Date of birth: February 26, 1956.
Nationality: German; Romanian

Education:
1976-1981 **Diploma** in Biochemistry, University of Bucharest, Romania
1988–1990 **PhD** in Biochemistry Institute of Biochemistry, University of Karlsruhe, Germany
1990-1991**: Postdoc**, Ethel Percy Andrus Gerontology Center, University of Southern California, Los Angeles, USA
2004: **Habilitation** in Internal Medicine and Experimental Neurology, Medical Faculties of Erlangen-Nuerenberg and Greifswald, Germany

Positions held:
1987-1990 **Research Assistant,** Insitute of Organic Chemistry, University of Karlsruhe, Germany
1990–1991 **Research Assistant** Ethel Percy Andrus Gerontology Center, University of Southern California
1991-1995 **Assistant Professor**, Institute of Gerontology, Medical Faculty Erlangen-Nurenberg
1996-1998 **Laboratory Head**, Clinic of Neurology, Medical University, Greifswald
1999–2004 **Associate Professor** of Neurobiology, Clinic of Neurology, Medical University, Greifswald, Ernst-Moritz-Arndt University, Greifswald.
2004-2012 **Professor of Experimental Neurology** at the Department of Neurology and Head of the Research Department, Medical University, Greifswald.
2008-present **Professor of Patobiochemistry**, University of Medicine and Pharmacy, Craiova, Romania.
2012-2016 **Professor of Experimental Neurology** at the Department of Psychiatry and Head of the Research Laboratory, University of Medicine, Rostock, Germany.
Since 2016 **Professor of Experimental Neurology** at the Department of Neurology, University of Medicine, Essen, Germany.

Chief Editor: *Journal of Aging and Restorative Medicine*
Membership in editorial committees
Associate Editor*:*
BMC Geriatrics (London)
Frontiers Ageing Neuroscience
Frontiers in Neuroscience

Member of the Editorial Board*:*
“Vascular Cell”
„Oxidative Medicine and Cellular Longevity"
“Current Neurovascular Research”
“Current Aging Science”
“Aging Research”
“Reviews in Health Care”
“Frontiers in Ageing Neuroscience”
“Frontiers in Alzheimers’ Disease”
“Biochemistry & Analytical Biochemistry”
"Romanian Journal of Morphology and Embryology";
“Reactive Oxigen Species”
“SRL Neurological Disorders“

"Current Research in Stem Cell and Regenerative Medicine"
"Medical Frontiers"

Reviewer for grant applications for:
Netherlands Organisation for Scientific Research
CURE Epilepsy (USA)
Irish Grant Agency
Swish Grant National Agency
Polish Grant Agency
Romania Grant Agency
Hong Kong Grant Agency
Hungarian Grant Agency
MRC (UK)

„International Advisory Board" Member, "*Society for the Study of Neuroprotection and Neuroplasticity*"
Honorary Membership, "*Serbian Association for anti-Aging Medicine*"
2012-2015 IBRO Board, Member of the Pan-European Regional Committee

Coordination/Networking activity
2008-2012 **Coordinator** of Neuroscience Research Programme at the Medical Faculty, Ernst-Moritz-Arndt University, Greifswald;
2010-2012 **Coordinator** of the platform "Molecular Imaging in Neuroscience" at the Medical Faculty, Ernst-Moritz-Arndt University, Greifswald. **Coordinator** of two FP7 projects, one focused on "Molecular mechanisms underyling neurorehabilitation after brain injuries" and the other one on "Molecular imaging in aging and neural repair"
Conference organizer: *Adult Brain regeneration after injuries. First International Workshop: March 25-27, 2010. Greifswald, Germania.*
Member of the Scientific Committee: *The 5th Conference of the National Neuroscience Society of Romania with an IBRO international symposium "From the neuron to the mind and beyond", Octombrie 2014, Bucuresti.*
The 4th Conference of the National Neuroscience Society of Romania with an IBRO international symposium „Abnormal brain conectivity", Octombrie 2013, Bucuresti.

