

<b>Personal details and contact information</b>	<p style="text-align: right;"><b>Ioannis A Mavroudis</b></p> <p style="text-align: right;">i.mavroudis@nhs.net</p> <p style="text-align: right;">89 Carr Manor Avenue, Leeds, UK, LS17 5BL</p>
<b>Registrations</b>	<p><b>2016:</b> Registration as a Medical Practitioner with Specialist Registration. GMC Reference number: 7123291</p> <p><b>2009:</b> Medical Association of Thessaloniki, Greece. Register No. 18897</p>
<b>Memberships</b>	<p><b>2020:</b> Royal College of Physicians (254393)</p> <p><b>2017:</b> British Neuropathological Association</p> <p><b>2015:</b> Member of the Hellenic Neurological Society</p> <p><b>2013:</b> Member of the American Association for the Advancement of Science (AAAS number: 40707784)</p>
<b>Certificates and Qualifications</b>	<p><b>2021:</b> Diploma in Criminology</p> <p><b>2017:</b> Participated in the National Neuropathology External Quality Assessment Scheme, including circulations EQA 48 and 49</p> <p><b>2015:</b> Certificate of Completion of Specialty Training in Neurology</p> <p><b>2013:</b> PhD in Neurology and Neuromorphology</p> <p><b>2012:</b> Good Clinical Practice and Regulatory Requirements for Clinical Trials, Cambridge University Hospitals, NHS Foundation Trust</p> <p><b>2004:</b> License to Practice as Medical Doctor, Protocol Number: 10/4379</p> <p><b>2004:</b> Medical degree from the Aristotle University of Thessaloniki,</p>
<b>Employment history</b>	<p><b>October 2017-Today:</b> Consultant Neurologist, Leeds General Infirmary, Leeds, UK with special interest in motor neurone disease, neuromuscular disorders, traumatic brain injuries and cognitive disorders. I do four clinics weekly, I do ward rounds and I do oncalls for neurology. I also teach registrars and medical students.</p> <p><b>January 2021-Today:</b> Honorary Senior Lecturer, Faculty of Medicine, Leeds University, and Visiting Assistant professor of Neurology, Aristotle University of</p>

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Thessaloniki, Greece

**August 2019 – Today:** Expert witness services. I have completed numerous reports for medicolegal cases, and I have given evidence to the Court

**August 2019 – Today:** Medical Director at Sigma-Pi Healthcare LTD

**October 2018- October 2019:** Visiting Assistant Professor of Neurology, University of Cyprus. I taught clinical neurology to 4<sup>th</sup> and 5<sup>th</sup> year medical students.

**September 2016- September 2017:** Visiting Lecturer, University of Leeds, School of Medicine, Institute of Cancer and Pathology, Leeds, UK. I participated in the teaching of the course “Mechanisms of disease”.

**August 2016- October 2017:** Specialty Registrar in Diagnostic Neuropathology, Saint James's Hospital, Leeds, UK. I did multiple brain post-mortem examinations, autopsies and I reported muscle and brain biopsies.

**February 2016-August 2016:** Specialist Registrar in Neurology, Aberdeen Royal Infirmary Hospital, Aberdeen, Scotland, UK. I was doing on calls for neurology, neurosurgery and spinal surgery, I was doing two outpatient clinics weekly, and ward rounds.

**August 2011- February 2016:** Resident in Neurology, 3rd Department of Neurology, General Hospital “G. Papanikolaou”, Aristotle University of Thessaloniki, Greece. I was doing ward rounds every day, on call shifts for neurology and stroke every four days, I was teaching medical students. I also did 9 months of neurophysiology.

**February 2010- August 2011:** Resident in Psychiatry, Department of Psychiatry, General Hospital “G. Papanikolaou, Thessaloniki, Greece. Outpatient clinics in psychiatry and on-call shifts for acute psychiatry.

**February 2009- December 2010:** Resident in Internal Medicine, Department of General Medicine, Psychiatric Hospital of Thessaloniki. Ward rounds, on-call shifts and outpatient clinics.

**August 2007-May 2008:** Served as a medical doctor in the Greek Army. I was doing a daily clinic for soldiers and officers, I completed the training for the special forces, and I was also doing on-call shifts for the army hospital.

