

INFORMAȚII PERSONALE



Zăgrea Ana-Maria

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

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 www.fiziologie.ro

Sexul Feminin | Data nașterii 28/06/1968 | Naționalitatea Română

POZIȚIA ACTUALĂ

Conferențiar universitar, Facultatea de Medicină, Universitatea de Medicină și Farmacie “Carol Davila”, București

EXPERIENȚA PROFESIONALĂ

- 2013-prezent

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

Calificări / diplome obținute

- 2019, Abilitare, Universitatea de Medicină și Farmacie “Carol Davila”

- 2003, Doctor în Științe Medicale (“Precondiționarea ischemică cerebrală”, Prof. Dr. Alexandru Șerbănescu), Universitatea de Medicină și Farmacie “Carol Davila”

- 1995, Doctor medic (MD), Facultatea de Medicină, Universitatea de Medicină și Farmacie “Carol Davila”

- 1987, Diploma de bacalaureat, Liceul de Matematica-Fizică nr. 3, București

Alte calificări

- oct. 2006-dec.2008

Honorary Research Fellow, Medical School, Birmingham University, UK

- 2001-prezent

Secretar general, Societatea Națională de Neuroștiințe (SNN)

- februarie 2013

Stagiu de cercetare, Ischemia Research Unit, Department of Cell Therapy, Fraunhofer Institute for Cell Therapy and Immunology, Leipzig, Germany

- 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
- 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,
- 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 reperfuție 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. 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
 Cadrul european comun de referință pentru limbi străine

Competențe de comunicare

▪ Competențe de comunicare foarte bune dobândite prin experiența didactică (22 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), anual, 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; 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 în comisii de concurs de promovare și de doctorat, UMF Carol Davila București, UMF Craiova, Universitatea București, din 2016

- 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

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

Permis de conducere

B

INFORMATII SUPLIMENTARE

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

- Proiect nr. 42PTE/2016 cu tema „Monitor pentru reactivitatea neurofiziologica (NERMO)”, *Responsabil proiect*
- Proiect TE nr. 326/2015 cu tema „Controlul cerebelului asupra sincroniei activității cortexului cerebral în condiții normale și patologice”, *membru în echipa de cercetare*
- Proiect Parteneriate nr. 80/2012 cu tema „Terapie celulara regenerativa pentru stroke”, *Responsabil de proiect;*
- Proiect Parteneriate nr. 129/2012 cu tema „Aparat pentru monitorizarea reactivitatii EEG la stimuli externi în timpul comei”, *Membru.*
- Proiect IDEI nr. 110/2011, cu tema "Cuantificarea reactivitatii EEG de tip "burst-suppression" la stimuli externi: un nou instrument pentru monitorizarea creierului comatos", *Membru.*
- Grant CNCSIS A1200/2006 cu tema "Studiul mecanismelor fiziologice și comportamentale implicate în tulburările de dispoziție. Acțiunea nonapeptidelor". *Director proiect.*
- Proiectul CEEX nr. 31/2005, cu tema "Mecanismele moleculare, celulare și 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 în nucleul rafeului asupra comportamentului și somnului. Interacțiuni neurofarmacologice cu nicotina”. *Director proiect*.

-Proiect Viasan nr. 158/2001, cu tema „Mecanisme moleculare și celulare ale preconditionării ischemice cerebrale”, 2001-2003, *Director proiect*.

- Proiect CNCSIS nr. 256, Apoptosis in Geriatric Disorders (Romanian Government and the World Bank), 2001-2002, membru

- Proiect 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: Patent Number(s): RO132025-A0; Derwent Primary Accession Number: 2017-53027H
Technology for neurophysiological diagnostic of coma severity by quantizing default electroencephalographic (EEG) reactivity..
Inventor(s): Barborica A, Ciurea J, Mindruta I, Moldovan M, Roceanu A M, Serban C, Zagrea A, Zagrea 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)