Research interest and expertise
The aim my group is to unravel cellular and molecular mechanisms underlying aging progression and its significance for brain diseases. The group has a long-standing interest in molecular mechanisms of brain remodelling in the aged brain. My group has studied the plasticity of the aging brain in response to stimuli on a background of comorbidities for more than 15 years and to stroke injury for the last 10 years. Neuroinflammation is also at the core of our studies. Recently, we became interested in the treatment of stroke, experimentally, using hypothermia, caloric restriction and stem cells. Overall our results suggest that: (1) although older animals retain the potential for brain plasticity-related cytogenetic events after injury, the expression of key brain plasticity-associated genes and proteins is often attenuated and temporally altered; (2) an important cellular event associated with restricted axonal growth after stroke in aged animals is the early formation of a scar in the infarcted region; (3) Granulocyte-Colony Stimulating Factor lowers mortality and enhances neurogenesis in the brains of post-stroke aged animals; (4) vascular

wall reactivity is exacerbated in the post-stroke aged animals. (5)The aged brain can still respond to cellular therapies.

Expertise: aged animals models of cerebral ischemia; behavioral analysis; recording of EEG and various physiological parameters by telemetric measurements; MRI for small animals; immunohistochemical procedures, proteomics, genomics.

Recent GRANTS: 9
Amount: 7,2 millions EUROS

2008-2011
Neuroprotective effecst of hypothermia. An MRI study.
Grant agreement no: 0314107
Grant money: 3,05 millions Euro

2009-2012
FP7: Improvement of the research competitiveness in neuroscience at the Ernst Moritz Arndt University of Greifswald
Acronym: ImpactG
Grant agreement no.: *229750*
Grant money: 1,05 millions Euro

2009-2012
*M*ultimodal *A*pproaches for *R*egenerative *S*troke Therapies. Therapeutic benefit of bone marrow stem cells administered to aged rats after stroke**.**
Acronym: MARS
Grant agreement no: 01GN0982;
Grant money: 760.000 Euro

2010-2013
FP7: Improvement of the research competitiveness in molecular imaging at the Ernst Moritz Arndt University of Greifswald
Acronym: EnVision
Grant agreement no.: *264143*
Grant money: 2,15 millions Euro

2011-2014
Age-related deterioration of biological pathways and their significance for brain tissue regeneration and functional recuperation after stroke
Acronym: Regeneratome
Grant agreement no: PN-II-ID-PCE-2011-3-0848 IDEI
Grant money: 410.000 Euro

2012-2015
Cellular therapy of stroke
Acronym: CELEST
Grant agreement no: PCCA 80/2012
Grant money: 410.000 Euro

2011-2012 "Systemic regulatory mechanisms to cope with persistent energy excess in aging systems"

Grant agreement no: MOE 10/73
Grant money: 24.000 EURO

2016-2021 Horizont 2020 “Comorbid Conditions of ADHD (CORA)”
Grant Agreement no 667302
Grant money: 6 mil EURO

2017-2019 Restore cell balance in the aged brain after stroke by direct in vivo reprogramming technology (REPROSTROKE) PN-III-P4-ID-PCE-2016-0340. Funds: 185.000 Euro

Development of a novel stem cell-seeded hydrogel to support the recovery of brain structure and function after stroke (STEMSTROKE) PN-III-CERC-CO-PED-2016. Funds: 115.000 Euro

Leadership and Mentoring Skills
Invited to the EU sponsored ‘Next generation leaders in Biology of Aging’
for Master and PhD students; University of Bologna, Rimini Campus.
1) The Role of Aging in Cerebrovascular Disorder
2) Cellular Responses to Brain Injuries

Supervisor of:
20 PhD works

Learning and Teaching
1) Postgraduate lectures on Neurobiology of Ageing at the University of Medicine Greifswald, Germany
2) Currently teaching Pathobiochemistry for the English Section at the University of Medicine and Pharmacy Craiova, Romania

International visibility
Invited Lectures: 90, some are listed below

University of Southern California, Los Angeles, 1990
On the strategy of directed assembly and its relevance to ageing

International Centre of Genetic Engineering and
Biotechnology, Padriciano 99, 34012 Trieste, Italy (1991)
Differential Expression of Fibronectin and N-CAM mRNA Isoforms During Development and Aging of Rat Hippocampus.