**May 2006-August 2006:** Resident in General Surgery,

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	<p>Department of General Surgery, General Hospital of Polygyros, Halkidiki, Greece. Ward rounds, outpatient clinics, and I also participated in a number of operations.</p> <p><b>March 2005-May 2006:</b> Served as General Practitioner in the Health Center of Agios Nikolaos, Halkidiki, Greece. I was doing a daily general outpatient clinic, and a number of on-call shifts.</p>
<b>Research Experience</b>	<p><b>2018-Today:</b> Principal Investigator on National Clinical Trials on Movement Disorders and MND</p> <p><b>2013-2015:</b> Post-Doc Research Fellow, Laboratory of Neuropathology and Electron Microscopy, Aristotle University of Thessaloniki, Greece</p> <p><b>2005-2013:</b> Research Fellow, Laboratory of Neuropathology and Electron Microscopy, Aristotle University of Thessaloniki, Greece</p>
<b>Collaborations</b>	<p><b>2016:</b> Laboratory of Translational Neurosciences, University of Aberdeen, UK</p> <p><b>2009-2015:</b> Universitatea Alexandru Ioan Cuza Iasi, Facultatea de Biologie, Laboratorul de Fiziologie animală, B 129, Romania</p> <p><b>2006-2015:</b> Laboratory of Forensic Medicine and Toxicology, Aristotle University of Thessaloniki, Greece</p>
<b>Honours and Awards</b>	<p><b>2018:</b> Appointed as an Honorary International Member of the Romanian Academy of Science</p> <p><b>2017:</b> 12000 GBP Grant for the program HEE Genomics Education Programme Health Education, West Midlands</p> <p><b>2013:</b> Participated in the AAAS/ Science Program for Excellence in Science and rewarded with a two-year sponsored subscription to the digital version of Science magazine and AAAS Membership</p> <p><b>2011:</b> First Poster Prize in the 9th International Congress for the Amelioration of the Quality of Life in Chronic Neurological Diseases, Athens 27-30 January 2011, for the poster titled «Morphological and morphometric alterations of the neurons of Edinger and Westphal nucleus in Alzheimer's disease»</p> <p><b>2011:</b> Who is Who in Medicine and Healthcare 2011-2012 (8th Edition) published in October 2011</p> <p><b>2009:</b> First Poster Prize in the 7 th International Congress</p>

	<p>for the Amelioration of the Quality of Life in Chronic Neurological Diseases, Thessaloniki 29 th of January- 2 nd of February 2009, for the poster titled «Vascular Pathology is Related to Neurofibrillary Degeneration and Synaptic Loss in Alzheimer’s disease»</p> <p><b>2008:</b> First Poster Prize in the 1 st Greek Nationwide Congress on the Medical and Social amelioration of Dementias, Litochoro Pierias 10-12 October 2008, for the poster titled «Dendritic and alterations of the human Visual cortex in Alzheimer’s disease»</p> <p><b>2008:</b> First Poster Prize in the 6th International Congress on the Improvement of the Quality of Life on Dementia, Parkinson’s disease, Epilepsy, MS and Muscular disorders Marseille France 26-30 January 2008, for the poster titled «Morphological changes of the human Purkinje cells and deposition of neuritic plaques and neurofibrillary tangles of the cerebellar cortex in Alzheimer’s disease»</p>
<p><b>Education and Training</b></p>	<p><b>2022:</b> Attending Diploma in Forensic Medicine</p> <p><b>2021:</b> Diploma in Criminology</p> <p><b>2018:</b> Certificate of Participation to educational supervisors training</p> <p><b>2016:</b> How to Teach and Learn, August 2016, Venue: Leeds Institute of Pathology (LIMM, Leeds University)</p> <p><b>2013 - 2014:</b> Post-Graduate Seminars in Neurology by Professor SJ Baloyannis, Institute for Alzheimer’s disease research, Heraklion Langada, Greece</p> <p><b>2009-2013:</b> PhD in Neuromorphology, Laboratory of Neuropathology and Electron Microscopy, Aristotle University of Thessaloniki, Greece. Thesis: The Cytoarchitecture of Colliculi, Geniculate bodies, Visual and Acoustic cortex in normal ageing and In Alzheimer’s disease. Supervisor: Professor S.J. Baloyannis, Accepted with Highest Honours (Maxima Cum Laude)</p> <p><b>2012:</b> Educational Seminars on Clinical Trials in Neurology, Cambridge University Hospitals, NHS Foundation Trust and Institute for Prevention, Education and Research for Neurological Diseases</p> <p><b>1998-2004:</b> School of Medicine, Aristotle University of Thessaloniki, Greece</p>
<p><b>Teaching Experience</b></p>	<p><b>2018-Today:</b> Teaching Neurology, University of Cyprus,</p>

