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CURICULUM VITAE

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Studii gimnaziale și liceale: Liceul Teoretic „Fratii Buzesti", Craiova în perioada 1971-1973; bacalaureat: Liceul Teoretic Elena Cuza, în anul 1975.

Studii universitare: Facultatea de Biochimie, Universitatea din Bucuresti, în perioada 1976-1981; examen de stat: Facultatea de Biochimie, Universitatea din Bucuresti, în anul 1980- **Șef de promoție**.

TITLURI:

Didactice:

1988-1990 **Preparator** la Institutul de Chimie Organica, Catedra de Biochimie, Universitatea din Karlsruhe, Germania.

1991-1995 **Asistent universitar**, Clinica de Interne, Institutul pt Studiul Imbatranirii, Universitatea Erlangen-Nuerenberg, Germania.

1996-1998 **Asistent universitar**, Universitatea din Greifswald, Clinica de Neurologie, Germania

1999-2004 **Lector universitar**, Universitatea din Greifswald, Clinica de Neurologie, Germania

2004-2012 **Profesor universitar**, Universitatea din Greifswald, Clinica de Neurologie, Germania

2012-prezent **Profesor universitar**, Universitatea de Medicina Rostock, Clinica de Psihiatrie, Germania

2004-2009 **Profesor universitar asociat**, disciplina Biochimie, Universitatea de Medicina si Farmacie, Craiova

2009-prezent **Profesor universitar titular**, disciplina **Biochimie, Biochimia cavității orale,** Universitatea de Medicina si Farmacie, Craiova

Activitate didactică curentă:

- Curs biochimie medicina generala
- Curs biochimie, Facultatea de Medicina Dentara
- Conducator de lucrari de diploma la Facultatea de Medicina, Greifswald, Germania
- Conducator de lucrari de doctorat la Facultatea de Medicina, Greifswald, Germania

Științifice:

Doctor în Științe Naturale (PhD) în urma susținerii tezei "Sinteza de substrate nehidrolizabile de Miristoil-CoA. Caracterizare enzimatica utilizind enzima N-Miristoil-Transferase din drojdie" sub conducere Prof. Univ. dr. Janos Retéy, Facultatea de Stiinte Naturale, Instituul de Chimie Organica, Catedra de Biochimie, Universitatea din Karlsruhe, Germania.

Postdoctorand pe neurobiochimie la Universitatea din California de Sud, Los Angeles, USA

Doctor Docent/Habilitare in urma sustinerii tezei „Expresia Genetica si Plasticitatea Sistemului Nervos la Sobolanii Batrani" sub conducerea Prof. Univ. Dr. Med. Christof Kessler, Clinica de Neurologie, Facultatea de Medicina, Universitatea din Greifswald, Germania.

Calitatea de expert evaluator pentru granturi din Cehia, Irlanda de Nord si Anglia

FUNCȚII DEȚINUTE:

2006-și în prezent **Directorul Laboratorului de Neurobiologie Moleculara** din cadrul Clinicii de Neurologie, Facultatea de Medicina, Universitatea Ernst-Moritz-Arndt din Greifswald, Germania.

2004- si in prezent **Coordonator Program Erasmus/Leonardo** pe relatia cu Romania.

2008-2012 **Coordonator al Departamentului de Cercetare Neurostiinte** al Facultatii de Medicina din Greifswald, Germania.

2008-2012 **Coordonator cercetare psihiatrie moleculara, Universitatea de Medicina, Rostock**, Germania.

CURSURI DE PERFECȚIONARE

-Lector la cursurile:

1. *Gene expression signature in cancer.* Workshop. Universitatea de Medicina si Farmacie, Craiova, Septembrie 2008.
2. *Genomics in Neurosciences.* Workshop: Neurosciences: clinical applications of recent knowledge. Cluj-Napoca, 2008.
3. *Molecular Imaging.* Workshop al Societatii Romane de Morfologie, Craiova, 2008

-50 Prezentari orale de specialitate la universitati de prestigiu din USA, Franta, Anglia, Suedia, Elvetia, Austria, Italia

-Absolvent al cursurilor :

1. Folosirea Radioactivitatii in Cercetarea Biochimica, Kernforschungszentrum, Karlsruhe, 1989
2. Ingineria Genetica. Reguli de implementare in cercetare. Tübingen, 1994.

