to perinatal asphyxia, poster presentation, p.32, 8th Conference of the National Neuroscience Society of Romania, Craiova, 19-21 October, 2017, *Fiziologia-Physiology*. Supplement 2/**2017**. ISSN 1223-2076.
56. Paslaru AC, Stancu M, Pavel B, Zahiu CDM, Fazeli N, **Zăgrean AM**, Zăgrean L, Moldovan M. Antiepileptic drugs treatment assessment by burst-suppression EEG reactivity in a genetic absence epilepsy model, oral presentation, 8th Conference of the National Neuroscience Society of Romania, Craiova, 19-21 October 2017, *Fiziologia-Physiology*. Supplement 2/**2017**. ISSN 1223-2076.
57. Ioana Antoaneta Georgescu, Elena Laura Georgescu, Alexandru Șteopoaie, Vlad Moroza, Adrian Pana, Denise CM Zahiu, **Ana-Maria Zăgrean**, Daniela Popa. Alterations in the parietal-motor cortex connectivity during dystonic motor behavior induced by intracerebellar kainic acid administration. The 8th Conference of the National Neuroscience Society of Romania 2017, Neurodegeneration and Regeneration, from cells to mind, Craiova, 19-21 October 2017, *Fiziologia-Physiology*. **2017**. Supplement 2, ISSN 1223-2076 e-ISSN 2247-2061
58. Răzvan Alexandru Șteopoaie, Laura Georgescu, Denise CM Zahiu, Ioana Georgescu, Vlad Moroza, Adrian Pana, **Ana-Maria Zăgrean**, Daniela Popa. Sensory-motor cortex connectivity changes during active and quiet wake behavior during dystonia attacks, in mice. The 8th Conference of the National Neuroscience Society of Romania 2017, Neurodegeneration and Regeneration, from cells to mind, Craiova, 19-21 October 2017, *Fiziologia-Physiology*. **2017**. Supplement 2, ISSN 1223-2076 e-ISSN 2247-2061 ISSN-L 1223-2076
59. S. Isac, A.M. Panaitescu, A. Spataru, M. Ilesanu, A. Udris, N. Cucu, G. Peltecu, L. Zăgrean, A.M. Zăgrean. Trans-resveratrol supplemented maternal diet has a neuroprotective effect in perinatal asphyxia in rat. Carol Davila University and Pharmacy National Congress, Bucharest, *Maedica – Journal of Clinical Medicine*, **2017**, Volume 12, Supplement, p. 28. ISSN: 2501-6903.
60. Mara Ioana Ilesanu, Ioana-Florentina Grigoras, Robert Haret, Diana Maria Chitimus, Bristena Ionescu, Bogdan Ianosi, Mihai Ceanga, **Ana-Maria Zăgrean**. Intracellular chloride concentration affects the cellular viability of rat primary hippocampal cell culture exposed to oxygen-glucose deprivation. Carol Davila University and Pharmacy National Congress, Bucharest, *Maedica – Journal of Clinical Medicine*, **2017**, Volume 12, Supplement, p. 12. ISSN: 2501-6903.
61. Denise CM Zahiu, Laura Georgescu, Vlad Moroza, Adrian Pana, **Ana-Maria Zăgrean**, Daniela Popa. A chronic mouse model of generalized dystonia after repeated intracerebellar administration of kainic acid. The 7-th Conference of the National Neuroscience Society of Romania, 24-26 November **2016**, *Fiziologia-Physiology*. Supplement 1, ISSN 1223-2076 e-ISSN 2247-2061
62. Vlad Moroza, Adrian Pana, Laura Georgescu, Denise CM Zahiu, **Ana-Maria Zăgrean**, Daniela Popa. Sensory-motor cortex connectivity during exploratory activity, in mice. The 7-th Conference of the National Neuroscience Society of Romania, 24-26 November **2016**, *Fiziologia-Physiology*. Supplement 1, ISSN 1223-2076 e-ISSN 2247-2061.
