

## CURRICULUM VITAE of CATERINA PSARROPOULOU

### STUDIES

- 1984 Pharmacist, University of Patras
- 1990 PhD, Medical School, University of Patras

### RESEARCH TRAINING

- 1987-1988 Research Assistant in the Physiological Institute, Medical School, Johannes Gutenberg Univ., Mainz, Germany (supervisor Prof H.L. Haas)
- 1990-1993 Postdoctoral Fellow, Montreal Neurological Institute, Montreal, Quebec, Canada. supervisor Prof M. Avoli.

### POSTS

- 1993-94 Chargé d'enseignement, Department of Physiology and Biophysics, Faculty of Medicine, University of Sherbrooke, Sherbrooke, Quebec, Canada
- 1994-1997 Professeure adjointe, Department of Physiology and Biophysics, Faculty of Medicine, University of Sherbrooke, Sherbrooke, Quebec, Canada
- 1997- Chercheure professeure adjointe, Dept of Pediatrics, Faculty of Medicine, Université de Montréal, Montreal, Quebec, Canada
- 2004- Professor, Dept of Biological Applications & Technology, University of Ioannina

### AWARDS

- 1985-1988 PhD scholarship, National Foundation of Scholarships, IKY Greece.
- 1991-1992 Postdoctoral Fellowship, Savoy Foundation for Epilepsy, Quebec, Canada.
- 1992-1993: Postdoctoral Fellowship, American Epilepsy Foundation, U.S.A..
- 1994-1997 Chercheur Boursieur Junior I, Fonds de Recherche en Santé du Québec
- 1999-2002 Chercheur Boursieur Junior II, Fonds de Recherche en Santé du Québec

### TEACHING

- Before 2004: Undegraduate course of Physiology (participation), Graduate courses of Neurosciences (participation) in Canada
- 2004- Animal Physiology I and II (core course, theory, labs)
- 2008- Neurotransmitters and Behavior (elective course, theory)
- 2011-2013 Membrane Biophysics (elective course, theory)
- 2005 & 2010 Participation in Postgraduate program University of Athens
- 2010-11 Participation in Postgraduate program, Aristotle University
- 2016- Participation in Postgraduate program, Medical School, University of Ioannina

### INVITED SPEAKER

>33 invitations to date

### CHAIRING SCIENTIFIC CONGRESS SESSIONS

- 2008 22th Panhellenic Neurosciences Congress, Athens 16-19 October 2008
- 2008 4th Panhellenic Epilepsy Congress, Alexandroupolis 14-16 November 2008
- 2009 Round Table organization (basic science session), 5o Panhellenic Epilepsy Congress 2-4 September Chania
- 2015 FFRM (FENS Regional Meeting), 7-10 October 2015, Thessaloniki
- 2017 11th Panhellenic Epilepsy Congress, Thessaloniki 26-28 May 2017

2018 12th Panhellenic Epilepsy Congress Ioannina, 18-20 May 2018.

#### ORGANIZING COMMITTEES of SCIENTIFIC CONGRESSES

- 2013 (22-24 Feb) 1st Postgraduate Symposium on Clinical and Translational Medicine organized by the World Hellenic Biomedical Association. Μέλος της Επιστημονικής/Οργανωτικής Επιτροπής
- 2015 Local Organizing Committee of FENS Regional Meeting, 7-10 October 2015, Thessaloniki.
- 2018 Local Organizing Committee of 12th Panhellenic Epilepsy Congress, Ioannina, 18-20 May 2018

#### ORGANIZATION OF SEMINARS

Over 30 invited speakers since 2001, as part of my teaching/scientific duties

#### MEMBER OF JURY FOR PHD THESES

About 15 since 1999

#### MEMBER OF SCIENTIFIC ORGANIZATIONS

International Brain Research Organization (IBRO), [Society for Neuroscience (U.S.)]\*, [American Epilepsy Society (U.S.)], Federation of European Neuroscience Societies (FENS), Hellenic Neuroscience Association, [Canadian Association for Neuroscience], Hellenic Association of Physiologists

\*[membership has expired]