ACTIVITATE PUBLICISTICĂ:

- ❒ **4** capitole de carte ca autor principal
- ❒ **60** articole (49 prim autor sau autor principal): 51 articole ISI (48 prim autor sau autor principal); 5 în reviste recunoscute CNCSIS (autor principal).
- ❒ **Numeroase** lucrări publicate în rezumat (toate ca **prim autor**)
- ❒ **Citări: 422** în reviste ISI
- ❒ **Director de grant în** 7 proiecte in ultimii 5 ani din care unul director-coordonator de proiect FP7.

MEMBRU ÎN SOCIETĂŢI ŞTIINŢIFICE:

- ❒ Societatea Germana de Gerontologie;
- ❒ Societatea Romana de Neurostiinte
- ❒ Asociaţia Medicilor din Landul Mecklenburg-Vorpommern
  - ❒ **„International Advisory Board" Member**, *"Society for the Study of Neuroprotection and Neuroplasticity"*
  - ❒ **Honorary Membership**, *"Serbian Association for anti-Aging Medicine"*

ACTIVITATE EDITORIALA

Membru în colective editoriale

Member în comitetul editorial internaţional al „Oxidative Medicine and Cellular Longevity (cotată ISI \ Science din 2007). "Aging Research"
"Reviews in Health Care" (http://journals.edizioniseed.it/index.php/rhc)
"Romanian Journal of Morphology and Embryology"; "Clujul Medical"

Editor Asociat

- BMC Geriatrics

Evaluator ad-hoc pt urmatoarele reviste de prestigiu international (circa 50 de articole de evaluat/an)

- Brain Research
- Experimental Neurology
- Epilepsia
- Frontiers in Bioscience
- HISTOLOGY AND HISTOPATHOLOGY
- Journal Cerebral Blood Flow and Metabolism
- Journal Neurochemistry
- Neurobiology of Aging
- Neuroscience Letters
- Stroke

Evaluator granturi internationale

- Academia din Praga (Cehia)

- Agentia Nationala de Granturi, Edinburgh, Irlanda
- WellcomeTrust (Anglia)
- **Netherlands Organisation for Scientific Research (ALW2PJ/11098)**
- **CURE Epilepsy**
- **Irish Grant Agency**
- **Swiss Grant Agency**

VISITING PROFESOR la UMF Craiova din 24.04.2001

PREMII

- **NATO Award**: pt studii post-doctorale la Ethel Percy Andrus Gerontolgy Center, USC, Los Angeles, USA., 1990
- Rene Schubert Prize for Research on Ageing, 2001

BREVET DE INVENȚII: Aparat de analiza automata imunohistochimica. Nr DE 199 45 621 A1 din 2001

MEMBRU ÎN COMISII DE EXAMENE:

– *membru* în *comisiile de doctorat pe neurostiinte la Facultatea de Medicina din Greifswald, Germania*

– *membru invitat* în *comisiile de doctorat pe neurostiinte la UMF Craiova*

Data: 17.06.2012

Prof. Dr. Aurel Popa

ISI PUBLICATIONS

65. M Di Napoli, D A Godoy, V Campi, L Masotti, C J Smith, A P-Jones, S J Hopkins, M Slevin, F Papa, L Mogoanta, D Pirici, and Aurel Popa-Wagner. C-Reactive Protein After Intracerebral Hemorrhage. Time-course, Tissue Localization and Prognosis.
Neurology, in press

64. A-M Buga, R Vintilescu, A T Balseanu, O T Pop, C Streba , E Toescu, Aurel Popa-Wagner Repeated PTZ treatment at 25-day intervals leads to a highly efficient accumulation of doublecortin in the dorsal hippocampus of rats. *PLs ONE*, 2012, in press