63. Laura Georgescu, Denise CM Zahiu, Vlad Moroza, Adrian Pana, **Ana-Maria Zăgrean**, Daniela Popa. Sensory-motor cortex connectivity during dystonic motor behavior induced by intracerebellar kainic acid administration. The 7-th Conference of the National Neuroscience Society of Romania, 24-26 November **2016**, *Fiziologia-Physiology*. Supplement 1, ISSN 1223-2076 e-ISSN 2247-2061.
64. Zahiu CDM, Georgescu L, Moroza V, Pana A, **Zăgrean AM**, Popa D. Exploring the sensory and motor cortex activity during quiet and active wakefulness in mice – a preliminary study. The XIth National Congress of the Romanian Society of Physiology with international participation, 26-28 mai 2016, Craiova. *Fiziologia-Physiology*. **2016** Supplement 1. ISSN 1223-2076.

65. **AM. Zagrean**, A. Panaitescu, S. Isac, M. Ceanga, A. Paslaru, M. Stancu, B. Pavel, D. Zahiu, L. Zagrean and M. Moldovan. Neuroprotective effect of oxytocin during in vivo neonatal hypoxia/hypercapnia in rats. The XIth National Congress of the Romanian Society of Physiology with international participation, 26-28 mai 2016, Craiova. *Fiziologia-Physiology*. **2016** Supplement 1. ISSN 1223-2076.
66. Ilesanu, M.I., Grigoras, I.F., Chitimus, D.M., Ionescu, B., Haret, R., Niculae, T., Ianos, B., Ceanga, M., **Zagrean, A.M.**, The impact of intracellular chloride modulation on cellular viability in rat primary hippocampal cell culture, 7th Conference of the National Neuroscience Society of Romania (SNN) „Neurons and mind in health and disease”, Bucharest, 24-26 November 2016, *Fiziologia-Physiology*. Supplement 1/**2016**. ISSN 1223-2076.
67. Chitimus, D.M., Grigoras, I.F., Ilesanu, M.I., Ianos, B., Zagrean, L., **Zagrean, A.M.**, Oxytocin effects on mature hippocampal cultures during oxygen-glucose deprivation and reoxygenation, p.3, Carol Davila University and Pharmacy National Congress, Bucharest, *Maedica – Journal of Clinical Medicine*, **2016**, Volume 11, Supplement, ISSN: 2501-6903.
68. Ilesanu, M.I., Chitimus, D.M., Grigoras, I.F., **Zagrean, A.M.**, Mature hippocampal cultures response to oxytocin treatment during oxygen-glucose deprivation and reoxygenation, p.39, Carol Davila University and Pharmacy National Congress, Bucharest, *Maedica – a Journal of Clinical Medicine*, **2016**, Volume 11, Supplement, ISSN: 2501-6903.
69. **AM. Zagrean**, A. Panaitescu, S. Isac, M. Ceanga, A. Paslaru, M. Stancu, B. Pavel, D. Zahiu, L. Zagrean, M. Moldovan, Neuroprotective effect of oxytocin during in vivo neonatal hypoxia/hypercapnia in rats. *Physiology* **2016** (Dublin, Ireland), *Proc. Physiol. Soc.* 37 (**2016**) PCA270. Online ISSN 1749-6187
70. Paslaru AC, Stancu M, Zahiu D, Stoian A, Pavel B, Calin A, **Zagrean AM**, Zagrean L and Moldovan M, Impairment of photic burst-suppression EEG reactivity after a transient global cerebral ischemia in rat, oral presentation, SNN 2016, Bucharest, Romania, 24-26 November 2016. *Fiziologia-Physiology*. Supplement 1/**2016**. ISSN 1223-2076.
71. **AM Zagrean**, M Ceanga, A Panaitescu, B Ianos, IF Grigoras, M Ilesanu, D Chitimus, N Zygouropoulos, D Zahiu, A Spataru, AC Paslaru, M Stancu, D Udreanu, G Peltecu, M Moldovan, L Zagrean. Oxytocin and neuronal vulnerability to hypoxia-ischemia in immature and mature brain. The 6th Conference of the National Neuroscience Society of Romania „Neuroplasticity in health and disease”, Bucharest, October 29-31, 2015. *Fiziologia-Physiology*. **2015** Supplement 1. ISSN 1223-2076.