World Congress of Gerontology, Budapest, 1993
Dynamics of Gene Expression for Fibronectin, GFAP, S100ß, Microtubule-Associated Protein MAP1B, Embryonic α-Tubulin and Late Neural ß-Tubulin mRNAs in the Brain of Aged Rats

Institut of Physiology, The University of Veterinary Medicine, Vienna, 1994

Dynamics of Gene Expression for Cytoskeletal Proteins mRNAs in the Brain of Aged Rats

University of Erlangen-Nurenberg, 1996
Pentylenetetrazole-Induced Seizure Upregulates Levels of Microtubule-Associated Protein 1B mRNA and Protein in the Hippocampus of Rat

Institut of Physiology, The University of Veterinary Medicine, Vienna, 1996
Pentylenetetrazole-Induced Seizure Upregulates Levels of Microtubule-Associated Protein 1B mRNA and Protein in the Hippocampus of Rat. Effects of aging.

University of Erlangen-Nurenberg, 1997
Beta*-Amyloid Peptide Immunoreactivity in the Aged Rat Brain Following Middle Cerebral Artery Occlusion*

University of Lund, Sweden, 1997
Evidence that V^+ Fibronectin, GFAP and S100ß mRNAs are Increased in the Hippocampus of Aged Rats

University of Erlangen-Nurenberg, 1998
Synaptic plasticity is preserved in the temporal cortex of 20-mo-old rats

University of Erlangen-Nurenberg, 1999
Increased Expression of Microtubule-Associated Protein 1B in the Hippocampus, Subiculum, and Perforant Path of Rats Treated with a High Dose of Pentylenetetrazole

University of Erlangen-Nurenberg, 2000
Upregulation of MAP1B and MAP2 in the Rat Brain Following Middle Cerebral Artery Occlusion: Effect of Age
Symposium on the Neurobiology and Neuroendocrinology of Aging. **Bregenz**, **Austria, 2002.**
Brain plasticity: to what extent do aged animals retain the capacity to coordinate gene activity in response to acute challenges

Faculty of Medicine, University of Heidelberg-Mannheim, 2002
Brain plasticity: to what extent do aged animals retain the capacity to coordinate gene activity in response to stroke and epileptic seizures

University of Heidelberg-Mannheim, 2003. German Society of Neurology
Kindling Status in Sprague-Dawley Rats Induced by Pentylenetetrazole: Involvement of a Critical Development Period

University of Erlangen-Nurenberg, Germany, 2003. German Society for Aging Research
1. *Functional rehabilitation after stroke. The role of scar, neurogenesis and age*
2. Premature appearance of proliferating cells in the aged brain following stroke

University of Erlangen-Nurenberg, Germany, 2004. German Society for Aging Research
Inhibition of inflammation after stroke improves the endogenous neurogenesis and functional recuperation after stroke.

University of Karlsruhe, Germany, 2005. German Society for Aging Research.

Neurorehabilitation after Stroke in Aged Rats: Role of Scar and Neurogenesis

University of Karlsruhe, Germany, 2006. German Society for Aging Research
The response of the aged brain to stroke: Too much, too soon?

Romanian Society for Cell Biology, **June 13th, 2006**
Cellular and Molecular Mechanisms underlying Neurorehabilitation after Stroke in Aged Rats

Bucharest, September 3rd, 2007. Romania. The 2nd International Conference of the National Neuroscience Society of Romania. *Cellular and molecular mechanisms of neurorehabilitation after stroke* ISBN[10]: 973-708-153-6

University of Lund, Sweden, 2007
Cellular and Molecular Mechanisms underlying Neurorehabilitation after Stroke in Aged Rats. Role of stem cells.