63. Joseph C, Buga AM, Vintilescu R, Balseanu AT, Moldovan M, Junker H, Walker L,Lotze M, Popa-Wagner A. Prolonged gaseous hypothermia prevents the upregulation of phagocytosis-specific protein Annexin 1 and causes low-amplitude EEG activity in the aged rat brain after cerebral ischemia. *J Cereb Blood Flow Metab*. 2012 May 23. doi: 10.1038/jcbfm.2012.65. [Epub ahead of
print]

62. Loubinoux I, Kronenberg G, Endres M, Schumann-Bard P, Freret T, Filipkowski RK, Kaczmarek L, **Popa-Wagner** A. Poststroke depression: mechanisms, translation and therapy. *J Cell Mol Med*. 2012 Feb 20. doi: 10.1111/j.1582-4934.2012.01555.x. [Epub aheadof print]

61. Popa-Wagner A, Buga AM, Turner RC, Rosen CL, Toescu E.
Cerebrovascular disorders: role of aging.
J Aging Res. 2012; 2012:128146. Epub 2012 Mar 19.

60. Di Napoli M, Elkind MS, Godoy DA, Singh P, Papa F, Popa-Wagner A. Role of C-reactive protein in cerebrovascular disease: a critical review. *Expert Rev Cardiovasc Ther*. 2011 **9**:1565-84.

59. Pluta R, Jolkkonen J, Cuzzocrea S, Pedata F, Cechetto D, Popa-Wagner A. Cognitive Impairment with Vascular Impairment and Degeneration.
Curr Neurovasc Res. 2011 Oct 19. [Epub ahead of print]. **IF 3.25**

58. Anghel A, Taranu G, Seclaman E, Rata A, Tamas L, Moldovan H, Ursoniu S, Samoila C, Ionac M, and Popa-Wagner A (2011). Efficiency and safety of vascular endothelial and hepatocyte growth factors gene therapy in patients with critical limb ischemia.
Curr. Neurovasc. Res. **8**:183-9. **IF 3.25**

57. Di Napoli M, Godoy DA, Campi V, Del Valle M, Piñero G, Mirofsky M, **Popa-Wagner** A, Masotti L, Papa F, Rabinstein AA (2011). C-reactive protein level measurement improves mortality prediction when added to the spontaneous intracerebral hemorrhage score.
Stroke **42**:1230-1236. **IF 6.49**

56. A-M Buga, R Vintilescu, O T Pop and A **Popa–Wagner** (2011) Brain Aging and Regeneration after Injuries: an Organismal approach. *Aging and Disease*, **2**: 64-79.

55. A. **Popa-Wagner**, A-M. Buga and Z. Kokaia (2011) Perturbed Cellular Response to Brain Injury During Aging. *Aging Research Reviews*, 10:71-9. **IF = 6.5**

54. **Popa-Wagner** A, Pirici D, Petcu EP, Mogoanta A, **Ana-Maria Buga**, Rosen, CL, Leon R and Jason D. Huber. Pathophysiology of the Vascular Wall and its Relevance for Cerebrovascular Disorders in Aged Rodents. *Curr. Neurovasc. Res.* **7**: 251-267, 2010. **IF 3.25**

53. M Moldovan, AO Constantinescu, A Balseanu, L Zagrean, A **Popa-Wagner** (2010) Sleep deprivation attenuates experimental stroke severity in rats. *Exp. Neurology*, **222**:135-143.
IF 4.28

52. Popa-Wagner, K. Stocker, A. Balseanu, A. Rogalewski, K. Diederich, J. Minnerup, C. Margaritescu, W.-R. Schabitz (2010) Effects of Granulocyte-Colony Stimulating Factor after stroke in aged rats. *Stroke*, 41:1027-1031. **IF 6.49**

51. Carapancea M, Alexandru O, Fetea AS, Dragutescu L, Castro J, Georgescu A, **Popa-Wagner** A, Bäcklund ML, Lewensohn R, Dricu A. (2009) Growth factor receptors signaling in glioblastoma cells: therapeutic implications. *J Neurooncol*. **92**:137-47. **IF 2.82**

50. Eugen Bogdan Petcu, Thomas Kocher, Alexander Kuhr, Ana-Maria Buga, James G. Herndon, Christof Kessler and Aurel **Popa-Wagner** (2008). Mild systemic inflammation has a neuroprotective effect after stroke in rats. *Current Neurovascular Research*, 5: 214-222. **IF 3.25**

