



CURRICULUM VITAE

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National Center for Scientific Research (NCSR) "Demokritos", Institute of
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EDUCATION

BSc in Biology: Department of Biology, University of Patras, Greece (2000)

Research Assistant: Department of Neurology and Psychiatry, Columbia University (NY, USA)
supervised by Prof. David Sulzer (1999)

Postgraduate studies:

PhD studies at Max-Planck Institute of Psychiatry / University of Heidelberg (Germany)
title: "Identification of the cellular mechanisms underlying the contribution of stress and glucocorticoids to Alzheimer's disease pathology" awarded "*Magna cum laude*" (2001-2006).

Marie Curie Research Training Fellowship at Department of Physiology, University College London, UK (2004-2005).

Post-doc studies & Positions:

- Post-doc researcher at RIKEN Brain Science Institute, Laboratory for Alzheimer's disease (Wako, Japan) 2007-2008
- Visiting Researcher at MRC Center for Synaptic Plasticity, University of Bristol, UK 2009
- Senior post-doc at ICVS Institute, Medical School, University of Minho, Portugal 2010-2014
- Group leader/*FCT Investigador* at ICVS Institute, School of Medicine, University of Minho, Portugal 2014 – 2020
- Researcher C-Group leader, Institute of Biosciences & Applications, National Center for Scientific Research (NCSR) Demokritos, Athens, Greece 2021 - now
- Affiliated Researcher at ICVS Institute, School of Medicine, University of Minho, 2021 – now

RESEARCH INTERESTS

- Chronic Stress as the precipitating factor of brain pathologies such as depressive and Alzheimer's pathologies
- Brain exosomes as propagators of brain pathology in stress-related brain disorders.
- RNA-binding-proteins (RBPs) & Stress granules (SGs) in Stress and Alzheimer's disease brain pathologies.
- Biomarker potential of exosomes in both brain and blood of animal models and patients of Alzheimer's disease and depression.
- Antisense-oligonucleotides (ASOs) therapy in neurodegenerative pathologies.
- Novel drug against stress-driven depression and Alzheimer's disease brain pathologies (such as cannabidiol, psychedelics).

DINSTINTIONS, FELLOWSHIPS & AWARDS

- a) Parkinson's Disease Foundation (USA): Short-term Fellowship at Department of Neurology and Psychiatry; Columbia University School of Medicine, NY, NY, USA (1999)
- b) Pre-doctoral Fellowship, Deutsche Forschungsgemeinschaft (DFG) (2001-2003)
- c) Marie Curie Training Fellowship (2004-2005)
- d) 1st Prize at Max Planck Institute of Psychiatry Annual Symposium (2004)
- e) GlaxoSmithKline Stiftung grant (2004)
- f) Max-Planck Society Stipend (2005-2006)
- g) RIKEN Brain Science Institute (Japan): RIKEN Summer school and Short-term Fellowship at Laboratory for Alzheimer's Disease (supervisor: Dr A. Takashima) (Summer 2006)
- h) RIKEN Brain Science Institute (Japan): Japanese Society for the Promotion of Science (JSPS) post-doc fellowship (2007- 2008)
- i) British Council Researcher Exchange Programme Fellowship 2009: research grant at MRC Centre for Synaptic Plasticity, University of Bristol, UK (2009)
- j) Fellowship award 2009 from European College of Neuropsychopharmacology (ECNP) (2009)
- k) 1st Prize - Hirlinga Alzheimer's Disease Foundation (2009)
- l) Golden Prize for best presentation at AP Society of Neurochemistry 2010 Meeting (2010)
- m) Canon Foundation Research Fellowship (2014)
- n) Portuguese Foundation for Research and Innovation (FCT) Independent Investigator price/grant (2014-2018)
- o) Alzheimer's & Parkinson's diseases International Conference – Young Faculty Award 2015 (2015)
- p) World Federation of Societies of Biological Psychiatry – Young Investigator Award 2015 (2015)
- q) Janssen Prize 2016 for the best Basic Research study (2016)
- r) Foundation Jerome Lejeune Research grant 2017
- s) Premio Cryoestaminal 2017
- t) Alzheimer's Association Best Mentor Award in Neuroscience 2021

POSITIONS IN SCIENTIFC SOCIETIES

- Vice-president of **Hellenic Society of Extracellular vesicles (HeISEV)**
- Co-Chair of ECNP Networks Advisory Panel of **European College of Neuropsychopharmacology (ECNP)**
- Governing council member the Mediterranean Neuroscience Society (MNS)
<https://www.medneuroscisociety.org/mns-council-bylaws>
- Core-Member of the **Hellenic Initiative against Alzheimer's Disease (HIAAD)** – <https://hiaad.gr/>

- Member of the European Neuroscience Association (FENS), European Society for Neurochemistry (ESN), Hellenic Society for Neuroscience (HSfN)
- Vice-President of the Animal License Committee, Institute of Biosciences & Applications, NCSR Demokritos, Greece.

OTHE POSITIONS, EDITORIAL WORK & REVIEWER ASSIGNMENT

- Editor of the book “Όταν η λογική κυνηγάει την μνήμη - When reasoning chases memory. The multidimensional threat of Alzheimer's disease in the 21st-century (in Greek) published by Crete University Press (May 2021)
- Guest Editor for a Special Issue on “Brain Metaplasticity” of Neuroscience IBRO-Official Journal
- Guest editor for a “Molecular and cellular mechanisms of Tauopathy” in Neuroscience IBRO-Official Journal
- Review Editor for Frontiers in Neuroscience.
- Reviewer for EMBO, Molecular Psychiatry, Aging Cell, Journal of Alzheimer's disease, Molecular Neurodegeneration, Neurobiology of Aging, Frontiers of Neuroscience, Neurobiology of Disease, Eur. Neuropsychopharmacology, Neuropharmacology, Eur. J. of Neuroscience.
- Referee for the evaluation of research grants for AAIC - Alzheimer Association International, Grance Alzheimer e.t.c.

ORGANIZATION ACTIVITIES IN SCIENTIFIC EVENTS

- **Chair** of the organizing committee of International Alzheimer's disease Symposium “**Current Aspects in Pathophysiology of Alzheimer's disease: What do we miss?**” (24- 25 Oct 2013, Braga, Portugal- co-funded/ sponsored by IBRO)
- **Co-chair** of the local Organization of **European Behavioral Psychopharmacology (EBPS) Biennial Meeting 2019** (30 August-2 September 2019, Braga-Porto, Portugal <https://ebpsmeeting2019.org>)
- **Co-chair** of the organizing and scientific committee of the Hands-On Workshop “**From networks to behavior and back – a EBPS Young Scientist Workshop**”, 28th August 2019, Braga, Portugal <https://ebpsmeeting2019.org/about-the-workshop/>
- **Chair** at the **symposium** “Ribonucleoprotein particles and granules, key hotspots for the biology and disease of the brain”, **32th European College of Neuropsychopharmacology** meeting, Copenhagen, September 2019.
- **Co-Chair** at the symposium “**RNA-Protein interplay and Stress granules: key hotspots for the biology and disease of the brain**”, FENS meeting, Glasgow, UK, July 2020.
- **Chair** and organization of the symposium “Sex differences in classical and novel mechanisms involved in depression”, 7th Mediterranean Neuroscience Conference, Morocco, June 2019.
- **Organizing Committee** of the International Society of Molecular Neurodegeneration – ISMN 2022, Divani Acropolis, 10-13 October 2022, Athens, Greece <https://www.ismnd2022.com>
- **Organizing Committee** of the conference of the Hellenic Society for Neuroscience (HSfN), Demokritos Research Center, 24-26 November 2023, Athens, Greece
- **Organizing Committee** of the 10th conference of Mediterranean Neuroscience Society - MNS 2025, 7-11 June 2025, Chania, Greece