	<p>Aristotle University of Thessaloniki, and Leeds University</p> <p><b>2018:</b> Teaching functional neuroanatomy, muscle biopsies and muscle diseases and neurology in pregnancy, Department of Neurology, Leeds General Infirmary, Leeds, UK</p> <p><b>2016-2017:</b> Teaching the Course Mechanisms of Disease, University of Leeds, School of Medicine, Institute of Cancer and Pathology, Leeds, UK</p> <p><b>2007-2015:</b> Brain Sectioning, Neuropathology and Neuromorphology methods, Laboratory of Neuropathology and Electron Microscopy, Aristotle University of Thessaloniki, Greece</p> <p><b>2011-2012 and 2012-2013:</b> Neurology and Psychiatry at the Nursing School of G Hospital G. Papanikolaou, Thessaloniki, Greece</p> <p><b>2012:</b> Brain Sectioning and Neuropsychology at the School of Psychology, Aristotle University of Thessaloniki, Greece</p> <p><b>2009-2011:</b> Neuroscience and Biochemistry at the Private Educational Organization Learn-It, Thessaloniki, Greece</p>
<p><b>Audits and Poster Presentations</b></p>	<p>Invited Lecture on Gut microflora and Parkinson's disease. Matt Tanti &amp; Ioannis Mavroudis, Regional Academic Meeting, Department of Neuroscience, Leeds, UK</p> <p>Invited Lecture on Neuropathology and Imaging of Essential Tremor, Regional Academic Meeting, Department of Neuroscience, Leeds, UK</p> <p>Invited Lecture on Silver staining methods in Neurocytology; Institute of Medical Sciences, University of Aberdeen, UK</p> <p>Invited speaker at the International Conference on Humanities and Social Sciences Today. Classical and Contemporary Issues, by the Romanian Academy, May 2015 Iasi, Romania</p> <p>Chairperson in the 2nd Congress on Controversies in Neurology, October 2008, Athens, Greece</p> <p>Multiple Audits in Greece Nationwide congresses</p> <p>Multiple Poster Presentations in Greece Nationwide and International Congresses</p>
<p><b>Reviewer in Medical Journals</b></p>	<ol style="list-style-type: none"> <li>1. Annals of Neurology</li> <li>2. Brain Research</li> </ol>

	<ol style="list-style-type: none"> <li>3. American Journal of Alzheimer's disease and other Dementias</li> <li>4. Folia Neuropathologica</li> <li>5. Journal of Applied Neurobiology</li> <li>6. International Journal of Neuroscience</li> <li>7. Psychiatria Danubina</li> <li>8. Neural Regeneration Research</li> <li>9. Current Alzheimer Research</li> <li>10. JSM Schizophrenia</li> <li>11. Journal of Neuroscience Methods</li> <li>12. Current updates in Aging</li> <li>13. Frontiers Aging Neuroscience</li> <li>14. Journal of Mood Disorders and Therapy</li> <li>15. Brain and Behaviour</li> <li>16. European Journal of Neurology</li> </ol>
<b>Editorial Boards Memberships</b>	<ol style="list-style-type: none"> <li>1. SRL Alzheimer's &amp; Parkinson's Disease journal</li> <li>2. ARC Journal of Neuroscience (AJNS)</li> <li>3. Annals of the Academy of Romanian Scientists</li> <li>4. Current Updates in Aging</li> <li>5. Adolescent Psychiatry (APS)</li> <li>6. EC neurology</li> <li>7. American Research Journal of Neurology</li> </ol>
<b>Peer Reviewed Publications</b>	<p>Ioannis Mavroudis Dimitrios Kazis Foivos Petridis Simela Chatzikonstantinou Eleni Karantali Samuel N. Njau Vasiliki Costa Alin Ciobica Constantin Trus Ioana Miruna Balmus Stavros J. Baloyannis. Morphological and morphometric changes in the Purkinje cells of patients with essential tremor. <i>Experimental and Therapeutic Medicine</i>. February-2022, Volume 23 Issue 2</p> <p>Mavroudis, I.; Chowdhury, R.; Petridis, F.; Karantali, E.; Chatzikonstantinou, S.; Balmus, I.; Luca, I.; Ciobica, A.; Kazis, D. YKL-40 as a Potential Biomarker for the Differential Diagnosis of Alzheimer's Disease. <i>Medicina</i> 2022, 58(1), 60;</p> <p>Mavroudis I, Petrides F, Karantali E, Chatzikonstantinou S, McKenna J, Ciobica A, Iordache AC, Dobrin R, Trus C, Kazis D. A Voxel-Wise Meta-Analysis on the Cerebellum in Essential Tremor. <i>Medicina (Kaunas)</i>. 2021 Mar 14;57(3):264.</p> <p>Mavroudis I, Petridis F, Chatzikonstantinou S, Kazis D. Response to the Letter to the Editor by Tomoyuki Kawada: "Alpha-Synuclein Levels in Cerebrospinal Fluid in Patients</p>