#### RESEARCH FUNDING

##### **P.I. in all projects unless otherwise mentioned**

1993	Sherbrooke Univ.	equipment	
1994-97	FCAR <sup>1</sup>	operating	
1994-97	FCAR	equipment	
1994-1997	FRSQ* <sup>2</sup>	oper-equipm	
	(*awarded but not allocated because of other concurrent public funds - FCAR)		
1996-97	Savoy Foundation	operating/équipement	
1997-98	Savoy Foundation	operating/équipement	
1998-2002	NSERC <sup>3</sup>	operating/équipement	
2001-2002	Savoy Foundation	operating/équipement	
2001-2004	HSF <sup>4</sup> of Canada		
2001-2002	Centre de Recherche de l'hôpital Ste-Justine	(group grant-collaborator)	
2002-2006	NSERC <sup>3</sup>	operating, <u>renewal</u>	
2002	NSERC <sup>3</sup>	equipment	
2005	PYTHAGORAS II <sup>5</sup>	operating	
2007	Public Investment Program of P.I. (following application)	equipment	
2011	THALES <sup>6</sup>	operating	
	<i>Collaborator, P.I Prof Angelatou, University of Patras</i>		
2019	ΕΛΙΔΕΚ (H.F.R.I. <sup>7</sup> ), «Optogenetic functional mapping of the mouse CA1 hippocampal area using genetically encoded voltage indicators»	equipm., oper.	
	<i>Collaborator, P.I Assist. Prof E. Kosmidis, Aristotle University (Thessaloniki)</i>		

<sup>1</sup> Fonds pour la formation de Chercheurs et l'Aide à la Recherche

<sup>2</sup> Fonds de Recherche en Santé du Québec

<sup>3</sup> Natural Sciences and Engineering Research Council of Canada

<sup>4</sup> Heart & Stroke Foundation of Canada]

<sup>5</sup> European & National Funds, Ministry of Education

<sup>6</sup> European & National Funds, National Strategic Reference Framework

<sup>7</sup> Hellenic Foundation for Research & Innovation

#### RESEARCH SUPERVISION OF STUDENTS

Since 2004 (at my current post)

- 2005- Participation in the supervision of >30 Diploma Projects representing the Dept of Biological Applications & Technology

2005-to date	Supervised 10 Diploma Projects (9 completed, 1 current)
2008-2017	Supervised 2 PhD students (completed, A. Mikroulis, CP Lisgaras)
2015-to date	Currently supervising the PhD thesis of Maria-Eleni Evangelaki

#### COMMITTEE MEMBER

I have participated in several committees for the allocation of research grants and/or scholarships in Canada (before 2004: NSERC, FRSQ, also external reviewer) and in Greece (since 2004, mostly external reviewer). Recently, NSERC Discovery Grants Committee member (2019-21, [https://www.nserc-crsng.gc.ca/NSERC-CRSNG/committees-comites/GenesCellsMolecules-GenesCellulesMolecules\\_eng.asp](https://www.nserc-crsng.gc.ca/NSERC-CRSNG/committees-comites/GenesCellsMolecules-GenesCellulesMolecules_eng.asp)),

#### SCIENTIFIC JOURNAL REVIEWER

So far, I have served as reviewer in the following journals (number of articles per journal in parentheses)

Brain Res. Bulletin (2 articles), Brain Res. (6 articles), Neuroscience Letters (5 articles), Neuroscience (4 articles), J Pharmacol. Exp. Therapeutics (7 articles), Epilepsia (9 articles), Eur. J. Neuroscience (1 article), BioMed Central Neuroscience (e-Journal, 1 article), Biochemical Pharmacology (1 article), Life Sciences (3 articles), Neurobiology of disease (2 articles), Brain and Behavior (1 article), Pharmacological Research (1 article), International Journal of Medical Sciences (1 article), Biochemical Pharmacology (2 articles), Epileptic Disorders (2 articles), PLOS ONE (1 article), British Journal of Pharmacology (1 article)

#### ADMINISTRATIVE DUTIES

2005-2006	Vice Chairman of Dept of Biological Applications & Technology
2006-2009	Chairman of Dept of Biological Applications & Technology
2017	(Sept-November) served as Interim Chairman of Dept of Biological Applications & Technology

As a professor (since 2004) and Chairman (2005-9) of the Dept of Biological Applications & Technology, I have served in many committees, have represented the Dept in University Committees and Assemblies (notably in the Senate) etc, too numerous to mention. I will mention only one achievement: the Dept has obtained diploma certification and has secured the professional rights of our graduates during my Chairmanship (2008) with a Presidential Decree published in the Governmental Bulletin (ΦΕΚ 247, Τεύχος Α, Δεκ. 2008, σελ. 4007-8, see site <http://www.bat.uoi.gr/dikaiomata.php>), the first of its kind (i.e. among similar University programs) in Greece.