PUBLICATIONS in peer-reviewed journals (* as corresponding author)

1. Ai R, Mao L, Jin X, Campos-Marques C, Zhang SQ, Pan J, Lagartos-Donate MJ, Cao SQ, Barros-Santos B, Nóbrega-Martins R, Katsaitis F, Yang G, Xie C, Kang X, Wang P, Novello M, Hu Y, Bergersen LH, Storm-Mathisen J, Kuroyanagi H, Escobar-Doncel B, González NV, Chaudhry FA, Wang Z, Zhang Q, Lu G, **Sotiropoulos I**, Niu Z, Chen G, Nair RR, Silva JM, Luo OJ, Fang EF. “NAD⁺ reverses Alzheimer's neurological deficits via regulating differential alternative RNA splicing of EVA1C” Science Advances. 2025 11(45):eady9811. doi: 10.1126/sciadv.ady9811
2. Nóbrega-Martins R, Barros-Santos B, Papadimitriou G, **Sotiropoulos I**, Wolozin B, Silva JM. “RNA Granules at the Crossroads of Synaptic Dysfunction and Neurodegeneration” J Neurochem. 2025 Nov;169(11):e70269. doi: 10.1111/jnc.70269.
3. Matsas A, Stamoula E, Kontzoglou K, Eleftheriades M, Tsokkou S, Christopoulos P, Panoskaltis T, Polydorou E, **Sotiropoulos I**, Troupis T, Iliopoulos DC. “Unveiling the Diagnostic Significance of

- Calprotectin in Serous Ovarian Carcinoma*” *Life* (Basel). 2025 Jul 8;15(7):1080. doi: 10.3390/life15071080.
4. Oliveira S, Monteiro F, Catarino SO, Hinckel BB, **Sotiropoulos I**, Leal A, Silva FS, Carvalho Ó “*Development and validation of a multi-modal customized device to stimulate in vitro cell culture systems*” *J Photochem Photobiol B*. 2025 Nov 12;273:113306. doi: 10.1016/j.jphotobiol.2025.113306
 5. Pickering G, O’Keeffe M, Bannister K, Becker S, Cottom S, Cox FJ, Eisenberg E, Finn DP, Forget P, Graven-Nielsen T, Kalso E, Kocot-Kepska M, Leite-Almeida H, Lopez-Garcia JA, Meeus M, Mouraux A, Pereira B, Puljak L, Reneman MF, Rohde I, **Sotiropoulos I**, Skidmore N, Tölle TR, Todorovic ST, Truini A, Vowles KE, Pogatzki-Zahn E, Garcia-Larrea L, Fullen BM. “*A pain research strategy for Europe: A European survey and position paper of the European Pain Federation EFIC*”. *Eur J Pain*. 2025 Jan;29(1):e4767. doi: 10.1002/ejp.4767.
 6. Burke MR, **Sotiropoulos I**, Waites CL. “*The multiple roles of chronic stress and glucocorticoids in Alzheimer’s disease pathogenesis*”. *Trends Neurosci*. 2024 Nov;47(11):933-948. doi: 10.1016/j.tins.2024.08.015. Epub 2024 Sep 21.
 7. Brakatselos C, Polissidis A, Ntoulas G, Asprogerakas MZ, Tsarna O, Vamvaka-Iakovou A, Nakas G, Delis A, Tzimas P, Skaltsounis L, Silva J, Delis F, Oliveira JF, **Sotiropoulos I**, Antoniou K. “*Multi-level therapeutic actions of cannabidiol in ketamine-induced schizophrenia psychopathology in male rats.*” *Neuropsychopharmacology*. 2024 Dec;50(2):388-400. doi: 10.1038/s41386-024-01977-1. Epub 2024 Sep 6.
 8. Kaftzopoulos V, Kokras N, Katsaitis F, Sousa N, Leite-Almeida H, **Sotiropoulos I**, Dalla C. Prefrontal cortex-nucleus reuniens-hippocampus network exhibits sex-differentiated responses to stress and antidepressant treatment in rats *Psychopharmacology* 2024 Aug 20. doi: 10.1007/s00213-024-06667-w.
 9. Yu Q, Du F, Belli I, Gomes PA, **Sotiropoulos I**, Waites CL. “*Glucocorticoid stress hormones stimulate vesicle-free Tau secretion and spreading in the brain*”. *Cell Death Dis*. 2024 Jan 18;15(1):73. doi: 10.1038/s41419-024-06458-3.
 10. Hodes GE, Bangasser D, **Sotiropoulos I**, Kokras N, Dalla C. “*Sex Differences in Stress Response: Classical Mechanisms and Beyond*”. *Curr Neuropharmacol*. 2024;22(3):475-494. doi: 10.2174/1570159X22666231005090134.
 11. Basso M, Gori A, Nardella C, Palviainen M, Holcar M, **Sotiropoulos I**, Bobis-Wozowicz S, D’Agostino VG, Casarotto E, Ciani Y, Suetsugu S, Gualerzi A, Martin-Jaular L, Boselli D, Kashkanova A, Parisse P, Lippens L, Pagliuca M, Blessing M, Frigerio R, Fourniols T, Meliciano A, Fietta A, Fioretti PV, Soroczyńska K, Piccolini S, Salviano-Silva A, Bergese P, Zocco D, Chiari M, Jenster G, Waldron L, Milosavljevic A, Nolan J, Monopoli MP, Witwer KW, Bussolati B, Di Vizio D, Falcon Perez J, Lenassi M, Cretich M, Demichelis F. “*International Society for Extracellular Vesicles Workshop. Quantitative EVs: multiscale analyses, from bulk to single extracellular vesicle*” *J Extracell Biol*. 2024 Jan;3(1):e137. doi: 10.1002/jex2.137.
 12. Wang HL, Siow R, Schmauck-Medina T, Zhang J, Sandset PM, Filshie C, Lund , Partridge L, Bergersen LH, Juel Rasmussen L, Palikaras K, **Sotiropoulos I**, Storm-Mathisen J, Rubinsztein DC, Spillantini MG, De Zeeuw CI, Watne LO, Vyhnaek M, Veveřova K, Liang KX, Tavernarakis N, Bohr VA, Yokote K, Saarela J, Nilsen H, Gonos ES, Scheibye-Knudsen M, Chen G, Kato H, Selbæk G, Fladby T, Nilsson P, Simonsen A, Aarsland D, Lautrup S, Ottersen OP, Cox LS, Fang EF. “*NYO3 5th NO-Age/AD Meeting and the 1st Norway-UK Joint Meeting on Aging and Dementia: Recent Progress on the Mechanisms and Interventional Strategies*” *J Gerontol A Biol Sci Med Sci* 2024 79(4):glae029. doi: 10.1093/gerona/glae029.
 13. Gomes P, Bodo C, Nogueiras-Ortiz C, Samiotaki M, Chen M, Soares-Cunha C, Silva JM, Coimbra B, Stamatakis G, Santos L, Campos-Marques C, Panayotou G, Tzouanou F, Waites CL, Gatsogiannis C, Sousa N, Kapogiannis D, Costa-Silva B*, **Sotiropoulos I***. “*A novel isolation method for spontaneously released extracellular vesicles from brain tissue and its implications for stress-driven brain pathology*” *Cell Comm Sign* 2023 21:35 <https://doi.org/10.1186/s12964-023-01045-z>
 14. Dioli C, Papadimitriou G, Megalokonomou A, Campos-Marques C, Sousa N, **Sotiropoulos I***, “*Chronic stress, depression and Alzheimer’s disease: the triangle of oblivion*” In: Vlamos P. (eds) *GeNeDis 2022. Advances in Experimental Medicine and Biology*, 2023;1423:303-315. doi: 10.1007/978-3-031-31978-5_31.
 15. Monteiro F, Carvalho O, Sousa N, Silva FS, **Sotiropoulos I***. “*Photobiomodulation and visual stimulation against cognitive decline and Alzheimer’s disease: a systematic review*” *Alzheimer & Dementia* 2022 8(1):e12249 doi: 10.1002/trc2.12249
 16. Gomes P, Tzouanou F, Skolariki K, Vamvaka Iakovou A, Nogueira-Ortiz C, Tsirtsaki K, Waites L. C, Vlamos P, Sousa N, Costa-Silva B, Kapogiannis D, **Sotiropoulos I***. “*Extracellular Vesicles and Alzheimer’s disease in the novel era of Precision Medicine: implications for disease progression, diagnosis and treatment*” *Exper Neurology* 2022 Dec; 358:114183. doi: 10.1016/j.expneurol.2022.114183.