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Karantali E, Kazis D, Papavasileiou V, Prevezianou A, Chatzikonstantinou S, Petridis F, McKenna J, Luca AC, Trus C, Ciobica A, Mavroudis I. Serum BDNF Levels in Acute Stroke: A Systematic Review and Meta-Analysis. *Medicina (Kaunas)*. 2021 Mar 22;57(3):297.

Chatzikonstantinou, S., Gioula, G., Kimiskidis, V.K., McKenna, J., Mavroudis, I. and Kazis, D. (2021), The Gut Microbiome in Drug-resistant Epilepsy. *Epilepsia Open*. <https://doi.org/10.1002/epi4.12461>

Ioannis Mavroudis, Foivos Petridis, Dimitrios Kazis, Samuel Njau, Vasiliki Costa, Stavros Baloyanis. Dendritic, Spinal and Mitochondrial Alteration in Alzheimer's Disease. A preliminary descriptive study. *Academy of Romanian Scientists, Annals Series on Biological Sciences, Volume 9, No. 2, 2020, pp. 43 - 49*

Ilie, O.-D.; Ciobica, A.; Riga, S.; Dhunna, N.; McKenna, J.; Mavroudis, I.; Doroftei, B.; Ciobanu, A.-M.; Riga, D. Mini-Review on Lipofuscin and Aging: Focusing on The Molecular Interface, The Biological Recycling Mechanism, Oxidative Stress, and The Gut-Brain Axis Functionality. *Medicina* 2020, 56, 626.

Ilie OD, Cojocariu RO, Ciobica A, Timofte SI, Mavroudis I, Doroftei B. Forecasting the Spreading of COVID-19 across Nine Countries from Europe, Asia, and the American Continents Using the ARIMA Models. *Microorganisms*. 2020 Jul 30;8(8):E1158. doi: 10.3390/microorganisms8081158.

Simionescu G, Ilie OD, Ciobica A, Doroftei B, Maftai R, Grab D, McKenna J, Dhunna N, Mavroudis I, Anton E. Mini-Review on the Possible Interconnections between the Gut-Brain Axis and the Infertility-Related Neuropsychiatric Comorbidities. *Brain Sci*. 2020 Jun 17;10(6):E384.

Mavroudis I, Petridis F, Kazis D. Inclusion Body Myositis. Genetics, Biomarkers and Muscle Biopsy. *Int J Neurosci*. 2020 May 4:1-10.

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Mavroudis I, Petridis F, Chatzikonstantinou S, Kazis D. Alpha-synuclein Levels in the Differential Diagnosis of Lewy Bodies Dementia and Other Neurodegenerative Disorders: A Meta-analysis. *Alzheimer Dis Assoc Disord*. 2020 Apr 24.

Chatzikonstantinou S, McKenna J, Karantali E, Petridis F, Kazis D, Mavroudis I. Electroencephalogram in dementia with Lewy bodies: a systematic review. *Aging Clin Exp Res*. 2020 May 7.

