CURRICULUM VITAE-SPIROS EFTHIMIOPOULOS

PERSONAL INFORMATION	
SURNAME	Efthimiopoulos
NAME	Spyridon (Spiros)
DATE OF BIRTH	01-01-1963
HOME ADDRESS	Karaiskaki 20, 190 10 Kalyvia Thorikou, Athens Metropolitan Area, Greece
WORK e-Mail	efthis@biol.uoa.gr
WORK TEL.	0030-210-7274890
HOME/MOBILE TEL.	0030-2299016195/ 0030-6974874328

CURRENT POSITION(S)	
2013-present	Professor, Faculty of Natural Sciences, Department of Biology, National and Kapodistrian University of Athens
2015-present	Founder and Director of the Athens International Master's Programme in Neurosciences
2019-present	Founder and Deputy Director of the Master's program «Social Neuroscience, Social Pedagogy, and Education», at the Faculty of primary Education of the University of Athens
2019-present	Director of the Division of Animal and Human Physiology, Department of Biology, National and Kapodistrian University of Athens

PREVIOUS POSITION(S)	
2007-2013	Associate Professor, Faculty of Natural Sciences, Dept Biology, National & Kapodistrian University of Athens
2001-2007	Assistant Professor, Faculty of Natural Sciences, Department of Biology, National and Kapodistrian University of Athens
1994-2001	Research Assistant Professor, Dept. of Psychiatry, Mount Sinai School of Medicine
1991-1994	Post-doctoral fellow, Dept. of Psychiatry, Mount Sinai School of Medicine

EDUCATION	
1986-1991	Ph.D. Neurobiology, University of Patras, Department of Biology
1981-1986	B.S. Biology, University of Patras, Department of Biology

PUBLICATIONS (SELECTED)
Knockdown of Amyloid Precursor Protein Increases Ion Channel Expression and Alters Ca^{2+} Signaling Pathways. Paschou M, Liaropoulou D, Kalaitzaki V, **Efthimiopoulos S**, Papazafiri P. Int J Mol Sci. 2023 Jan 24;24(3):2302. doi: 10.3390/ijms24032302. PMID: 36768625
Long Homer proteins homo- and heterodimerize and their declustering is independent of calcium elevation. Tsampoula M, Thomaidou S, Papadogiannaki G, Liakos A, Kyratzi E, **Efthimiopoulos S**. SIBIRE 2022; Vol. 1(1). a0000057. Available from: http://www.education-publications.org/index.php/sibire/article/view/57
Amyloid-β Protein Precursor Regulates Depolarization-Induced Calcium-Mediated Synaptic Signaling in Brain Slices. Chatzistavraki M, Papazafiri P, Efthimiopoulos S. J Alzheimers Dis. 2020;76(3):1121-1133. doi: 10.3233/JAD-200290.PMID: 32597808
Investigation of genetic base in the treatment of age-related macular degeneration. Gourgouli K, Gourgouli I, Tsaousis G, Spai S, Niskopoulou M, **Efthimiopoulos S**, Lamnissou K. Int Ophthalmol. 2020 Apr;40(4):985-997. doi: 10.1007/s10792-019-01274-7. Epub 2020 Jan 8. PMID: 31916060
Design and synthesis of gallocyanine inhibitors of DKK1/LRP6 interactions for treatment of Alzheimer's disease. Thysiadis S, Katsamakas S, Mpousis S, Avramidis N, **Efthimiopoulos S**, Sarli V. Bioorg Chem. 2018 Oct;80:230-244. doi: 10.1016/j.bioorg.2018.06.018. Epub 2018 Jun 12. PMID: 29966869
An integrated bacterial system for the discovery of chemical rescuers of disease-associated protein misfolding. Matis I, Delivoria DC, Mavroidi B, Papaevgeniou N, Panoutsou S, Bellou S, Papavasileiou KD, Linardaki ZI, Stavropoulou AV, Vekrellis K, Boukos N, Kolisis FN, Gonos ES, Margarity M, Papadopoulos MG, **Efthimiopoulos S**, Pelecanou M, Chondrogianni N, Skretas G. Nat Biomed Eng. 2017 Oct;1(10):838-852. doi: 10.1038/s41551-017-0144-3. Epub 2017 Oct 10. Erratum in: Nat Biomed Eng. 2018 Jan;2(1):49.
Oxygen and Glucose Deprivation Alter Synaptic Distribution of Tau Protein: The Role of Phosphorylation. Mavroeidi P, Mavrofrydi O, Pappa E, Panopoulou M, Papazafiri P, Haralambous S, **Efthimiopoulos S**. J Alzheimers Dis. 2017;60(2):593-604. doi: 10.3233/JAD-170157. PMID: 28869464
Serum Starvation Induces BACE1 Processing and Secretion. Stavropoulou AV, Mavrofrydi O, Saftig P, **Efthimiopoulos S**. Curr Alzheimer Res. 2017;14(4):453-459. doi: 10.2174/1567205013666161026091530.
Synthesis and evaluation of gallocyanine dyes as potential agents for the treatment of Alzheimer's disease and related neurodegenerative tauopathies. Mpousis S, Thysiadis S, Avramidis N, Katsamakas S, **Efthimiopoulos S**, Sarli V. Eur J Med Chem. 2016 Jan 27;108:28-38. doi: 10.1016/j.ejmech.2015.11.024. Epub 2015 Nov 22. PMID: 26629858