Medical School, University of West Virginia, Morgentown, USA, 2007
Cellular and Molecular Mechanisms underlying Neurorehabilitation after Stroke in Aged Rats. Role of hypothermia.

University of California at Los Angeles (UCLA), USA, 2007
Cellular and Molecular Mechanisms underlying Neurorehabilitation after Stroke in Aged Rats. Role of enriched environment.

University of Freiburg, Germany, 2007
Cellular and Molecular Mechanisms underlying Neurorehabilitation after Stroke in Aged Rats. Role of stem cells.

Bucharest, June 2-3, 2007, Romania
„Gheorghe Marinescu" Symposium of The National Neuroscience Society of Romania with international participation. *Molecular mechanisms underlying neurorehabilitation after stroke in aged animals*, ISBN 978-073-708-240-4

University of Magdeburg. Neuroscience Center, March 17, 2008
Cellular and Molecular Mechanisms underlying Neurorehabilitation after Stroke in Aged Rats

University of Chisinau, April 2008, Moldova. International Conference.
Temporal dynamics of degenerative and regenerative events associated with cerebral ischemia in aged rats.

Bucharest, May 30, Romania, 2008. Al IV-lea Simpozion al Societatii Nationale de Neurostiinte. *Cellular and molecular mechanism underlying post-stroke neurorehabilitation* ISBN 978-973-708-323-4

Cluj, Romania October 2008. International Workshop
Molecular strategies to improve neurorehabiliattion after stroke in aged rats

Cluj, Romania October 2008. International Workshop
Imaging in Neuroscience

Craiova, September 2008. International Workshop.
Gene expression signature in neuroscience

University of Hamburg, September 10, 2008. German Society of Neurology
*The enriched environment significantly improved the rate and extent of recovery in aged animals***.**

University of Karlsruhe, November 2008. German Society for Aging Research
Improvement of functional recuperation after stroke by enhanced neurogenesis

University of Regensburg, July 18th. Clinic of Neurology. International Workshop. *Strategies to improves recuperation after stroke in aged subjects*

Vienna, March 2009: 6th World Congress of Neurorehabilitation (WCNR2010): *Neurobiology of post-ischemic recuperation in the aged rodent brain*

Lund, September, 2009. The 3rd International Hypothermia Symposium**:** *Long-term hypothermia using H_2S acts neuroprotectively in aged rats after focal ischemia*.

Belgrade, Serbia, June 2010: Congress on Anti-Aging Medicine**:** *Stimulation of neurogenesis in aged subjects improves behavioural recuperation and tissue indices after stroke*

Eforie, Romania, June 2010: Society for the Study of Neuroprotection and Neuroplasticity: *Stimulation of neurogenesis in aged subjects improves behavioural recuperation and tissue indices after stroke*

Bucharest, Romania, September 2010: DIASPORA, Exploratory Workshop Meeting**:** *Transcriptomics of Stroke in Aged Rodents and its Relevance for Neurorehabilitation Strategies*

Mannheim, Germany, September 2010: German Society for Neurology
Improved functional recovery after stroke through enhancement of the endogenous neurogenesis in aged rats
Rostock, Germany, October 2010. 6th International Conference on Neuroprotection and Neurorepair**:** *Improved functional recovery after stroke through enhancement of the endogenous neurogenesis in aged rats*

Hamburg, Germany, May 2011. German Society for Neurology. *Improved functional recovery after stroke through enhancement of the endogenous neurogenesis in aged rats by G-CSF treatment.*

Belgrade, Serbia, June 2011. Congress on Anti-Aging Medicine**:** *Strategies to improve functional recovery after stroke through enhancement of the endogenous neurogenesis in aged rats*

Ulm, Germany, October 2011. Annual Meeting of the German Association for Aging Research. *Genomics of Stroke in Aged Rodents*

Rostock, Germany, **September 2011**: Bioinformatics in Aging Research: *Identification of new therapeutics targets by genome-wide analysis of gene expression in the ipsilateral cortex of aged rats after stroke*