Karantali E, Kazis D, Chatzikonstantinou S, Petridis F, Mavroudis I. The role of neurofilament light chain in frontotemporal dementia: a meta-analysis. *Aging Clin Exp Res*. 2020 Apr 18.

Ilie OD, Ciobica A, McKenna J, Doroftei B, Mavroudis I. Mini-review on the relations between gut microflora and Parkinson's disease - further biochemical (oxidative stress), inflammatory and neurological particularities. *Oxid Med Cell Longev*. 2020 Feb 5;2020:4518023. doi: 10.1155/2020/4518023. eCollection 2020.

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Mavroudis IA, Petridis F, Chatzikonstantinou S, Karantali E, Kazis D. A meta-analysis on the levels of VILIP-1 in the CSF of Alzheimer's disease compared to normal controls and other neurodegenerative conditions [published online ahead of print, 2020 Jan 14]. *Aging Clin Exp Res*. 2020

Mavroudis IA, Petridis F, Chatzikonstantinou S, Kazis D. A meta-analysis on CSF neurogranin levels for the diagnosis of Alzheimer's disease and mild cognitive impairment [published online ahead of print, 2019 Aug 28]. *Aging Clin Exp Res*. 2019

Mavroudis I, Petridis F, Kazis D. Cerebrospinal Fluid, Imaging, and Physiological Biomarkers in Dementia With Lewy Bodies. *Am J Alzheimers Dis Other Demen*. 2019;34(7-8):421-432

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Ioannis Mavroudis, Foivos Petrides, Alin Ciobica, Dimitrios Kazis, Vasiliki Costa, Stavros J Baloyannis. The cerebellar dentate nucleus. *Academy of Romanian Scientists Annals - Series on Biological Sciences, Vol. 7*

Pavlina Alexiou, Ioannis Mavroudis. Introduction to Advance Directives. *Academy of Romanian Scientists Annals - Series on Biological Sciences, Vol. 7*

Mavroudis Ioannis, Petrides Foivos, Kazis Dimitrios. A review on the treatment of sporadic inclusion body myositis with Bimagrumab and Alemtuzumab. *Int J Neurosci.* 2018 Sep 21:1-16

Mavroudis Ioannis, Petrides Foivos, Kazis Dimitrios. The human spongiform encephalopathies. *Romanian Journal of Neurology, Volume XVII, No 2, 2018*

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Ioannis A. Mavroudis, Dimitrios Kazis, Foivos Petrides, Ioana Miruna Balmus, Manuela Padurariou, Alin Ciobica. Cortical Neuronal types and epilepsy; *Academy of Romanian Scientists Annals - Series on Biological Sciences, Vol. 6, No.2, (2017)*

Mavroudis IA. The Classification of Tumours of the Central Nervous System in the Molecular Era, *EC Neurology.* 8(1): 01.

Mavroudis IA, Petrides F, Manani M, Chatzinikolaou F, Ciobică AS, Pădurariu M, Kazis D, Njau SN, Costa VG, Baloyannis SJ. Purkinje cells pathology in schizophrenia. A morphometric approach. *Rom J Morphol Embryol.*

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Balmus Ioanna Miruna, Ciobica Alin, Alexiou Pavlina, Mavroudis Ioannis. Future perspectives on Alzheimer's disease computational modeling - A review. *Annals Series on Biological Sciences* Volume 6, No. 1, 2017, pp. 55-68

Mavroudis IA, Petrides F, Kazis D, Costa V, Baloyannis SJ. Golgi method: A 140 years old, yet unique and powerful method for the study of the central nervous system. *Annals Series on Biological Sciences* Volume 6, No. 1, 2017, pp. 44-54

Petrides FE, Mavroudis IA, Spilioti M, Chatzinikolaou FG, Costa VG, Baloyannis SJ. Spinal Alterations of Reil Insula in Alzheimer's Disease. *American Journal of Alzheimer's disease and other Dementias*, DOI: 10.1177/1533317517703476| First Published Online April 21, 2017

Petrides FE, Mavroudis IA, Dados D, Manani MG, Chatzinikolaou FG, , Spilioti M, Costa VG, Baloyannis SJ. Dendritic Alterations of the Pyramidal Cell of Reil's Insula in Alzheimer's disease. *J Neurol Stroke* 2016-4(5): 0015

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Mavroudis IA, Manani MG, Petrides F, Petsoglou K, Njau SD, Costa VG, Baloyannis SJ. Dendritic and spinal pathology of the Purkinje cells from the human cerebellar vermis in Alzheimer's disease. *Psychiatr Danub.* 2013 Sep;25(3):221-6.