72. AM Panaitescu, N Zygouropoulos, D Udreanu, C Dobre, D Zahiu, B Pavel, G Peltecu, L Zagrean, **AM Zagrean**. Effect of oxytocin in mild and severe perinatal asphyxia in rat. The 6th Conference of the National Neuroscience Society of Romania „Neuroplasticity in health and disease”, Bucharest, October 29-31, 2015. *Fiziologia-Physiology*. **2015** Supplement 1. ISSN 1223-2076.
73. P Bogdan, D Popa, F Menardy, D Zahiu, AM Zagrean, L Zagrean. Claustrum electrical stimulation leads to a deepening anaesthesia- a preliminary study. The 6th Conference of the National Neuroscience Society of Romania „Neuroplasticity in health and disease”, Bucharest, October 29-31, 2015. *Fiziologia-Physiology*. **2015** Supplement 1. ISSN 1223-2076.
74. CA Acatrinei, B Pavel, F Menardy, CDM Zahiu, D Popa, **AM Zagrean**, L Zagrean. Deepening of anesthesia leads to changes in cortical connectivity”. The 6th Conference of the National Neuroscience Society of Romania „Neuroplasticity in health and disease”, Bucharest, October 29-31, 2015. *Fiziologia-Physiology*. **2015** Supplement 1. ISSN 1223-2076.
75. Paslaru A, Stancu M, Zahiu D, Stoian A, Pavel B, Catalin A, **Zagrean AM**, Zagrean L and Moldovan M. Prolonged attenuation of circadian sleep rhythms after a brief global cerebral ischemia in rat. 6th Conference of the National Neuroscience Society of Romania „Neuroplasticity in health and disease”, Bucharest, October 29-31, 2015. *Fiziologia-Physiology*. **2015** Supplement 1. ISSN 1223-2076. 1st Prize.
76. Sebastian Isac, Anca Panaitescu, Nikos Zygouropoulos, Bogdan Pavel, Denise Carmen Zahiu, George Peltecu, Leon Zagrean, **Ana-Maria Zagrean**. Mild and severe perinatal asphyxia – an experimental model in rat. The 6th Conference of the National Neuroscience Society of Romania „Neuroplasticity in health and disease”, Bucharest, October 29-31, 2015. *Fiziologia-Physiology*. **2015** Supplement 1. ISSN 1223-2076.
77. Serban CA, Paslaru A, Stancu M, Pavel B, Zahiu D, **Zagrean AM**, Mindruta I, Roceanu A, Zagrean L, Moldovan M. Reactivity of heart rate variability to photic stimulation in men and rats”. The 6th Conference of the National Neuroscience Society of Romania „Neuroplasticity in health and disease”, Bucharest, October 29-31, 2015. *Fiziologia-Physiology*. **2015** Supplement 1. ISSN 1223-2076.
78. **Zagrean AM**, Panaitescu A, Paslaru A, Stancu M, Pavel B, Zahiu CDM, Zagrean L, Moldovan M. Oxytocin attenuates electrocortical reactivity impairment after transient neonatal hypoxia in rats. The 6th Conference of the National Neuroscience Society of Romania „Neuroplasticity in health and disease”, Bucharest, October 29-31, 2015. *Fiziologia-Physiology*. **2015** Supplement 1. ISSN 1223-2076.
79. Ilesanu, M.I., Grigoras, I.F., Chitimus, D.M., Ianos, B., Ceanga, M., Zagrean, L., **Zagrean, A.M.**, Mature hippocampal cell cultures metabolic response to oxygen-glucose deprivation exposure, p.32, 6th Conference of the National Neuroscience Society of Romania (SNN) „Neuroplasticity in health and disease”, Bucharest, 29-31 October 2015, *Fiziologia-Physiology*. Supplement 1/**2015**. ISSN 1223-2076.