#### PARTICIPATION IN ELECTORATE BODIES

Since 2004, I have served in over 30 electorates within the Dept and/or the University of Ioannina and several in other Greek Universities (approximately 5 per year)

#### PUBLICATIONS - (students names are in *italics*)

##### ARTICLES

1. **C. Psarropoulou**, F. Angelatou, N. Matsokis, D.K. Veronikis and G. Kostopoulos (1987). Absence of modification in GABA and benzodiazepine binding and in choline acetyltransferase activity in brain areas of the epileptic mutant mouse tottering. *Gen. Pharmacol.* **18**: 593-597.
2. G. Kostopoulos, **C. Psarropoulou** and H.L. Haas (1988). Membrane properties, response to amines and to tetanic stimulation of hippocampal neurons in the genetically epileptic mutant mouse tottering. *Exp. Brain Res.* **72**: 45-50.
3. **C. Psarropoulou** and H.L. Haas (1989). Action of anticonvulsants on hippocampal slices in Mg-free medium. *Naunyn-Schmiedeberg's Arch. Pharmacol.* **339**: 613-616.
4. G. Kostopoulos and **C. Psarropoulou** (1989). *In vitro* electrophysiology of a genetic model of generalized epilepsy. In: Generalized Epilepsy. Eds: M. Avoli, P. Gloor, G. Kostopoulos and R. Naquet, *Birkhäuser Boston*, pp 137-157.