Mavroudis I, Petrides F, Manani M, Theocharides C, Ciobica A, Padurariu M, Kiourexidou M, Njau S, Costa V, Baloyannis S. Dendritic and spinal alterations of the spiny stellate cells of the human visual cortex during normal

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Baloyiannis, V. Costa, I. Mavroudis, I.S. Baloyiannis. The brain capillaries in Alzheimer's disease. *S.I. Encephalos*, 2008, VOL 45,(4): 220-225

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**Supplements in Medical Journals and poster presentations**

D. Kazis, I. Mavroudis, S. Kolios, V. Papaliagkas, S. Bostanjopoulou. Neurosyphilis: The Great Imitator. The 8th World Congress on Controversies in Neurology

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D. Kazis, V. Theodoridou, O. Argyropoulou, I. Mavroudis, I. Daglis, S. Bostantjopoulou Postpartum Posterior Reversible Encephalopathy Syndrome (PRES) with atypical MRI findings. 1st EAN Congress Berlin 2015

Baloyannis SJ, Costa VG, Mavroudis IA. The Retzius-Cajal neuron in Alzheimer's disease Volume: European Journal of Neurology 21 (Suppl. 1), 109, May 2014

V Papaliagkas; D Kazis; I Mavroudis; I Daglis; S Kolios; S Papagiannopoulos; S Bostantjopoulou. White blood cell count in patient with epileptic seizures. *Epilepsia*. 55():203, JUN 2014

Baloyannis, I Mavroudis, IS Baloyannis, D Psaroulis Alterations of Brain Capillaries in Alzheimer's Disease SJ *Annals of Neurology*, 2013

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Baloyannis SJ, Mavroudis I, Baloyannis IS, Costa VG. Synaptic alterations in the claustrum in Alzheimer's disease: A Golgi and electron microscope study. *Journal of the Neurological sciences* 333 (supl):356-357. Oct 2013

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I Mavroudis, K Tsamis, D Mytilinaios, VG Costa, SJ Baloyannis, Vascular pathology is related to neurofibrillary degeneration and synaptic loss in Alzheimer's disease *European Journal of Neurology* 16, 352-352, 2009

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A Safouris, K Tsamis, IA Mavroudis, D Mytilinaios, SN Njau, V Costa, SJ Baloyannis Alterations of the human visual cortex during normal aging, revealed by silver staining methods *Acta Neurobiologiae Experimentalis* 3 (67), 2007

IA Mavroudis, K Tsamis, A Safouris, D Mytilinaios, SN Njau, V Costa, SJ Baloyannis Alterations of the dendrites and dendritic spines of the human Purkinje cells during normal aging *Acta Neurobiologiae Experimentalis* 3 (67), 2007

K Tsamis, D Mytilinaios, J Mavroudis, SD Njau, D Psaroulis, V Kosta, SJ Baloyannis Properties of CA3 neuronal excrescences in the hippocampus of healthy human individuals and Alzheimer's disease patients *Journal of Neural Transmission* 114 (7), CXXI-CXXI, 2007

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**Books and book chapters**

**2019:** The Hypothalamus in Alzheimer's Disease: A Golgi and Electron and Microscope Study, In book: *Cognitive Disorders*, January 2019, DOI: · 10.5772/intechopen.75887

**2018:** The Hypothalamus in Alzheimer's Disease, In book: *Hypothalamus in Health and Diseases*, December 2018, DOI: · 10.5772/intechopen.81475

**2015:** Ioannis Mavroudis and Pavlina Alexiou, Neuro-Morphology and Neuronal Functionality in Health and Disease. From Golgi Method to Sophisticated Neuronal Simulations in the volume: *Cognitive Sciences - An Interdisciplinary Approach*; Edited by Tudorel Dima and Mihaela Luca. pp: 219-231, Sept 2015

**2009:** *Medical Issues and Answers*, Published by Gkiourdas Publications

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