17. Guerreiro S, Guimarães M, Silva JM, Dioli D, Vamvaka-Iakovou A, Gomes P, Megalokonomou A, Campos-Marques C, Sousa N, Leite-Almeida H*, **Sotiropoulos I*** "Chronic pain causes Tau-dependent hippocampal pathology and memory deficits" *Mol Psychiatry* 2022 Sep 2. doi: 10.1038/s41380-022-01707-3.
18. Lopes M, Vieira de Castro J, Pojo M, Gonçalves CS, Martins EP, Coimbra B, **Sotiropoulos I**, Sousa N, Rodrigues AJ, Costa BM. "Chronic Stress does not influence the survival of mouse models of glioblastoma." *Front Oncol* 2022 Mar 25; 12:856210. doi: 10.3389/fonc.2022.856210. eCollection 2022
19. Silveira-Rosa T, Mateus-Pinheiro A, Correia JS, Silva JM, Martins-Macedo J, Araújo B, Machado-Santos AR, Alves ND, Silva M, Loureiro-Campos E, **Sotiropoulos I**, Bessa JM, Rodrigues AJ, Sousa N, Patrício P, Pinto L. Suppression of adult cytogenesis in the rat brain leads to sex-differentiated disruption of the HPA axis activity *Cell Prolif.* 2022 Feb;55(2):e13165. doi: 10.1111/cpr.13165.
20. Dioli C, Patrício P, Pinto LG, Marie C, Morais M, Vyas S, Bessa JM, Pinto L, **Sotiropoulos I*** "Adult neurogenic process in the subventricular zone-olfactory bulb system is regulated by Tau protein under prolonged stress." *Cell Prolif.* 2021 Jul;54(7):e13027. doi: 10.1111/cpr.13027. Epub 2021 May 14.
21. Zhuravleva V, Vaz-Silva J, Zhu M, Gomes P, Silva JM, Sousa N, **Sotiropoulos I**, Waites CL. "Rab35 and glucocorticoids regulate APP and BACE1 trafficking to modulate A β production." *Cell Death Dis.* 2021 12(12):1137. doi: 10.1038/s41419-021-04433-w.
22. Moosecker S, Pissioti A, Leidmaa E, Harb MR, Dioli C, Gassen NC, Yu S, Gazea M, Catania C, Anderzhanova E, Patchev AV, Kühne C, Stoffel R, **Sotiropoulos I**, Almeida OFX. "Brain Expression, Physiological Regulation and Role in Motivation and Associative Learning of Peroxisome Proliferator-activated Receptor γ ." *Neuroscience.* 2021 479:91-106. doi: 10.1016/j.neuroscience.2021.10.029. Epub 2021 Nov 8.
23. Amalric M, Pattij T, **Sotiropoulos I**, Silva JM, Sousa N, Ztaou S, Chiamulera C, Wahlberg LU, Emerich DF, Paolone G *Where Dopaminergic and Cholinergic Systems Interact: A Gateway for Tuning Neurodegenerative Disorders.* *Front Behav Neurosci.* 2021 Jul 22;15:661973. doi: 10.3389/fnbeh.2021.661973.
24. Monteiro F[†], **Sotiropoulos I***(equal contribution), Carvalho O, Sousa N and Silva FS. "Multi-mechanical waves against Alzheimer's disease pathology: a systematic review" *Transla Neurodegeneration* 2021 Sep 24;10(1):36. doi: 10.1186/s40035-021-00256-z.
25. **Sotiropoulos I***, Trejo JL. "Brain metaplasticity" *Neuroscience.* 2021 Feb 1;454:1-2. doi: 10.1016/j.neuroscience.2020.12.011.
26. Cunha AM, Guimarães MR, Kokras N, **Sotiropoulos I**, Sousa N, Almeida A, Dalla C, Leite-Almeida H. "Mesocorticolimbic monoamines in a rodent model of chronic neuropathic pain." *Neurosci Lett.* 2020 Oct 15;737:135309. doi: 10.1016/j.neulet.2020.135309.
27. Monteiro-Fernandes D, Silva JM, Soares-Cunha C, Dalla C, Kokras N, François A, Billiras R, Bretin S, Sousa N, **Sotiropoulos I*** "Allosteric modulation of AMPA receptors counteracts Tau-related excitotoxic synaptic signaling and memory deficits in Stress and A β -evoked hippocampal pathology" *Molecular Psychiatry* 2021 Oct;26(10):5899-5911. doi: 10.1038/s41380-020-0794-5.
28. Kafetzopoulos V, Kokras N, Sousa N, Antoniou K, **Sotiropoulos I**, Dalla C. "Nucleus reuniens lesion and antidepressant treatment prevent hippocampal neurostructural alterations induced by chronic mild stress in male rats". *Neuroscience* 2021 Feb 1;454:85-93. doi: 10.1016/j.neuroscience.2020.08.017.
29. Monteiro-Fernandes D, Sousa N, Almeida O.F.X, **Sotiropoulos I*** "Sex hormone depletion augments glucocorticoid induction of Tau hyperphosphorylation in male rat brain" *Neuroscience* 2021 Feb 1;454:140-150. doi: 10.1016/j.neuroscience.2020.05.049
30. Treccani G, Schlegelmilch AL, Schultz N, Herzog DP, Bessa JM, **Sotiropoulos I**, Müller MB, Wennström M. Hippocampal NG2+ pericytes in chronically stressed rats and depressed patients: a quantitative study. *Stress.* 2021 May;24(3):353-358. doi: 10.1080/10253890.2020.1781083.
31. Soares-Cunha C, de Vasconcelos NAP, Coimbra B, Domingues AV, Silva JM, Loureiro-Campos E, Gaspar R, **Sotiropoulos I**, Sousa N, Rodrigues AJ "Nucleus accumbens medium spiny neurons subtypes signal both reward and aversion". *Molecular Psychiatry* 2020 Dec;25(12):3241-3255. doi: 10.1038/s41380-019-0484-3.
32. **Sotiropoulos I***, Silva JM, Gomes P, Sousa N, Almeida OFX "Stress and the etiopathogenesis of Alzheimer's disease and depression" *Adv Exp Med Biol.* 2019;1184:241-257. doi: 10.1007/978-981-32-9358-8_20
33. Vaz-Silva J, Gomes P, Quintremil S, Zhu M, Zhuravleva V, Meira T, Silva J, Dioli C, Soares-Cunha C, Daskalakis N, Sousa N, **Sotiropoulos I***, Waites C* (equal contribution) "Endo-lysosomal sorting and degradation of Tau and its role in glucocorticoid-driven hippocampal malfunction". *EMBO* 2018 doi 10.15252/embj.20189908
34. Dioli C, Patrício P, Sousa N, Kokras N, Dalla C, Rego AC, Pinto L, Ferreira E, **Sotiropoulos I*** "Chronic stress triggers divergent dendritic alterations in immature neurons of the adult hippocampus,