80. Ianosi, B., Ceanga, M., Iesanu, M.I., Grigoras, I.F., Chitimus, D.M., Zagrean, L., **Zagrean, A.M.**, Mature hippocampal cultures response to oxytocin treatment during oxygen-glucose deprivation, p.41, 6th Conference of the National Neuroscience Society of Romania (SNN) „Neuroplasticity in health and disease”, Bucharest, 29-31 October 2015. *Fiziologia-Physiology*. Supplement 1/**2015**. ISSN 1223-2076.
81. **AM Zagrean**, C Acatrinei, A Calin, D Zahiu, A Paslaru, A Stoian, M Stancu, L Zagrean, M Moldovan. Delayed neurovascular coupling after transient global cerebral ischemia in rat. *Proceedings of The Physiological Society*. **2014**. Publisher: The Physiological Society (UK). Online ISSN 1749-6187.
82. S Mirica, AC Paslaru, D Zahiu, B Pavel, AO Constantinescu, A Ilie, A Calin, **AM Zagrean**, L Zagrean, M Moldovan. Probing the reactivity of anesthetic burst-suppression EEG by transcranial direct current stimulation. The conference of the National Neuroscience Society of Romania, 23-25 October 2014. *Fiziologia-Physiology*. **2014** Supplement 2. ISSN 1223-2076.
83. AC Paslaru, A Calin, D Zahiu, S Mirica, C Acatrinei, A Stoian, **AM Zagrean**, L Zagrean, M Moldovan. Sleep alteration following a brief transient global cerebral ischemia in rats. The conference of the National Neuroscience Society of Romania, 23-25 October 2014. *Fiziologia-Physiology*. **2014** Supplement 2. ISSN 1223-2076.
84. Voiculescu SE, Zygouropoulos N, Zahiu CD, Rosca AE, Zagrean L, **Zagrean AM**. Melatonin suppression in late pregnancy leads to anxiety-like behavior in offspring. The conference of the National Neuroscience Society of Romania, 23-25 October 2014. *Fiziologia-Physiology*. **2014** Supplement 2. ISSN 1223-2076.
85. Zahiu D, Acatrinei C, Paslaru AC, Mirica S, Pavel B, **Zagrean AM**, Zagrean L. Similar behavioral effects of human and rat interferon-alfa. The conference of the National Neuroscience Society of Romania, 23-25 octombrie 2014. *Fiziologia-Physiology*. **2014** Supplement 2. ISSN 1223-2076.
86. D Zahiu, A Paslaru, A Calin, A Stoian, C Acatrinei, **AM Zagrean**, M Moldovan si L Zagrean. Human and rat interferon alpha have different effects on rat sleep, The XXVII-th National Conference of Physiology of the Romanian Physiological Society, 5-7 June **2014**, Bucharest. *Fiziologia – Physiology*. 2014 Supplement ISSN 1223-2076.
87. **AM Zagrean**, A Calin, S Mirica, A Gonzales, L Zagrean, M Moldovan. An experimental model to evaluate the whole-brain neurovascular coupling during spontaneous cerebral activity. *Proceedings of The Physiological Society*, 37th IUPS (**2013**), Publisher: The Physiological Society (UK), Online ISSN 1749-6187.
88. C Acatrinei, A Calin, D Zahiu, AC Paslaru, A Stoian, M Stancu, S Mirica, M Voinescu, A Gonzales, **AM Zagrean**, L Zagrean, M Moldovan. Delayed hemodynamic response during early reperfusion following global cerebral ischemia in rat. 4th Conference of the National Neuroscience Society of Romania. 17-19 October **2013**, Bucuresti. Abstract book ISSN 2344-3952.
89. A Stoian, B David, A Gonzales, A Calin, D Zahiu, A Paslaru, MR Ionescu, M Stancu, C Acatrinei, M Voinescu, S Mirica, O Bajenaru, A Ilie, **AM Zagrean**, L Zagrean, M Moldovan. Reactivity of burst-suppression EEG patterns following global cerebral ischemia in rat and a new insight of visual evoked potential amplitude. 4th Conference of the National Neuroscience Society of Romania. 17-19 October **2013**, Bucharest. Abstract book ISSN 2344-3952.