Homburg, Germany, November 2011. Special lecture: *Strategies to improve functional recovery after stroke through enhancement of the endogenous neurogenesis in aged rats*
Potsdam, Germany, May 2012. International Conference on Neurorepair: *Multimodal Approaches for Regenerative Stroke Therapies (MARS)*

Belgrade, Serbia, May 2012. Congress on Anti-Aging Medicine**:** *Strategies to improve functional recovery after stroke through enhancement of the endogenous neurogenesis in aged rats*

Galway, August 2012, Ireland. Meeting of the European Aging Project, FLARE 2.
Animals Models of Aging

Rostock, September 6th, Germany. 4th Hanse Symposium.
Molecular Neuroscience: Bridging the Gap between Neurology and Psychiatry

IBRO Lecture, Bucharest, September 26, 2012. The 2nd International Conference of the National Neuroscience Society of Romania. *Identification of new therapeutic targets by stroketomics*.

Cluj, Romania, November 2nd, 2012. International Workshop
Cell therapy of stroke. From bench to clinical applications.

Dead See, March 2013, Israel. 8th European Congress of Biogerontology.
Multimodal approaches for regenerative stroke therapies. Role of the fibrotic scar.

Barcelona, April 9th, 2013, Spain. Clinic of Neurology. Special lecture:
Multimodal approaches for regenerative stroke therapies. Role of Hypothermia.

Cluj, May 29th, 2013, Romania. Erasmus-Exchange Programme.
1. *Neuroinflammation after stroke*
2. *Cell therapy of Stroke. Targeting endogenous neurogenesis*

IBRO Lecture, Bucharest, October 17th, 2014. The 3th International Conference of the National Neuroscience Society of Romania. „*Post-stroke depression and aging*"

Rimini, 2014. EU sponsored 'Next generation leaders in Biology of Aging'
for Master and PhD students; University of Bologna, Rimini Campus.
1) *The Role of Aging in Cerebrovascular Disorder*
2) *Cellular Responses to Brain Injuries*

Romanian Society for Morphology and Embryology, May, 2014**.** *Post-stroke angiogenesis. Role of inflammation*

Hermannstadt/Sibiu, June 2014. Annual Meeting of the European Association of Psychosomatic Medicine. *Poststroke depression: mechanisms, translation and therapy*

Nottingham University, October 2014. *Current Therapies of Stroke in Experiemental Models and Humans*

IBRO Lecture, Bucharest, October 24, 2014. The 4th International Conference of the National Neuroscience Society of Romania. *The Brain Reserve and Post-Stroke Depression in the Aged*

10.01.2015 Manchester Metropolitan University, UK
THERAPEUTIC STRATEGIES TO ENHANCE POSTSTROKE RECOVERY OF AGED BRAINS

03. 06.2015 BRAIN DAYS, CLUJ-NAPOCA, ROMANIA
Combination of granulocyte colony-stimulating factor with and
BM MSC and BM MNCs for stroke treatment in aged rats is not superior to G-CSF alone

05.06.2015 Romanian Society of Morphology, Craiova, Romania
THERAPEUTIC STRATEGIES TO ENHANCE POSTSTROKE RECOVERY OF AGED BRAINS

11.07.2015 "STEFAN ODOBLEJA", SYMPOSIA, TN. SEVERIN
MOLECUALR PSYCHAITRY: BRIDGE BETWEEN NEUROLOGY AND PSYCHAITRY

22.09.2015 GERMAN SOCIETY FOR NEUROLOGY, DUESSELDORF, GERMANY
CURRENT CELL THERAPIES OF STROKE IN AGED ANIMALS

25.09.2015 Society for Neuropsychopharmacology and Pharmacopsychaitry
Munich, Germany. *Molecular Psychiatry: Lighty therapy for ADHD Patients*

28.10.2015 ROMANIAN SOCIETY FOR NEUROSCIENCE, BUCHAREST, ROMANIA
The promise and pitfalls of cell therapy for stroke in the aged brain

07.11.2015 Romanian Society for Psychosomatics, Brasov, Romania.
Post-Stroke Depression: Models and Mechanisms

26.11.2015 GERMAN SOCIETY FOR PSYCHAITRY AND PSYCHOTHERAPY, BERLIN
Human dermal fibroblasts: a tool to study *in vitro* circadian rhythmicity in adult ADHD patients.