5. **C. Psarropoulou** and G. Kostopoulos (1990). Long-term enhancement of postsynaptic excitability after brief exposure to Mg<sup>++</sup>-free medium in normal and epileptic mice. *Brain Res.* **508**: 70-75.
6. G. Kostopoulos and **C. Psarropoulou** (1990). Increased postsynaptic excitability in hippocampal slices from the epileptic mutant mouse tottering. *Epilepsy Res.* **6**: 49-55.
7. **C. Psarropoulou**, G. Kostopoulos and H.L. Haas (1990). An electrophysiological study of the ontogenesis of adenosine receptors in the CA1 area of rat hippocampus. *Dev. Brain Res.* **55**: 147-150.
8. **C. Psarropoulou** and H.L. Haas (1991). Anticonvulsant actions on hippocampal slices. In: Physiology, pharmacology and development of epileptogenic phenomena. Ed.: Klee M., Lux H.D. and Speckmann E.-J. *Springer-Verlag (Berlin-Heidelberg)* pp 250-253.
9. **C. Psarropoulou** and G. Kostopoulos (1991). Long-term increase in excitability induced by Mg<sup>++</sup>-medium in the absence of afferent stimulation in CA1 area of mouse hippocampal slices. *Neurosci. Lett.* **132**: 207-211.
10. **C. Psarropoulou** and M. Avoli (1992). CPP, an NMDA-receptor antagonist, blocks 4-aminopyridine-induced spreading depression episodes but not epileptiform activity in immature rat hippocampal slices. *Neurosci. Lett.* **135**: 139-143.
11. G. Kostopoulos and **C. Psarropoulou** (1992). Possible mechanisms underlying hyperexcitability in the epileptic mutant mouse tottering. *J. of Neural Transmission [Suppl.]* **35**: 109-124.
12. **C. Psarropoulou** and G. Kostopoulos (1993). Comparison of the effects of elevated potassium and of adenosine on hippocampal neurons from normal and genetically epileptic mice. *Epilepsia* **34(1)**: 24-32, 1993.
13. **C. Psarropoulou** and M. Avoli (1993). 4-aminopyridine-induced spreading depression episodes in immature hippocampus: Developmental and pharmacological characteristics. *Neurosci.* **V55 (1)**: 57-68.
14. M. Avoli, **C. Psarropoulou**, V. Tancredi and Y. Fueta (1993). On the synchronous activity induced by 4-aminopyridine in the CA3 subfield of juvenile rat hippocampus. *J. Neurophysiol.* **V70 (3)**: 1018-1029.
15. **C. Psarropoulou**, N. Matsokis, F. Angelatou and G. Kostopoulos (1994). Pentylentetrazol-induced seizures decrease GABA-mediated recurrent inhibition and enhance adenosine-mediated depression. *Epilepsia* **35 (1)**: 12-19.
16. **C. Psarropoulou** and M. Avoli (1995). Subthreshold membrane-potential oscillations in immature rat CA3 hippocampal neurones. *NeuroReport* **6(18)**: 2561-2564.
17. **C. Psarropoulou** and M. Avoli (1996). Developmental features of 4-aminopyridine induced epileptogenesis. *Devel. Brain Res.*, **94**: 52-59.
18. **C. Psarropoulou** and F. Dallaire (1998). Activation of muscarinic receptors during blockade of GABA<sub>A</sub>-mediated inhibition induces synchronous epileptiform activity in immature rat hippocampus. *Neuroscience*, **82(4)**: 1067-1077.
19. **C. Psarropoulou**, Jocelyn Beaucher and Charlene Harnois (1998). Comparison of the effects of M1 and M2 muscarinic receptor activation in the absence of GABAergic inhibition in immature rat hippocampal CA3 area. *Devel. Brain Res.*, **107(2)**: 285-290
20. S. Descombes, M. Avoli and **C. Psarropoulou** (1998). A comparison of the adenosine-mediated synaptic inhibition in the CA3 area of immature and adult rat hippocampus. *Devel. Brain Res.*, **110** : 51-59.
21. Edith Gruslin, Severine Descombes and **Caterina Psarropoulou** (1999) Epileptiform activity generated by endogenous acetylcholine during blockage of GABAergic inhibition in immature and adult rat hippocampus. *Brain Res.* **835(2)**: 290-297.
22. **C. Psarropoulou** and S. Descombes (1999). Differential bicuculline-induced epileptogenesis in rat neonatal, juvenile and adult CA3 pyramidal neurons *in vitro*. *Dev. Brain Res.* **117**: 117-120.
23. Sebastien Meilleur, Lionel Carmant and **Caterina Psarropoulou** (2000) Immature rat convulsions and long term effects on hippocampal cholinergic neurotransmission. *Neuroreport* **11(3)**: 521-524.
24. Soizic Potier and **Caterina Psarropoulou** (2001) Endogenous acetylcholine facilitates epileptogenesis in immature rat neocortex, *Neurosci. Lett.*, **302** : 25-28.
25. M. Emond, J. Renaud, S. Meilleur, **C. Psarropoulou** & L. Carmant L. (2002) AIDA, a class I metabotropic glutamate receptor antagonist limits kainate-induced hippocampal dysfunction. *Epilepsia* **43(11)**: 1306-17.