- depending on their ultimate terminal fields” *Translational Psychiatry* 2019 9(1):143. doi: 10.1038/s41398-019-0477-7.
35. Moosecker S, Gomes P, Dioli D, Yu S, **Sotiropoulos I***, Almeida OFX * (equal contribution) “Activated PPAR γ Abrogates Misprocessing of Amyloid Precursor Protein, Tau Missorting and Synaptotoxicity” *Front. Cell. Neurosci.*, 12 June 2019 <https://doi.org/10.3389/fncel.2019.00239>
 36. Esteves M, Almeida AM, Silva J, Silva Moreira P, Carvalho E, Pêgo JM, Almeida A, **Sotiropoulos I**, Sousa N, Leite-Almeida H. “MORPhA Scale: behavioral and electroencephalographic validation of a rodent anesthesia scale” *J Neurosci Methods*. 2019 May 26. pii: S0165-0270(19)30154-2. doi: 10.1016/j.jneumeth.2019.05.013.
 37. Silva J, Rodrigues S, Sampaio-Marques B, Gomes P, Neves-Carvalho A, Dioli C, Soares-Cunha C, Takashima A, Ludovico P, Wolozin B, Sousa N, **Sotiropoulos I*** “Dysregulation of autophagy and Stress granule-related proteins in stress-driven Tau pathology”. *Cell Death Diff* 2019 doi: 10.1038/s41418-018-0217-1.
 38. Kokras N¹, **Sotiropoulos I**¹(equal contribution), Besinis D, Tzouveka E.L. Almeida O.F.X. Sousa N. Dalla C. “Neuroplasticity-related correlates of environmental enrichment combined with physical activity differ between the sexes” *Europ Neuropsychopharm* 2018 <https://doi.org/10.1016/j.euroneuro.2018.11.1107>
 39. Konstandi M, **Sotiropoulos I**, Matsubara T, Malliou F, Katsogridaki A, Andriopoulou C.E. & Gonzalez F.E. “Adrenoceptor-stimulated inflammatory response in stress-induced serum amyloid A synthesis” *Psychopharmacology* 2019 2019 Jan 6. doi: 10.1007/s00213-018-5149-4.
 40. **Sotiropoulos I***, Galas MC, Silva JM, Skoulakis E, Wegmann S, Maina MB, Blum D, Sayas CL, Mandelkow EM, Mandelkow E, Spillantini MG, Sousa N, Avila J, Medina M, Mudher A, Buee L. “Atypical, non-standard functions of the microtubule associated Tau protein.” *Acta Neuropathol Commun*. 2017 Nov 29;5(1):91. doi: 10.1186/s40478-017-0489-6.
 41. Kokras N, Stamouli E, **Sotiropoulos I**, Katirtzoglou EA, Siarkos KT, Dalagiorgou G, Alexandraki KI, Kouloheri S, Piperi C, and Politis AM “Acetyl Cholinesterase Inhibitors and Cell-Derived Peripheral Inflammatory Cytokines in Early Stages of Alzheimer's Disease” *Journal of Clinical Psychopharmacology* 2018 Apr;38(2):138-143
 42. Wolozin B, **Sotiropoulos I**. “Dendritic TAU-telidge.” *EBioMedicine*. 2017 20:3-4. doi: 10.1016/j.ebiom.2017.05.013. Epub 2017
 43. Dioli C, Patrício P, Trindade R, Pinto LG, Silva JM, Morais M, Ferreira E, Borges S, Mateus-Pinheiro A, Rodrigues AJ, Sousa N, Bessa JM, Pinto L, **Sotiropoulos I***. (2017) “Tau-dependent suppression of adult neurogenesis in the stressed hippocampus” *Mol Psychiatry* 22, 1110–1118
 44. Kafetzopoulos V, Kokras N, **Sotiropoulos I**, Oliveira JF, Leite-Almeida H, Vasalou A, Sardinha VM, Papadopoulou-Daifoti Z, Almeida OFX, Antoniou K, Sousa N and Dalla C. (2017) “The nucleus reuniens: a key node in the neurocircuitry of stress and depression” *Mol Psychiatry* in press, doi:10.1038/mp.2017.55
 45. Lopes S, Vaz-Silva J, Pinto V, Dalla C, Kokras N, Bedenk B, Mack N, Czisch M, Almeida OFX, Sousa N, **Sotiropoulos I*** (2016) Tau protein is essential for stress-induced brain pathology. *Proc Natl Acad Sci U S A*. 2016 Jun 28;113(26): E3755-63
 46. Lopes S, Teplytska L, Vaz-Silva J, Dioli C, Trindade R, Morais M, Webhofer C, Almeida OFX, Turck C, Sousa N, **Sotiropoulos I*** Filiou MD* (2016) Tau deletion prevents stress-induced dendritic atrophy in prefrontal cortex: role of synaptic mitochondria. *Cerebr Cortex* 2016 27(4):2580-2591.
 47. Lopes S, Lopes A, Pinto V, Guimarães MR, Sardinha MR, Duarte-Silva S, Pinheiro S, Pizarro J, Oliveira JF, Sousa N, Leite-Almeida H, **Sotiropoulos I*** (2016). Absence of Tau triggers age-dependent sciatic nerve morphofunctional deficits and motor impairment. *Aging Cell* 15(2):208-16
 48. Vyas S, Rodrigues AJ, Silva JM, Tronche F, Almeida OFX, Sousa N, **Sotiropoulos I***. (2016) Chronic Stress and Glucocorticoids: From Neuronal Plasticity to Neurodegeneration. *Neural Plasticity* 2016:6391686.
 49. Moreira PS¹, **Sotiropoulos I**¹ (equal contribution), Silva J, Takashima A, Sousa N, Leite-Almeida H, Costa PS. (2016). The Advantages of Structural Equation Modeling to Address the Complexity of Spatial Reference Learning. *Front Behav Neurosci*. 10:18. doi: 10.3389/fnbeh.2016.00018. eCollection 2016.
 50. **Sotiropoulos I***, Sousa N. Tau as the converging protein between chronic stress and Alzheimer's disease synaptic pathology *Neurodegenerative diseases* (2016) 16(1-2), pp. 22–25.
 51. Pinheiro S, Silva J, Mota C, Vaz-Silva J, Veloso A, Pinto V, Sousa N, Cerqueira J, **Sotiropoulos I*** (2016) Tau mislocation in glucocorticoid-triggered hippocampal pathology *Mol Neurobiol* 53(7):4745-53
 52. **Sotiropoulos I***, Silva J, Kimura T, Rodrigues A.J, Costa P, Almeida OFX, Sousa N, Takashima A. (2015) “Female hippocampus vulnerability to environmental stress as precipitating factor in Tau aggregation pathology” *J Alzheimer's Dis* 43(3):763-74.