20.04.2016 9th Symposium on Neuroprotection and Neuroplasticity, Leipzig, Germany.
Is the aged brain microenvironment refractory to cell therapy?

13th International Symposium on Neurobiology and Neuroendocrinology of Aging. **Bregenz, Austria**, July 17, 2016. Stem cell therapies in preclinical models of stroke. Is the aged brain microenvironment refractory to cell therapy?

2nd International Conference on Aging and Disease, Stanford, California, USA. October 2, 2016. Stem cell therapies in preclinical models of stroke. Is the aged brain microenvironment refractory to cell therapy?

FENS Regional Meeting, 20.09.2017, Pecs, Hungary

Stem cell therapies for the aged brain after cerebral ischemia

14th International Symposium on Neurobiology and Neuroendocrinology of Aging. **Bregenz, Austria**, July 15-20, 2018. Caloric restriction stabilizes body weight and accelerates behavioral recovery in aged rats after focal ischemia.

Aging and Rejuvenation Conference, Rome, 10.09.2018. Stem cell therapies in preclinical models of stroke. Is the aged brain microenvironment refractory to cell therapy?

10th Symposium on Neuroprotection and Neuroplasticity, Dresden, 09.10.2018 Germany. Functional Recovery after cerebral ischemia. The age effect.

ISI PUBLICATIONS: 106
HIRSCH = 29; http://www.researcherid.com/rid/D-8193-2017

ISI PUBLICATIONS

119. R Surugiu, G Daniela, M Popescu, O Margaritescu, R Eugen, A **Popa-Wagner** (2018). Vasculature remodelling in a rat model of cerebral ischemia. The fate of the BrdU-labelled cells prior to stroke. *Front. Neurol*. **9**:1014. doi: 10.3389/fneur.2018.01014 (**IF=3.5**) ISSN: 1664-2295.

118. Zagrean A-M, Hermann DM, Opris I, Zagrean L and **Popa-Wagner** A (2018) Multicellular Crosstalk Between Exosomes and the Neurovascular Unit After Cerebral Ischemia. Therapeutic Implications. *Front. Neurosci*. **12**:811. doi: 10.3389/fnins.2018.00811 (**IF=3.5**) ISSN: 1664-3224.

117. Mundugaru R, Sivanesan S, **Popa-Wagner** A, Udaykumar P, Kirubagaran R, Kp G, Vidyadhara DJ. (2018) Pluchea lanceolata protects hippocampal neurons from endothelin-1 induced-ischemic injury to ameliorate cognitive deficits. *J Chem Neuroanat*. 94:75-85. doi: 10.1016/j.jchemneu.2018.09.002. PMID: 30273663. (**IF=2.1**).

116. Di Napoli M, Slevin M, **Popa-Wagner** A, Singh P, Lattanzi, Divani AA. (2018) Monomeric C-Reactive Protein and Cerebral Hemorrhage: From Bench to Bedside. *Front Immunol*. 2018 9:1921. doi: 10.3389/fimmu.2018.01921. eCollection 2018. (**IF=6.5**)

115. Al-Shahi Salman…..**Popa-Wagner**, A (2018). Absolute risk and predictors of the growth of acute spontaneous intracerebral haemorrhage: a systematic review and meta-analysis of individual patient data. *Lancet Neurol*. 2018 Oct;17(10):885-894. doi: 10.1016/S1474-4422(18)30253-9. (**IF = 10.8**)

114. Syed Shadab Raza, Wagner AP, Yawer S. Hussain and Mohsin Ali Khan (2018). Mechanisms underlying dental-derived stem cell-mediated neurorestoration in neurodegenerative disorders. *Stem Cell Research & Therapy* **9**:245. doi.org/10.1186/s13287-018-1005-z. PMID: 30257724 ISSN:2637-9589. (**IF = 5.3**).