49. Baltromejus F, Vintilescu R, Balseanu AT, Buga AM, Grisk O, Walker LC, Kessler C, and **Popa-Wagner A** (2008). Long-term hypothermia reduces infarct volume in aged rats after focal ischemia. *Neurosci. Letters* **438:**180–185. **IF 2.5**

48. Buga AM, Sascau M, Herndon JG, Kessler K and **Popa-Wagner A** (2008) The genomic response of the contralateral cortex to stroke is diminished in the aged rats. *J. Cell. Mol. Med.* **12**: 2731-2753 **IF 6.807**

47. Petcu EB, Sfredel V, Platt D, Herndon JG, Kessler C, **Popa-Wagner** A (2008) Cellular and molecular events underlying the dysregulated response of the aged brain to stroke: a mini-review. *Gerontology* 54:6-17. **IF 1.70**

46. Junker H, Suofu Y, Venz S, Sascau S, Herndon JG, Kessler C, Walther R, and **Popa-Wagner** A (2007). Proteomic identification of an upregulated isoform of Annexin A3 in the rat brain following reversible cerebral ischemia. *Glia*, 55: 1630-1637. **IF 5.4**

45. Buchhold, B, Mogoanta L, Suofu Y, Hamm A, Walker L, Kessler C, **Popa-Wagner, A** (2007) Environmental enrichment improves functional and neuropathological indices following stroke in young and aged rats. *Restorative Neurol. Neurosci.* 25: 1–18. **IF 2.415**

44. Popa-Wagner, Carmichael, ST, Kokaia, Z , and Walker, LC (2007) The response of the aged brain to stroke: Too much, too soon? *Current Neurovascular Research* 4:216-277. **IF 3.5**

43. Popa-Wagner A, Badan I, Walker L, Groppa S, Patrana N, Kessler, Ch (2007). Accelerated infarct development, cytogenesis and apoptosis following transient cerebral ischemia in aged rats. *Acta Neuropathol.* (Berlin), 113:277-293. **IF 5.31**

42. P. Dazert, Y. Suofu, M. Grube, A. **Popa-Wagner**, H.K. Kroemer, G. Jedlitschky and C. Kessler (2006). Differential Regulation of Transport Proteins in the Periinfarct Region Following Reversible Middle Cerebral Artery Occlusion in Rats. *Neuroscience* 142: 1071-1079. **IF 3.352**

41. A. **Popa-Wagner**, I. Dinca, S. Yalikun, L. Walker, H. Kroemer and Ch. Kessler. (2006) Accelerated delimitation of the infarct zone by capillary-derived nestin-positive cells in aged rats. *Current Neurovascular Research* **3**, 3-13. **IF 3.5**

40. Junkers, H., Späthe, K., Walther, R., Walker, L., Schwarz, G., Kramer, W., Nordheim, A. Kessler, Ch. and **Popa-Wagner**, A. (2005). Proteomic identification of a modified form of the Rieske iron-sulfur protein following seizure. *Epilepsia*, 46:339-343. **IF 3.73**

39. Schmoll, H., S. Ramboiu, I.Badan, D. Platt, JG Herndon, Ch. Kessler and A. **Popa-Wagner** (2005) Age influences on the expression of GAP-43 in the rat hippocampus following seizure. *Gerontology*, 51: 215-224. **IF 1.70**

38. Kuhr A, **Popa-Wagner** A, Schmoll H F, Schwahn C, Kocher T. (2004) Observations on experimental marginal periodontitis in rats. *J Periodontal Res*. **39**:101-106. **IF 2.146**

37. Badan, I. Dinca, I, Buchhold, B, Suofu, Y, Walker, L, Kessler, Ch, **Popa-Wagner**, A (2004). Accelerated accumulation of N- and C-terminal βAPP fragments and delayed recovery of MAP1B expression following stroke in aged rats. *Eur. J. Neurosci*., **19**: 2270-2280. **IF 4.68**