26. *Sébastien Meilleur*, Nicolas Aznavour, Laurent Descarries, Lionel Carmant, Orval A. Mamer & **Caterina Psarropoulou** (2003) Pentylentetrazol-induced seizures in immature rats provoke long-term changes in adult hippocampal cholinergic excitability. *Epilepsia* **44(4)**: 507-17.
27. **C. Psarropoulou**, M. Boivin & M.A. Laudadio (2003) Nicotinic effects on excitatory field potentials recorded from the immature CA3 area of rat hippocampal slices. *Exp Brain Res.* **152(3)**: 353-60.
28. S. Potier & **C. Psarropoulou** (2004) Modulation of muscarinic facilitation of epileptiform discharges in immature rat neocortex. *Brain Res.* **997(2)**: 194-206.
29. M.H. Scantlebury, P.L. Quellet, **C. Psarropoulou** & L. Carmant (2004) Freeze lesion-induced focal cortical dysplasia predisposes to atypical hyperthermic seizures in the immature rat. *Epilepsia.* **45(6)**: 592-600.
30. M.A. Laudadio & **C. Psarropoulou** (2004) The A3 adenosine receptor agonist 2-CI-IB-MECA facilitates epileptiform discharges in the CA3 area of immature rat hippocampal slices. *Epilepsy Res.* **59(2-3)**: 83-94.
31. S. Potier, J. Sénécal, J.G. Chabot, **C. Psarropoulou** & L. Descarries (2005) A pentylentetrazole-induced generalized seizure in early life enhances the efficacy of muscarinic receptor coupling to G-protein in hippocampus and neocortex of adult rat. *Eur J Neurosci.* **21(7)**: 1828-36.
32. M.H. Scantlebury, S.A. Gibbs, B. Foadjo, P. Lema, **C. Psarropoulou** & L. Carmant (2005) Febrile seizures in the predisposed brain: a new model of temporal lobe epilepsy. *Ann Neurol.* **58(1)**: 41-9.
33. Mikroulis A. & **Psarropoulou C.** (2012) Endogenous ACh effects on NMDA-induced interictal-like discharges along the septotemporal hippocampal axis of adult rats and their modulation by an early-life generalized seizure, *Epilepsia*, **53(5)**: 879-887.
34. Kouis P. \*, Mikroulis A. \* and **Psarropoulou C.** (2014) A single episode of juvenile status epilepticus reduces the threshold to adult seizures in a stimulus-specific way *Epilepsy Research*, v108, pp1564-1571 (\*equal contribution)
35. A.Mikroulis\*, C.-P. Lisgaras\* and **C. Psarropoulou.** (2018) Immature Status Epilepticus: *in vitro* models reveal differences in cholinergic control and HFO properties of adult CA3 interictal discharges in Temporal vs Septal hippocampus. *Neuroscience*, v369:386-398. doi: 10.1016/j.neuroscience.2017.11.029. (\*equal contribution)
36. A.Mikroulis\*, C.-P. Lisgaras\* and C. Psarropoulou. (2018) Immature Status Epilepticus: *in vitro* models reveal differences in cholinergic control and HFO properties of adult CA3 interictal discharges in Temporal vs Septal hippocampus. *Neuroscience*, v369:386-398. doi: 10.1016/j.neuroscience.2017.11.029. (\*equal contribution)

## BOOK CHAPTERS

1. **C. Psarropoulou** (2009), Changes in cholinergic synaptic activity and receptor function associated with seizures and epileptogenesis. In Philip A Schwartzkroin, Editor “Encyclopedia of Basic Epilepsy Research”, v2, pp871-877, Oxford, Academic Press
2. **C. Psarropoulou** (2010), Neurotransmitters, Ions, their Receptors and Channels, In T. Panayotopoulos, Editor, “The Atlas of Epilepsies”, Springer-Verlag Limited London, p185-192. DOI 10.1007/978-1-84882-128-6\_25,

## TEXTBOOKS – EDITING/TRANSLATION

- 2016 Co-Editor (with Assoc. Prof E Koletas) of the adaptation to Greek language of the textbook “Introduction to Human Physiology”, 8<sup>th</sup> edition by Lauralee Sherwood
- 2018 Translation in Greek of a chapter of the textbook “Molecular Cell Biology” by Lodish *et al* (2016) 8th edition (work in progress)

## ABSTRACTS (since 2004)

70. E. Papalexi, O. Chouliara, M. Marselos, **C. Psarropoulou** & K. Antoniou. (2006) Long-term consequences of early life seizures in behavioral phenotype of adult rat. Presented in the 20<sup>th</sup> Meeting