113. Petcu EB, Midha R, McColl E, **Popa-Wagner** A, Chirila TV, Dalton PD. (2018) 3D printing strategies for peripheral nerve regeneration. *Biofabrication*. 10(3):032001. doi: 10.1088/1758-5090/aaaf50. (**IF = 6.83**)

112. **Popa-Wagner** A, Sandu RE, Cristin C, Uzoni A, Welle KA, Hryhorenko JR, Ghaemmaghami S. (2018) Increased Degradation Rates in the Components of the Mitochondrial Oxidative Phosphorylation Chain in the Cerebellum of Old Mice. *Front Aging Neurosci*. 10:32. doi: 10.3389/fnagi.2018.00032. eCollection 2018. (**IF = 4.6**)

111. Popa-Wagner A, Glavan DG, Olaru A, Olaru DG, Margaritescu O, Tica O, Surugiu R, Sandu RE. (2018) Present Status and Future Challenges of New Therapeutic Targets in Preclinical Models of Stroke in Aged Animals with/without Comorbidities. *Int J Mol Sci*. **19**(2). pii: E356. doi: 10.3390/ijms19020356. PMID: 29370078. ISSN: 1422-0067 (IF = 3.8)

110. Ciobanu O, Sandu RE, Balseanu AT, Zavaleanu A, Gresita A, Petcu EB, Uzoni A, and **Popa-Wagner** A. (2017) Caloric restriction stabilizes body weight and accelerates behavioural recovery in aged rats after focal ischemia. *Aging Cell*, 2017, 16(6):1394-1403. doi: 10.1111/acel.12678. (**IF = 6.7**).

109. Di Napoli M, Behrouz R, Topel CH, Misra V, Pomero F, Giraudo A, Pennati P, Masotti L, Schreuder FHBM, Staals J, Klijn CJM, Smith CJ, Parry-Jones AR, Slevin MA, Silver B, Willey JZ, Azarpazhooh MR, Vallejo JM, Nzwalo H, **Popa-Wagner** A, Godoy DA. (2017) Hypoalbuminemia, systemic inflammatory response syndrome, and functional outcome in intracerebral hemorrhage. *J Crit Care*. 2017 Jun 1;41:247-253. doi: 10.1016/j.jcrc.2017.06.002.

108. Behrouz R, Misra V, Godoy DA, Topel CH, Masotti L, Klijn CJ, Smith CJ, Parry-Jones AR, Slevin MA, Silver B, Willey JZ, Masjuán Vallejo J, Nzwalo H, **Popa-Wagner** A, Malek AR, Hafeez S, Di Napoli M. Clinical Course and Outcomes of Small Supratentorial Intracerebral Hematomas (2017). *J Stroke Cerebrovasc Dis*. pii: S1052-3057(17)30024-1. doi: 1016/j.jstrokecerebrovasdis.2017.01.010. **(IF = 3.0)**

107. **Popa-Wagner** A. The Role of Circadian Rhythms in Aging and ADHD (2016) *Fortschr Neurol Psychiatr*. 84(S 02):S77-S79. Epub 2016 Nov 2. **(IF = 0.36)**

106. Sandu RE, Balseanu A, Bogdan C, Slevin M, Petcu E, **Popa-Wagner** A. (2017) Stem cell therapies in preclinical models of stroke. Is the aged brain microenvironment refractory to cell therapy? *Exp Gerontol*. pii: S0531-5565(17)30029-3. doi: 10.1016/j.exger.2017.01.008. (IF = 3.6)

105. A **Popa-Wagner**, AM Buga (2016) Identification of New Therapeutic Targets for Cerebral Ischemia by Genome-Wide Analysis. *Biochem Anal Biochem*, 5:e162. (IF = 2.4).

104. Gaman AM, Uzoni A, **Popa-Wagner** A, Andrei A, Petcu EB. (2016). The Role of Oxidative Stress in Etiopathogenesis of Chemotherapy Induced Cognitive Impairment (CICI)-"Chemobrain". *Aging Dis*. 2016 May 27;7(3):307-17. doi: 10.14336/AD.2015.1022. eCollection 2016. (IF = 4.57).