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54. Fonseca L, Duarte J, Machado A, **Sotiropoulos I**, Lima C, Sousa N Suicidal behaviour in frontotemporal dementia patients - A retrospective study *International Journal of Geriatric Psychiatry* (2014) 29: 217–218
55. **Sotiropoulos I***. "The neurodegenerative potential of chronic stress: a link between depression and Alzheimer's disease". (2015) *Adv Exp Med Biol*. 2015 822:221-2. doi: 10.1007/978-3-319-08927-0_29.
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57. **Sotiropoulos I**, Catania C, Pinto LG, Silva R, Pollerberg GE, Takashima A, Sousa N. Almeida OFX. (2011) "Stress acts cumulatively to precipitate Alzheimer's disease-like TAU pathology and cognitive deficits ". *J Neuroscience* 31:7840-7.
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60. **Sotiropoulos I**, Catania C, Reidman T, Fry J, Breen K, Michaelidis T, Almeida OFX. (2008) "Glucocorticoids trigger Alzheimer disease-like pathobiochemistry in neuronal cells expressing human tau". *J Neurochemistry* 107(2):385-97.
61. Catania C[§], **Sotiropoulos I**[§] (equal contribution), Silva R, Onofri C, Breen KC, Sousa N & Almeida OFX. (2009) "The amyloidogenic potential and behavioral correlates of stress" *Molecular Psychiatry* 14: 95–105.
62. **Sotiropoulos I**, Cerqueira J, Catania C, Sousa N, Almeida OFX. "Stress and glucocorticoid footprints in the brain – the path from depression to Alzheimer's disease" (2008) *Neuroscience and Biobehavioral Reviews* 32(6):1161-73.
63. Silva R, Mesquita A, Bessa A, Sousa A, **Sotiropoulos I**, Leão P, Almeida OFX, Sousa N. (2008) "Lithium blocks stress-induced changes in depressive like behaviour and hippocampal cell fate: the role of glycogen-synthase-kinase-3 β " *Neuroscience* 152(3):656-69
64. Schubert M, Karlisch R, **Sotiropoulos I**, Catania C, Sousa N, Almeida OFX, Auer D. (2008) "Effects of altered corticosteroid milieu on rat hippocampal neurochemistry and structure-an in vivo magnetic resonance spectroscopy and imaging study" *Journal of Psychiatric Research* 42: 902–912
65. Cerqueira J[§], Catania C[§], **Sotiropoulos I**[§] (equal contribution), Schubert M, Kalisch R, Almeida OFX, Auer D, Sousa N. (2005) "Corticosteroid status influences the volume of the rat cingulate cortex – a magnetic resonance imaging study" *Journal of Psychiatric Research* 39: 451-460.

CHAPTERS IN BOOKS

- Dioli C, Papadimitriou G, Megalokonomou A, Campos-Marques C, Sousa N., Sotiropoulos I., "Chronic stress, depression and Alzheimer's disease: the triangle of oblivion" In: Vlamos P. (eds) *GeNeDis 2022. Advances in Experimental Medicine and Biology*, Springer, Cham. *in press* 2023
- **Sotiropoulos I** & Robakis N. "From Alois Alzheimer to the most common type of dementia of 21st century" in the book entitled << Όταν η λογική κυνηγάει την μνήμη - When reasoning chases memory. The multidimensional threat of Alzheimer's disease in the 21st-century (in Greek) published by Crete University Press (2021);
- **Sotiropoulos I**, Papanikolopoulou K, Alexopoulos C, Skoulakis E. "Why do I forget? Pathological features in Alzheimer's disease brain" in the book entitled << Όταν η λογική κυνηγάει την μνήμη - When reasoning chases memory. The multidimensional threat of Alzheimer's disease in the 21st-century (in Greek) published by Crete University Press (2021);
- **Sotiropoulos I**, Krokida St, Kokras N. "Chronic stress, depression and Alzheimer's disease: the triangle of oblivion" in the book entitled << Όταν η λογική κυνηγάει την μνήμη - When reasoning chases memory. The multidimensional threat of Alzheimer's disease in the 21st-century (in Greek) published by Crete University Press (2021);
- Gravanis A, Charalampopoulos I, Machairaki V, Alexopoulos C, Tsarboboulos A, Kapogiannis D, **Sotiropoulos I**. "Nobel perspectives in the understanding and treatment of Alzheimer's disease" in the book entitled << Όταν η λογική κυνηγάει την μνήμη - When reasoning chases memory. The multidimensional threat of Alzheimer's disease in the 21st-century (in Greek) published by Crete University Press (2021);

- Sotiropoulos I, Lyketsos K, Machairaki V. "Precision Medicine in Alzheimer's disease" in the book entitled << Όταν η λογική κυνηγάει την μνήμη - When reasoning chases memory. The multidimensional threat of Alzheimer's disease in the 21st-century (in Greek) published by Crete University Press (2021)
- Sotiropoulos I, Dalla C, Politis A, Lyketsos K. "A novel global strategy against Alzheimer's disease?" in the book entitled << Όταν η λογική κυνηγάει την μνήμη - When reasoning chases memory. The multidimensional threat of Alzheimer's disease in the 21st-century (in Greek) published by Crete University Press (2021);
- Sotiropoulos I, Silva JM, Gomes P, Sousa N, Almeida OFX. "Stress and the etopathogenesis of Alzheimer's disease and Depression" in the book entitled <<Tau Biology & Pathology>> editors: Ben Wolozin, Akihiko Takashima & Luc Buee;
- Vyas S, Rodrigues AJ, Silva JM, Tronche F, Sousa N, Sotiropoulos I*. "Glucocorticoids and Neurodegeneration" in the book entitled <<Adrenal Glands and Cortex: Structural Characteristics, Hormones and Related Disorders>> (2015);
- Catania C[§], Sotiropoulos I[§], (equal authorship) Breen K, Almeida OFX. "A steroid hormone-Alzheimer's disease connection? Upsides-Downsides" in the book entitled <<Molecular Basis of Neurodegeneration>> Published by Research Signpost, Kerala (2005) Editors: Italia Di Liegro & Giovanni Savettieri.

TEACHING - SUPERVISING EXPERIENCE

Undergraduate teaching

- Teaching (lectures, practicals, exams) at undergraduate course 3rd year students Human and Animal Physiology II – Biology Department, University of Patras (2022, 2023)
- Teaching and supervision at lab rotations (2-3 months) of Medical students (Univ Minho), Biology and Biochemistry students (Univ Minho), ERASMUS program, International Medical Student Association Exchange Program (2011-now)
- Participation & teaching in practical courses & exams at undergraduate courses of at the Departments of Physiology and Pharmacology, University College London (UK). (2004-2005) - *Relevant info*: undergraduate students of Physiology and Biochemistry Departments, UCL;