36. Schmoll, H., Badan, I., Walker, L., Kessler, Ch., and **Popa-Wagner, A.** (2003) Kindling status in Sprague-Dawley rats induced by pentylenetetrazole: involvement of a critical development period. *Am. J. Pathol.*, **162**: 1027-1034. **IF 5.487**

35. Schroeder, E., S. Vogelgesang, A. **Popa-Wagner**, Ch. Kessler (2003).Neurofilament expression in the rat brain after cerebral infarction: effect of age. *Neurobiol. Aging* **24**: 135-145. **IF 5.607**

34. Badan I, Buchhold B, Walker L, Graz L, Kessler Ch, A. **Popa-Wagner** (2003). Accelerated glial reactivity to stroke in aged rats correlates with reduced functional activity. *J. Cereb. Blood Flow Metab*. **23**: 845-854. **IF 5.147**

33. Badan, I, D. Platt, Ch. Kessler, A. **Popa-Wagner** (2003).Temporal Dynamics of Degenerative and Regenerative Events Associated with Cerebral Ischemia in Aged Rats. *Gerontology*, **49**: 356-365. **IF 1.358**

32. Schmoll H, Badan I, Fischer B, and A. **Popa Wagner** (2001) Dynamics of gene expression for immediate early- and late genes after seizure activity in aged rats.
Arch. Gerontol. Geriatrics 32: 199-218. **IF 1.289**

31. Popa-Wagner, A., H.Schmoll, D. Platt, and C. Kessler (2000). Brain plasticity: to what extent do aged animals retain the capacity to coordinate gene activity in response to acute challenges. *Exp. Gerontol*. **35**: 1211-1227. **IF 2.879**

30. Popa Wagner, A., B. Fischer, D. Platt, H. Schmoll, and C. Kessler (2000) Delayed and blunted induction of the mRNA for tissue plasminogen activator in the brain of old rats following pentylenetetrazole-induced seizure activity. *J. Gerontology*, **55**: B242-B248. **IF 2.932**

29. Popa-Wagner, A., Fischer B, Schmoll H, Platt D, and Kessler, C.(1999) Anomalous Expression of Microtubule-Associated Protein 1B in the Hippocampus and Cortex of Aged Rats Treated with Pentylenetetrazole. *Neuroscience*, **94**: 395-403. **IF 7.5**

28. Popa-Wagner, A., E. Schröder, H. Schmoll1, L.C. Walker, and Ch. Kessler (1999) Upregulation of MAP1B and MAP2 in the Rat Brain Following Middle Cerebral Artery Occlusion: Effect of Age. *J. Cereb. Blood Flow Met*., 19: 425-434. **IF 5.147**

27. A.**Popa-Wagner**, E. Schröder, L.C. Walker, Ch. Kessler (1998). ß-Amyloid Precursor Protein and Aß Peptide Immunoreactivity in the Rat Brain Following Middle Cerebral Artery Occlusion: Effect of Age. *Stroke*, 29: 2196-2202. **IF 6.296**

26. A. **Popa Wagner**, B. Fischer, H. Schmoll, D. Platt and C. Kessler (1998) Altered Expression of Microtubule-Associated Protein 1B in Cerebral Cortical Structures of Pentylenetetrazole-Treated Rats. *J. Neurosci. Res*., **51**: 646-657. **IF 3.268**

25. Popa-Wagner A, Fischer B, Schmoll H, Platt D, Kessler C (1997) Increased Expression of Microtubule-Associated Protein 1B in the Hippocampus, Subiculum, and Perforant Path of Rats Treated with a High Dose of Pentylenetetrazole. *Exp. Neurol* . **148**: 73-82, 1997. **IF 3.982**

24. Fischer, B. and A. **Popa-Wagner** (1997) Synaptic plasticity is preserved in the temporal cortex of 20-mo-old rats. *Arch. Gerontol. Geriatrics* **25**: 27-39. **IF 1.289**

23. Dorner, H., Fischer, B., Kessler, C., Platt, D., and **Popa-Wagner**, A. (1996) V^+ Fibronectin mRNA is increased in the brain of aged rats: Effect of food restriction. *Brain Res.* **726**:198-206 IF **2.218**