103. Eugen B Petcu, K. Sherwood, A. **Popa-Wagner**, AM Buga, L. Aceti, Rodica I Miroiu. Artistic skills recovery and compensation in visual artists after stroke (2016). *Frontiers Neurology*, :76. doi: 10.3389/fneur.2016.00076. eCollection 2016. (IF = 3.1).

102. Ana-Maria Buga, Ovidiu Ciobanu, Catalin Bogdan, Ria Weston, Mark Slevin, Mario DiNapoli, Aurel **Popa-Wagner** (2016) Up-regulation of serotonin receptor 2B mRNA and protein in the peri-infarcted area of aged rats and stroke patients. *Oncotarget*, 7(14):17415-30. doi: 10.18632/oncotarget.8277 (IF = 6.4).

101. Uzoni A, Sandu RE, Mihai Moldovan, Ovidiu Ciobanu, Andrei Anghel, Eugen Radu, Andrew N. Coogan, and Aurel **Popa-Wagner**. (2016) Post-stroke gaseous hypothermia increases vascular density

in the ischemic penumbra of aged rats. *Rest. Neurol. Neurosci*. 34(3):401-14. doi: 10.3233/RNN-150600 (IF = 2.7).

100. Di Napoli M, Zha AM, Godoy DA, Masotti L, Schreuder FH, **Popa-Wagner** A, Behrouz R (2016); from the MNEMONICH Registry. Prior Cannabis Use Is Associated with Outcome after Intracerebral Hemorrhage. *Cerebrovasc Dis*. 41(5-6):248-255. (IF = 3.75).

99. Coogan Andrew N, Baird Alison L, **Popa-Wagner** Aurel, Thome Johannes (2016). Circadian rhythms and attention deficit hyperactivity disorder: The what, the when and the why. *Progress in Neuropsychopharmacol & Biol Psychiatry*, doi: 10.1016/j.pnpbp.2016.01.006 (IF = 3.7).

98. Raluca Elena Sandu, Ana-Maria Buga, Adrian Tudor Balseanu, Mihai Moldovan and Aurel **Popa-Wagner**. (2016) Twenty four hours hypothermia has temporary efficacy in reducing brain infarction and inflammation in aged rats. *Neurobiology of Aging*, 38:127-140. (IF = 5.3).

97. Behrouz R, Azarpazhooh MR, Godoy DA, Hoffmann MW, Masotti L, Parry-Jones AR, **Popa-Wagner** A, Schreuder FH, Slevin MA, Smith CJ, Di Napoli M (2015). MNEMONICH Steering Committee. The Multi-National survey on Epidemiology, Morbidity, and Outcomes iN Intracerebral Haemorrhage (MNEMONICH). *Int J Stroke*. 10:E86. doi: 10.1111/ijs.12629. PubMed PMID: 26745705. (IF = 3.8).

96. Slevin M, Matou S, Zeinolabediny Y, Corpas R, Weston R, Liu D, Boras E, Di Napoli M, Petcu E, Sarroca S, **Popa-Wagner** A, Love S, Font MA, Potempa LA, Al-Baradie R, Sanfeliu C, Revilla S, Badimon L, Krupinski J (2015). Monomeric C-reactive protein--a key molecule driving development of Alzheimer's disease associated with brain ischaemia? *Sci Rep*. 5:13281. doi: 10.1038/srep13281. PubMed PMID: 26335098; PubMed Central PMCID: PMC4558604. (IF = 5.6).

95. Sandu RE, Buga AM, Uzoni A, Petcu EB, **Popa-Wagner** A (2015). Neuroinflammation and comorbidities are frequently ignored factors in CNS pathology. *Neural Regen Res*. 10(9):1349-55. doi: 10.4103/1673-5374.165208. Review. PubMed PMID: 26604877; (IF = 0.22).

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II. BOOK CHAPTERS

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