Postgraduate teaching/ training

- Teaching at Postgraduation Master course (20 hours) "Η Επιστήμη του Στρες και η Προαγωγή της Υγείας", Ιατρική Σχολή, ΕΚΠΑ (2021 – now)
 - Teaching at Postgraduation Master course (4 hours) "Εφαρμογές την Βιολογίας στην Ιατρική", Τμήμα Βιολογίας, ΕΚΠΑ (2021- now)
 - Teaching at Postgraduation Master course (4 hours) « Κλινική και Πειραματική Νευροχειρουργική», Ιατρική Σχολή, ΕΚΠΑ (2021- now)
 - Teaching at Postgraduation Master course "Νευροεκφυλιστικά νοσήματα», Ιατρική Σχολή, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης (ΑΠΘ) (2018-now)
 - Teaching at Postgraduation Master course (2 hours) "Neuropsychopharmacology", Ιατρική Σχολή, ΕΚΠΑ
 - Teaching at Postgraduation Master course (2 hours) "Neuroscience Master Course", Ιατρική Σχολή,
 - Teaching at Postgraduation Master course (4 hours) "Master in Neurosciences", Τμήμα Βιολογίας, ΕΚΠΑ.
 - Teaching at Postgraduation Master course (2 hours) "Μοριακή Φαρμακολογία-Ανοσολογία", University of Patras & Institute of Biosciences & Applications, NCRS Demokritos.
 - Teaching at "Summer School of Dementia" (2 hours), Medical School, University of Crete
 - Participation & teaching in postgraduation basic and advanced courses in 1 Master and 3 PhD programs of Medical School (Univ Minho) (2010- now)
- e.g. **Fundamentals in Neurosciences**: *Relevant info*: lectures; postgraduate students of Medical School;/ teaching in English; 15-20 students per class; class teacher & discussant; examiner of the course through questionnaire and oral presentations.

- Participation & teaching in postgraduation courses in University of Coimbra (organized by CNC Institute) (2011- now) e.g. **Brain development and pathology**: *Relevant info*: lectures; postgraduate students of Medical School;/ teaching in English
- Organization and teaching in postgraduation courses in Master and PhD programs of Medical School (Univ Minho):
 - **Pathogenesis of Neurodegenerative Diseases**: finding a common ground (2015, 2017, 2018, 2019) *Relevant info*: lectures; postgraduate students of our Medical School (master, PhD and postdoc students) as well as other participants from Europe; teaching in English; 15-20 students per class; main coordinator of the 3weeks course, class teacher & discussant; examiner of the course through multiple-choice exams, oral presentations and written essay
Notice: the course was selected and sponsored by **FENS/IBRO for 2019 course** – part of the NENS network (Network of European Neuroscience Schools).
 - **Advanced Hands-on the Rodent Brain: from intracellular trafficking to brain connectome** (2017, 2018) *Relevant info*: lectures & practical exercise; postgraduate students of our Medical School (master, PhD and postdoc students) as well as other participants from Europe; teaching in English; 12-15 students per class; main coordinator of the 3weeks course, class teacher & discussant; examiner of the course through questionnaire and oral presentations.
- Teaching & organization of International Alzheimer's disease Symposium "**Current Aspects in Pathophysiology of Alzheimer's disease: What do we miss?**" (24- 25 Oct 2013, Braga, Portugal-co-funded/ sponsored by IBRO foundation) - *Relevant info*: lectures; postgraduate students of our Medical School (master, PhD and postdoc students) as well as other participants from Europe; teaching in English; 70-80 participants.
- Teaching at the Hands-On Workshop "**From networks to behavior and back – a EBPS Young Scientist Workshop**", 28th August 2019, Braga, Portugal <https://ebpsmeeting2019.org/about-the-workshop/> *Relevant info*: lectures & practical exercise; Master, PhD and postdoc students from all around the world selected after application; teaching in English; 18-22 participants.
- Organization of **European Behavioral Psychopharmacology (EBPS) Biennial Meeting 2019** (30 August-2 September 2019, Braga-Porto, Portugal – member of the organizing committee <https://ebpsmeeting2019.org>

Supervision

Main supervisor of PhD theses:

Current PhD theses

- Anastasia Megalokonomou (NCSR Demokritos & University of Crete)
- Philippos Katsaitis (NCSR Demokritos & University of Athens)
- Kalliopi Skourti (NCSR Demokritos & University of Athens)
- Chania Christina (Dept. Pharmacology, Univ. of Athens & NCSR Demokritos)
- Melina Dinopoulou (co-tutelle PhD student of Medical School of Athens, Greece & Marseille Univ, France)

Past PhD theses

- Sofia Lopes (Medical School, Univ Minho; Jan 2012 – completed Dec 2015)
- Joana Silva (Medical School, Univ Minho; Mar 2013 – completed March 2017)

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- Joao Vaz-Silva (MD/PhD, Medical School, Univ Minho in collaboration with Columbia Univ, NY, USA; complete Jan 2019)
- Chrysoula Dioli (Cotutelle PhD student between Univ Minho Med. School & UPMC, Paris, France – completed Sept 2021).
- Patricia Gomes (MD/PhD, Medical School, Univ Minho in collaboration with Columbia Univ, NY, USA; completed Nov 2023)
- Anastasia Vamvaka-Iakovou (NCSR Demokritos & University of Ioannina; completed in Dec 2025)

Co-supervisor of PhD students:

- Anna Pissioti (LMU University, Munich, Germany- Jan 2017)

Main supervisor of MSc students:

Current Master theses

- Christina Papoutsis (Dep of Chemistry, Univ of Patras & NCSR Demokritos)
- Karava Alexandra (Dept. Pharmacology, Univ. of Athens & NCSR Demokritos)
- Symeon Damianidis (Biology Department, NKUA & NCSR Demokritos)
- Marinos Sotiris, (Biology Department, NKUA & NCSR Demokritos)
- Katerina Tsirtsaki (Medical School, NKUA & NCSR Demokritos)

Past Master theses

- Joana Silva (Biology Department, Univ Minho, Portugal, completed Oct 2012)
- Ana Ribeiro (Medical School, Univ Minho, Portugal, completed Dec 2013)
- Rita Trindade (Medical School, Univ Minho, Portugal, completed Dec 2013)
- Sara Pinheiro (Medical School, Univ Minho, Portugal, completed Dec 2015)
- Chrysoula Dioli (Medical School, Univ Minho, Portugal, completed May 2016)
- Daniela Monteiro (Medical School, Univ Minho, Portugal, completed June 2018)
- Sara Guerreiro (Medical School, Univ Minho, Portugal, completed June 2018)
- Eva Veiss (Ecole de biologie industrielle, University, France, completed Sept 2021)
- Carlos Marques (Medical School, Univ Minho, Portugal, completed October 2021)
- Fotini Tzouanou (Biology Department, NKUA & NCSR Demokritos, completed March 2023)
- Rachelle Matsagani (Life Sciences Department, University of Trieste, Italy, completed March 2023)
- Nikolina Dinou (Biology Department, NKUA & NCSR Demokritos, Greece, completed November 2023)
- Dimitra Gerontidi (Medical School, NKUA & NCSR Demokritos, Greece, completed December 2023)
- Zeta Papadimitriou (Biology Dep., NKUA & NCSR Demokritos, Greece, completed December 2023)
- Eirini Gratsia (Medical School, Med School, Univ of Crete, Greece, completed April 2024)
- Dinopoulou Melina (Biology Dep., NKUA & NCSR Demokritos, Greece, completed June 2024)
- Vasso Kokkovou (Biology Dep., NKUA & NCSR Demokritos, completed Dec 2024)
- Eleni Papageorgiou (Biology Dep., NKUA & NCSR Demokritos, completed Dec 2024)
- Trypila Efthymia (Biology Dep., NKUA & NCSR Demokritos, completed July 2025)

ORAL COMMUNICATIONS IN SCIENTIFIC MEETINGS (selected)