90. Zahiu D, Calin A, Acatrinei C, Paslaru AC, Voinescu M, Stancu M, Stoian A, Mirica S, Gonzales A, **Zagrean AM**, Zagrean L, Moldovan M. „An experimental model to evaluate the whole-brain neurovascular coupling during spontaneous cerebral activity”. 4th Conference of the National Neuroscience Society of Romania. 17-19 October **2013**, Bucharest. Abstract book ISSN 2344-3952 – 2nd Prize
91. Paslaru A, Calin A, Zahiu D, Mirica S, Ionescu M, Acatrinei C, **Zagrean AM**, Zagrean L, Moldovan M. Early alteration in sleep cycles following a brief transient global cerebral ischemia in rats. 4th Conference of the National Neuroscience Society of Romania. 17-19 October **2013**, Bucharest. Abstract book ISSN 2344-3952.
92. Stancu M, Calin A, Paslaru A, Zahiu D, Stoian A, Ionescu MR, Acatrinei C, **Zagrean AM**, Zagrean L, Moldovan M. „Video motion-tracking versus implantable neurophysiological telemetry as outcome measures in rodents”. 4th Conference of the National Neuroscience Society of Romania. 17-19 October **2013**, Bucharest. Abstract book ISSN 2344-3952.
93. I Goganau, D Zahiu, S Ioan, **AM Zagrean**, R Braga. Efectele oxitocinei asupra activarii sistemului nervos autonom indusa de testul presor la rece. Al IV-lea Simpozion al Societatii Nationale de Neurostiinte „Transdisciplinaritate in Neurostiinte”, 30-31 mai **2008**, Bucuresti. ISBN 978-973-708-323-4.
94. RI Braga, Silvia Ioan, Anca Nastase, **Ana-Maria Zagrean**, L Zagrean, Efectele comportamentale ale nonapeptidelor asupra unui model animal de depresie. Simpozion Național de Cercetare Științifică Medicală de Excelență, 25 – 26 octombrie **2007**, Sibiu, Romania. ISBN 978-973-708-272-5.
95. A Ilie, D Ciocan, **AM Zagrean**, L Zagrean, M Moldovan. Photosensitive seizures after global cerebral ischemia in rat. FENS Abstr., vol.3, A024.17, ISBN 92-990014-2-1, **2006**

96. R Braga, S Ioan, S Dinescu, A Nastase, **AM Zagrean**. The effect of oxytocin and arginin-vasotocin on rat models of depression. FENS Abstr., vol.3, A164.2, ISBN 92-990014-2-1, **2006**
97. Andrei Ilie, Dragos Ciocan, Tudor Vladoiu, Flavia Haradja, **Ana-Maria Zagrean**, Dragos Al. Nita, Leon Zagrean, Mihai Moldovan, Endogenous activation of adenosine A1 receptors delays the post-ischemic electrocortical recovery in vivo - Second International Conference of the National Neuroscience Society of Romania, 1-3 Sept. **2006**, Bucharest, ISBN[10]: 973-708-153-6
98. Andrei Ilie, Stefan Spulber, Sinziana Avramescu, Dragos Alexandru Nita, **Ana-Maria Zagrean**, Leon Zagrean, Mihai Moldovan, Depletion of cerebral adenosine pool during high metabolic stress - Second International Conference of the National Neuroscience Society of Romania, 1-3 Sept. **2006**, Bucharest, ISBN[10]: 973-708-153-6
99. Dragos Ciocan, Andrei Ilie, **Ana-Maria Zagrean**, Dragos Alexandru Nita, Leon Zagrean, Mihai Moldovan, Role of adenosine A1 receptor in ischemic electrocortical suppression, Second International Conference of the National Neuroscience Society of Romania, 1-3 Sept. **2006**, Bucharest, ISBN [10]: 973-708-153-6

03.03.2021

Prof. univ. Ana-Maria Zăgrean