PUBLICATIONS CONTINUED
Structural and regulatory elements of the interaction between amyloid-β protein precursor and Homer3. Kyratzi E, Liakos A, Papadogiannaki G, **Efthimiopoulos S**. J Alzheimers Dis. 2015;45(1):147-57. doi: 10.3233/JAD-141992. PMID: 2558972
Calcium regulates the interaction of amyloid precursor protein with Homer3 protein. Kyratzi E, **Efthimiopoulos S**. Neurobiol Aging. 2014 Sep;35(9):2053-63. doi: 10.1016/j.neurobiolaging.2014.03.019. Epub 2014 Mar 27. PMID: 24792907.
BRI2 interacts with BACE1 and regulates its cellular levels by promoting its degradation and reducing its mRNA levels. Tsachaki M, Fotinopoulou A, Slavi N, Zarkou V, Ghiso J, **Efthimiopoulos S**. Curr Alzheimer Res. 2013 Jun;10(5):532-41. PMID: 23701002.
Downregulation of AβPP enhances both calcium content of endoplasmic reticulum and acidic stores and the dynamics of store operated calcium channel activity. Chatzistavraki M, Kyratzi E, Fotinopoulou A, Papazafiri P, **Efthimiopoulos S**. J Alzheimers Dis. 2013;34(2):407-15. doi: 10.3233/JAD-121768. PMID:
Glycosylation of BRI2 on asparagine 170 is involved in its trafficking to the cell surface but not in its processing by furin or ADAM10. Tsachaki M, Serlidaki D, Fetani A, Zarkou V, Rozani I, Ghiso J, **Efthimiopoulos S**.Glycobiology. 2011 Oct;21(10):1382-8. doi: 10.1093/glycob/cwr097. Epub 2011 Jul 13.
BRI2 homodimerizes with the involvement of intermolecular disulfide bonds. Tsachaki M, Ghiso J, Rostagno A, **Efthimiopoulos S**. Neurobiol Aging. 2010 Jan;31(1):88-98. doi: 10.1016/j.neurobiolaging.2008.03.004. Epub 2008 Apr 28.
Homer2 and Homer3 interact with amyloid precursor protein and inhibit Abeta production. Parisiadou L, Bethani I, Michaki V, Krousti K, Rapti G, **Efthimiopoulos S**. Neurobiol Dis. 2008 Jun;30(3):353-64. doi: 10.1016/j.nbd.2008.02.004. Epub 2008 Mar 10
Presenilin 1 and cadherins: stabilization of cell-cell adhesion and proteolysis-dependent regulation of transcription. Parisiadou L, Fassa A, Fotinopoulou A, Bethani I, **Efthimiopoulos S**. Neurodegener Dis. 2004;1(4-5):184-91.
Expression of mDab1 promotes the stability and processing of amyloid precursor protein and this effect is counteracted by X11alpha. Parisiadou L, **Efthimiopoulos S**. Neurobiol Aging. 2007 Mar;28(3):377-88. Epub 2006 Feb 3.
BRI2 interacts with amyloid precursor protein (APP) and regulates amyloid beta (Abeta) production. Fotinopoulou A, Tsachaki M, Vlavaki M, Poulopoulos A, Rostagno A, Frangione B, Ghiso J, **Efthimiopoulos S**. J Biol Chem. 2005 Sep 2;280(35):30768-72. Epub 2005 Jul 18. PMID: 16027166
A presenilin-1/gamma-secretase cleavage releases the E-cadherin intracellular domain and regulates disassembly of adherens junctions. Marambaud P, Shioi J, Serban G, Georgakopoulos A, Sarner S, Nagy V, Baki L, Wen P, **Efthimiopoulos S**, Shao Z, Wisniewski T, Robakis NK. EMBO J. 2002 Apr 15;21(8):1948-56.
Presenilin-1 binds cytoplasmic epithelial cadherin, inhibits cadherin/p120 association, and regulates stability and function of the cadherin/catenin adhesion complex. Baki L, Marambaud P, **Efthimiopoulos S**, Georgakopoulos A, Wen P, Cui W, Shioi J, Koo E, Ozawa M, Friedrich VL Jr, Robakis NK. Proc Natl Acad Sci U S A. 2001 Feb 27;98(5):2381-6.
Presenilin-1: a component of synaptic and endothelial adherens junctions. Georgakopoulos A, Marambaud P, Friedrich VL Jr, Shioi J, **Efthimiopoulos S**, Robakis NK. Ann N Y Acad Sci. 2000;920:209-14. Review. No abstract available.
Presenilin-1 forms complexes with the cadherin/catenin cell-cell adhesion system and is recruited to intercellular and synaptic contacts. Georgakopoulos A, Marambaud P, **Efthimiopoulos S**, Shioi J, Cui W, Li HC, Schütte M, Gordon R, Holstein GR, Martinelli G, Mehta P, Friedrich VL Jr, Robakis NK. Mol Cell. 1999 Dec;4(6):893-902.
Inhibition of neurite outgrowth by familial Alzheimer's disease-linked presenilin-1 mutations. Dowjat WK, Wisniewski T, **Efthimiopoulos S**, Wisniewski HM. Neurosci Lett. 1999 May 28;267(2):141-4.
Distinct secretases, a cysteine protease and a serine protease, generate the C termini of amyloid beta-proteins Abeta1-40 and Abeta1-42, respectively. Figueiredo-Pereira ME, **Efthimiopoulos S**, Tezapsidis N, Buku A, Ghiso J, Mehta P, Robakis NK. J Neurochem. 1999 Apr;72(4):1417-22. PMID: 10098844.