1. "Identifying the molecular <footprints> of chronic stress and its biomarker potential on Alzheimer's disease brain pathology" Mediterranean Neuroscience Society - MNS 2025, 7-11 June 2025, Chania, Greece.
2. "Exosomes and cannabidiol in Stress and Alzheimer's disease brain pathologies" European Society of Neurochemistry – Hellenic Society for Neuroscience (ESN-HSfN) 2025 conference – Invited speaker
3. "Novel therapeutics against Alzheimer disease: from ASOs and cannabinoids to classical psychedelics" – 2nd Psychedelics Symposium, Prague, Czech republic (April 2025) – Invited Speaker

4. "Exosome and Chronic stress in precipitation and diagnosis of Alzheimer disease brain pathology" 17th Panhellenic Conference of Alzheimer's disease, Thessaloniki, Greece (Febr 2025) – Invited Speaker
5. "Chronic stress and exosomes in precipitation and diagnosis of Alzheimer's disease" GeNeDis 2024, Athens, Greece (October 2024) – Invited Speaker
6. "Extracellular vesicles as an innovative biomarker tool" – ECNP 2024 meeting, Milan, Italy (Sept 2024) – Invited Speaker
7. "Chronic stress and exosomes as key players in precipitation and diagnosis of Alzheimer's disease", Catania International School of Neuroscience 2024, Catania, Italy (July 2024) – Invited Speaker
8. "Neurons vs microglia: dissecting their interplay in stress-driven brain pathology", Eurogenesis 2024, Bordeaux, France (June 2024) – Invited Speaker
9. "Reduction of Tau in the adult brain dysregulates epigenetic homeostasis and neuroplasticity leading to cognitive and mood deficits", AD/PD International conference 2024, Lisbon, Portugal (March 2024) – Selected Speaker
10. "The etiopathogenic role and biomarker potential of chronic stress on Alzheimer's disease brain pathology" Steroids and Nervous system 2024, Tori, Italy (February 2024) – Invited Speaker
11. "A novel method for spontaneous release of small EVs from human and mouse brain" ISEV symposium neuroEVs, Rome, Italy (December 2023) – Selected Speaker
12. "Chronic Stress and Exosomes as key players in progression and diagnosis of Alzheimer's disease" - Mediterranean Neuroscience Society conference 2023, Cartage, Tunisia (October 2023) – Symposium Organizer & Speaker
13. "Preclinical research & small EV: tasks and promises" European College of Neuropsychopharmacology (ECNP) 2023 meeting, Barcelona, Spain (October 2023) – Education committee speaker
14. "The Stressed brain: a gate along the pathway from depression to Alzheimer's disease"- 5th NO-AgingAD, Oslo, Norway (September 2023) – Invited Speaker
15. "RNA-binding proteins and Stress granules in brain plasticity and pathology" FENS Regional meeting 2023, Algarve, Portugal (May 2023) – Symposium Organizer & Speaker
16. "Persistent pain causes Tau-mediated hippocampal malfunction and memory deficits", 4th EuroTau 2023, Lille, France (April 2023) – Invited speaker
17. "Novel method of spontaneously-released extracellular vesicles isolation from mouse and human brain: implications for brain pathology" AD/PD 2023 conference, Gothenburg, Sweden, (April 2023) – Selected speaker
18. "A novel isolation method for spontaneously released extracellular vesicles from brain tissue and its implications for stress-driven brain pathology" – ISEV workshop QuantitatEVs, Trento, Italy (January 2023) – Selected Speaker
19. "Exosomes and psychological Stress: key players in initiation and progression of Alzheimer's disease brain pathology" – 7th Hellenic Dementia meeting, Portaria, Greece (November 2022) – Invited Speaker & Symposium organizer
20. "Chronic stress and exosomes: key players in progression and diagnosis of Alzheimer's disease" – Hellenic Society of basic and Clinical Pharmacology, Arta, Greece (October 2022) – Invited Speaker
21. "Lifetime stress on brain neuroplasticity and neuropathology: how can we model it?" - Blue Brain Workshop: Mouse neuronal morphologies in health and disease: reconstruction, analysis and modelling Geneve, Switzerland, (October 2022) – Invited Speaker.
22. "Exosomes and Alzheimer's disease in the new era of Precision Medicine" – International Society of Molecular Neurodegeneration – ISMND 2022, Athens, Greece (October 2022) – Invited Speaker
23. "Chronic Stress & Exosomes: key players in progression and diagnosis of Alzheimer's disease" – Mediterranean Neuroscience Society 2022- Dubrovnik, Croatia (June 2022) – Symposium Organizer & Speaker
24. "Εξωσώματα και Χρόνιο στρες: κομβικοί παράγοντες στην εξέλιξη και διάγνωση της νόσου Αλτσχάιμερ» 2nd conference Εγκέφαλος & Νους, Athens, Greece (Nov 2021) -Invited Speaker
25. "Exosomes and psychological stress as essential factors in progression and diagnosis of Alzheimer's disease" 71th conference of Hellenic Society of Biochemistry & Molecular Biology, Athens, Greece (Nov 2021) – Selected talk
26. "Exosome secretion of Tau: a potential biomarker in Stress and Alzheimer's disease pathologies" Portuguese Society for Neuroscience 2021, Coimbra, Portugal (Dec 2021) – Invited Speaker
27. Chronic Stress & Exosomes: key players in progression and diagnosis of Alzheimer's disease – 71^o conference Hellenic Society of Molecular Biology & Biochemistry, Athens, Greece (Nov 2021)
28. A novel method of spontaneously-released extracellular vesicles isolation from mouse and human brain, 3rd EuroTau conference, Lille, France (October 2021) -Invited Speaker