Participări la proiecte internaționale: -Membru în Comitetul de avizare științifică, pentru proiectele Neuron Cofound, Contract no. 680966/2015 (2016-2020), ERA-Net NEURON II, Contract no. 291840/2012 (2012-2015), 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 în Consiliul Director al Organizației Internaționale 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 Științe Fiziologice (SRSF);
- 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-2018-28708 - award for publishing in Neonatology in 2018 (red area/Q1 - first 25% in Pediatrics)
2. 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)
3. 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)
4. PN-II-RU-PRECISI-2015-9-10337 award for publishing in Frontiers in Aging Neuroscience in 2015 (red area/Q1 - first 25% in Neuroscience)
5. PN-II-RU-PRECISI-2015-9-10334 - award for publishing in Brain Research in 2015 (yellow area, Q2 - between 25-50% in Neuroscience)
6. 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 Zăgrea, Daniela Popa. 9th Conference of the National Neuroscience Society of Romania (SNN), Bucharest, 18-20 October 2018.
7. 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., Zagrea, L., Zagrea, A.M., 30th National Conference of Physiology – Integrative Physiology, from Fundamental Mechanisms to Biomedical Applications, 27-29 September 2018, Cluj-Napoca, Romania
8. 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, M.I., Grigoras, I.F., Chitimus, D.M., Haret, R., Ionescu, B., Ianos, B., Ceanga, M., Zagrea, L., Zagrea, A.M., The 29th National Conference of the Romanian Society of Physiological Sciences with international attendance, May 25-27, 2017, Timisoara, Romania
 9. 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 Zagrea. Carol Davila University and Pharmacy National Congress, May 29-31, 2017, Bucharest, Romania,
 10. 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., Zagrea, L., Zagrea, A.M. at the 8th Conference of the National Neuroscience Society of Romania, 19-21 October, 2017, Craiova, Romania.
 11. Premiu pentru prezentarea orală "Circadian rhythm and melatonin involvement in fetal development", Diana Chitimus, Suzana Voiculescu, Ana-Maria Zagrea. Conference of the National Neuroscience Society of Romania SNN2017, 19-21 October 2017, Craiova, Romania,
 12. 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, Zagrea AM, Zagrea L and Moldovan M, Seminar of the European College of Neuropsychopharmacology (ECNP) 2017, Tâncăbești, România, 3-5 November 2017
 13. 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., Zagrea, L., Zagrea, A.M.
 14. 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, Zagrea AM, Zagrea L and Moldovan M., 6th Conference of the National Neuroscience Society of Romania „Neuroplasticity in health and disease”, Bucharest, October 29-31, 2015.
 15. 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, Zagrea AM, Zagrea L and Moldovan M. 4th Conference of the National Neuroscience Society of Romania, 17-19 October 2013, Bucharest, Romania.
 16. Premiul *Gheorghe Marinescu* al Societății Naționale de Neuroștiințe pentru contribuțiile deosebite la dezvoltarea Neuroștiințelor în România, Octombrie 2012.
 17. 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 Zagrea, Leon Zagrea. Al 2-lea Simpozion SNN, Iasi, 13-14 May 2005
 18. Premiul Editurii Universitare "Carol Davila" București, 2003, în Domeniul Științe Biomedicale, pentru cartea "Neuroștiințe. Principii Fundamentale", Leon Zăgrea, Mihai Moldovan, Ana-Maria Zagrea, Dragos A. Nita, Daniela Popa, Radu Braga. Editura Universitară "Carol Davila" București, Cod ISBN 973-8047-67-6.
 19. Premiul Colegiului Medicilor din România pentru cea mai bună carte publicată în domeniul specialităților preclinice în anul 2002 pentru "Neuroștiințe. Principii Fundamentale", Leon Zăgrea, Mihai Moldovan, Ana-Maria Zagrea, Dragos A. Nita, Daniela Popa, Radu Braga. Editura Universitară "Carol Davila" București, Cod ISBN 973-8047-67-6 (AM Zagrea, autor unic pentru capitolele 7 și 8).
 20. 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, Zagrea 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 = 8 (WoS Core Collection), 9 (Scopus) and 10 (Google Scholar)
 Citations: 272 (WoS Core Collection), 512 (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 Zagrea**, Diana Maria Chitimus, Corin Badiu, Anca Maria Panaitescu, Gheorghe Peltecu, Leon Zagrea. 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 Zagrea**, 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 Zagrea**. 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 ISBN: 9780128148235
4. Blood-Brain Barrier and Cognitive Function. **Ana-Maria Zagrea**, Bogdan Ianosi, Cosmin Sonea, Ioan Opris, and Leon Zagrea. 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 Zagrea**, Leon Zagrea, 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. Zagrea**, E. Petcu, L. Mogoanta, L. Zagrea, 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 Zăgrea**, Anca Maria Panaitescu, Denise Carmen Mihaela Zahiu, Leon Zăgrea, 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
2. Fiziologie Lucrări Practice: Fiziologia sângelui. Fiziologia respirației. Fiziologia renală, Echilibrul acido-bazic. Editura Universitară "Carol Davila" București, **2012**. ISBN – 9789737086211, **Ana-Maria Zagrea**, coautor: Capitol Fiziologia Respirației.
3. Fiziologia Respirației. Lucrări Practice. **Zagrea A-M.**, Bubuianu A., Braga R. Editura Universitară "Carol Davila" București, **2007**. ISBN: 978-973-708-190-2. Prim autor.
4. Neuroștiințe. Principii Fundamentale, Leon Zăgrea et al., Editura Universitară "Carol Davila" București, **2002**, Cod ISBN 973-8047-67-6. **Ana-Maria Zăgrea**, autor unic al capitolului 7 – "Circulația Cerebrală" și al capitolului 8 – "Metabolismul Energetic Cerebral", pag. 209 – 284.
5. Elemente de Neurobiologie, Leon Zăgrea et al., **1996**, Editura Universitară "Carol Davila" București, ISBN 973-97350-3-7. Ana-Maria Zăgrea, 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. 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**
2. **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**
3. 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 de UEFISCDI pentru publicarea în reviste aflate în zona roșie (Q1).**
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