29. "Neuronal sorting and secretion of Tau protein in Stress and Alzheimer's disease pathologies" – 6th Meeting of Dementia and Alzheimer's disease, Volos, Greece (Nov 2019) – Invited Speaker
30. "Endolysosomal sorting and RNA-protein biology in stress-driven brain pathology: exploring the link between depression to Alzheimer's disease", The 28th Meeting of the Hellenic Society for Neuroscience, Heraklion, Greece (October 2019)
31. "Stress granules and Tau protein interplay in stress-driven brain pathology: implication for Alzheimer and depression disorders" 32th ECNP conference, Copenhagen, Denmark (Sept 2019)- Symposium Organizer & Speaker
32. "The Key role of Tau protein in Stress and Alzheimer's disease synaptic pathologies" – EBPS 2019 Biennial Meeting – Talk at Symposium, Braga, Portugal (Aug 2019)
33. "Novel insights of Tau RNA-protein biology in the precipitating role of chronic stress on Alzheimer's disease brain pathology" -Oral presentation at Alzheimer Association International Conference (AAIC) 2019, Los Angeles, USA (July 2019) – Fellowship award.
34. "RNA-protein biology of Tau in stress and Alzheimer's disease brain pathology" Portuguese Neuroscience Society - SPN XVI meeting, Lisbon, Portugal (May 2019)
35. "Tau therapeutics in stress-driven brain pathology: a link between depression and Alzheimer's disease"- 53th meeting of European Society Clinical Investigation (ESCI), Coimbra, Portugal -Invited talk
36. "Tau-dependent and -independent mechanisms of adult cytogenesis suppression in stress-driven brain pathology" at 4th Eurogenesis Conference, Bordeaux, France (June 2019)- Invited Speaker
37. "Tau therapeutics in and beyond Alzheimer's disease" at MNS meeting, Marrakesh, Marocco (June 2019)
38. "Endolysosomal sorting and degradation of Tau protein and its role in stress-driven hippocampal malfunction" at 14th AD/PD international Conference, Lisbon, Portugal (March 2019) – Accepted talk
39. "Tau therapeutics in Alzheimer's disease & stress-driven depressive pathologies" 11th Panhellenic Conference of Alzheimer's disease, Thessaloniki, Greece (Febr 2019) - Invited talk
40. "Tau therapeutics in brain pathology: the link between depression and Alzheimer's disease" at 10th Conference of the Hellenic Basic & Clinical Pharmacology Society (invited talk at symposium), Ioannina, Greece (May 2018).
41. "Endolysosomal sorting and degradation of tau and its role in glucocorticoid-driven hippocampal malfunction" at 2nd EuroTau Conference (Symposium), Lille, France (April 2018).
42. "Tau-dependent suppression of adult neurogenesis in the stressed hippocampus at SfN 2017 (Symposium), Washington DC, USA (November 2017).
43. Tau protein is essential for stress-driven depressive pathology and cognitive deficits" at AD/PD 2017 (invited talk at symposium), Vienna, Austria (March 2017).
44. "Absence of Tau prevents stress-induced neuronal atrophy: the role of synaptic mitochondria" at SfN 2016 (Symposium), San Diego, USA (November 2016).
45. "Microtubule-associated protein Tau is essential for stress-driven hippocampal pathology" at SfN 2016 (nanosymposium), San Diego, USA (November 2016).
46. "Ablation of Tau prevents stress-induced dendritic and synaptic atrophy in prefrontal cortex: the role of synaptic mitochondria" - at Alzheimer Association International Conference (AAIC) 2016, Toronto, Canada (July 2016) – fellowship award.
47. "Tau protein is essential for stress driven depressive pathology and cognitive impairment" at 7th International Society of Neurochemistry (ISN) Special Conference- Coimbra, Portugal (June 2016)
48. "The role of Tau beyond AD: an focus on stress-related brain pathologies" 1st EuroTau Conference (Symposium), Lille, France (April 2017).
49. "A β and Tau therapeutics in stress-driven brain pathology: exploring the path from depression to Alzheimer's disease" – at FENS Regional meeting 2015 Thessaloniki, Greece (October 2015).
50. "Microtubule-associated protein Tau is important for stress-driven depressive pathology and cognitive deficits" - at Alzheimer Association International Conference (AAIC) 2015, Washington DC, USA (July 2015).
51. "Absence of Tau triggers age-dependent sciatic nerve morphofunctional deficits and motor impairment" - at Alzheimer Association International Conference (AAIC) 2015 Washington DC, USA (July 2015).
52. "Sex-dependent vulnerability and response of brain circuits in affective disorders and treatment: evidence from preclinical models" – at 12th World Conference of Biological Psychiatry, Athens, Greece 2015 (June 2015).
53. "Tau protein is important for stress-driven depressive pathology and cognitive deficits" – at 12th World Conference of Biological Psychiatry, Athens, Greece 2015 (June 2015).

54. "Tau missorting as part of glucocorticoid-triggered synaptic pathology" Alzheimer's & Parkinson's diseases (AD/PD) International Conference 2015 - Nice, France (March 2015).
55. "Tau depletion results in altered pain sensation and sciatic nerve structure" at Alzheimer Association International Conference (AAIC) 2014, Copenhagen, Denmark (July 2014).
56. "Chronis stress, and Tau pathology: current evidence for preclinical studies". The Biology and Pathology of Tau and its role in tauopathies II, Cambridge, UK (January 2012).
57. "The interplay of stress, amyloid and Tau in brain aging and pathology". EU Lifespan Network: Genes and Ageing meeting 2011 Paris, France (July 2011).
58. "Chronic stress, Amyloid β and Tau: the triangle of oblivion" International Society of Neurochemistry (ISN) 2011 meeting, Athens, Greece (June 2011).
59. "Stress and glucocorticoid footprints in the brain – the path from depression to Alzheimer's disease" 7th International Congress on the Improvement of the Quality of Life on Dementia, Parkinson's disease, Epilepsy, MS and Muscular Disorders Thessaloniki, Greece (January 2009).
60. "Gender-dependent neurodegenerative potential of chronic stress in P301L-Tau Tg mouse model" 11th International Meeting of Alzheimer's Disease and Related Disorders, Chicago, USA (July 2008).
61. "Neurodegenerative role of chronic stress in AD Tg mice; implications in human tauopathies" - at 22th Greek Neuroscience Meeting, Athens, Greece (May 2008).

PATENTS & COLLABORATION WITH INDUSTRY/COMPANIES

- Patented (Europe) protocol for novel spontaneous released exosome (2022)
- Recently established collaboration and signed contract with *Servier* pharmaceutical company (France) for performing multilevel in vivo analysis of a novel compound targeting both depressive and Alzheimer's pathologies
- Collaboration with pharmaceutical company (Portugal) for in vitro testing of novel compounds
- Collaboration with Abcam company (UK) as scientific advisor of Alzheimer's disease/ neurodegeneration portfolio and Ab testing lab center <http://www.abcam.com/neuroscience/ioannis-sotiropoulos>
- Cell Signaling company (USA/Europe) as Ab testing lab center.

OUTREACH ACTIVITIES

- Editor and author of the book about Alzheimer's disease for the general audience "Όταν η λογική κυνηγάει την μνήμη" (in Greek) published by Crete University Press (May 2021). <https://www.cup.gr/book/otan-i-logiki-kynigaei-ti-mnimi/>
- Talks for general audience promoting science to society:
 - TV talks about the societal impact of Alzheimer's disease
https://www.youtube.com/watch?v=urE_ctkYNVA
https://www.youtube.com/watch?v=5N5Ew7_VqZ0&t=7144s
 - Talk in multidisciplinary conferences e.g. «Εγκέφαλος & Νους»: <https://www.blod.gr/lectures/hronio-stres-kai-eksosomata-stin-ekseliksi-kai-diagnosi-tis-nosou-altshaimer/>
<https://www.youtube.com/watch?v=P5YTcj5-cy0&list=PLTNrq5FXTF7qjFtZrBnOFM1UxxiWJ6s1m&index=18>
 - International Brain Week 2019 - Stavros Niarxos Foundation www.exploringthebrain.gr
 - Alzheimer Global Summit 2017 <https://www.youtube.com/watch?v=eLjlsI6TQwc>
 - Institute of Biology & Medicine of Stress

<http://www.blod.gr/lectures/Pages/viewlecture.aspx?LectureID=3259>

- Janssen Price 2016 - *OpenDoor* lecture <https://www.youtube.com/watch?v=HR-1vtMvg1o>

- Talk about the role of chronic stress in the initiation of brain disease

e.g. Eugenides Foundation, Athens, Greece

<http://www.blod.gr/lectures/pages/viewlecture.aspx?lectureid=437>

<http://www.blod.gr/lectures/Pages/viewevent.aspx?EventID=671>

- Participation in Brain Awareness Weeks co-funded by The Dana Alliance for Brain Initiatives for the general audience
 - e.g. - Medical School of Athens University, Greece
 - Medical School of University of Minho, Portugal
 - different actions in different municipalities in Greece

- Talks to Associations of Alzheimer's disease patients in different Greek cities (e.g. Athens, Patra, Larissa, Heraklion, Ioannina, Amaliada)
 - e.g. <https://www.youtube.com/watch?v=ykra5b1oORg>