- of the Hellenic Society for Neuroscience Sept29-Oct1 2006. Published in the abstract volume of the Meeting.
71. A. Mikroulis, R. Liasko & C. Psarropoulou (2007) Endogenous ACh contribution to epileptiform discharges along the longitudinal hippocampal axis, in male and female rats. Presented in the 21th Meeting of the Hellenic Society for Neuroscience Nov30-Dec1 2007. Published in the abstract volume of the Meeting.
72. E. Papalexi, M. Dosi, O. Chouliara, R. Liasko, M. Marselos, C. Psarropoulou & K. Antoniou. (2007) Behavioral and neurobiological alterations in adulthood associated with early life seizures. Presented in the 21th Meeting of the Hellenic Society for Neuroscience Nov30-Dec1 2007. Published in the abstract volume of the Meeting.
73. E. Papalexi, S. Zisi, M. Iliopoulou, I. Kardari, V. Kloukina, C. Komini, S. Malandraki & C. Psarropoulou (2007) Behavioral changes in adult female rats after chronic moderate doses of ethanol. Presented in the 21th Meeting of the Hellenic Society for Neuroscience Nov30-Dec1 2007. Published in the abstract volume of the Meeting.
74. Mikroulis A. & Psarropoulou C (2008) Cholinergic effects on NMDA-dependent epileptiform discharges along the septotemporal axis in hippocampal slices from male and female rats. Bi-annual FENS Meeting in Geneva, Switzerland, July 12-16
75. Mikroulis A. & Psarropoulou C (2008) A comparison of the endogenous ACh modulatory effect on the NMDA-dependent interictal-like discharges along the longitudinal hippocampal axis, in adult, conditioned and naive, male and female, Wistar and Sprague-Dawley rats. Presented in the 22th Meeting of the Hellenic Society for Neuroscience Oct 16-19 2008. Published in the abstract volume of the Meeting.
76. Papalexi E, Dosi M, Koros C, Marselos M, Psarropoulou C and Antoniou K (2008) Behavioral and neurobiological changes induced by early life seizures in adult male and female rats Presented in the 22th Meeting of the Hellenic Society for Neuroscience Oct 16-19 2008. Published in the abstract volume of the Meeting.
77. A. Mikroulis & C. Psarropoulou (2009) Enhancement of NMDA-dependent interictal discharge rates by endogenous ACh, along the longitudinal hippocampal axis, in adult naive and conditioned rats. Presented in the Annual Meeting of the Hellenic Society of Biological Sciences, Patras, 14-16 May 2009. Published in the abstract volume of the Meeting.
78. A. Karampa, A. Mikroulis & C. Psarropoulou (2009) GABA<sub>A</sub> receptor antagonism during NMDA receptor activation transforms epileptiform discharges in rat hippocampal slices. Presented in Annual Meeting of the Hellenic Society of Biological Sciences, Patras, 14-16 May 2009. Published in the abstract volume of the Meeting.
79. Mikroulis A. & Psarropoulou C (2010) Comparison of muscarinic effects on NMDA-dependent spontaneous epileptiform discharges in septal and temporal rat hippocampal slices, and its modulation following a pentylenetetrazole-induced convulsion during development. Bi-annual FENS Meeting in Amsterdam, Netherlands, July 2010
80. P. Kouis, A. V. Mikroulis, C. Psarropoulou (2010) A single early life generalized seizure reduces the threshold to pilocarpine-induced seizures in adult rats. Hellenic Society for Neuroscience Meeting, Athens, October 1-2 Published in the abstract volume of the Meeting.
81. A. V. Mikroulis, C. Psarropoulou (2010) Comparison of muscarinic effects on NMDA-dependent spontaneous epileptiform discharges in septal and temporal rat hippocampal slices, and its modulation following a pentylenetetrazol-induced convulsion during development. Hellenic Society for Neuroscience, Athens, October 1-2. Published in the abstract volume of the Meeting.
82. PP. Kouis\*, A. Mikroulis\* and C. Psarropoulou (2011) A single early life generalized seizure reduces the threshold to pilocarpine-induced seizures in adult rats. Sixth Panhellenic Congress on Epilepsy, June 2011, Thessaloniki. Published in the abstract volume of the Meeting.  
\*equal contribution
83. A. Mikroulis, Ch. Labrakakis and C. Psarropoulou (2012) Comparison of endogenous-ACh-mediated interictal-discharge modulation in 4-AP and Mg-free models, along the septotemporal hippocampal axis and following early-life status epilepticus. Bi-annual FENS Meeting in Barcelona, Spain, July 2012.
84. Kattan F.G. \*, Papasideri I. \* and Psarropoulou C (2014) Hippocampal cal synchronous discharges *in vitro* in young rats prenatally exposed to alcohol. 36<sup>th</sup> Annual Meeting of the Hellenic Society of

- Biological Sciences (EEBE) Ioannina May 8-10 2014 (*\*equal contribution*)
- 85 C.P. Lisgaras and C. Psarropoulou (2014) Adult network activity in the CA3-mEC circuitry, in the 4-aminopyridine model, following immature Status Epilepticus. Bi-annual FENS Meeting in Milan, Italy, July 2014.
- 86 Lisgaras C., Mikroulis AV., Psarropoulou C. (2015) “Long-term changes in CA3 Interictal discharges *in vitro* following early-life Status Epilepticus: HFO analysis and role of Medial Entorhinal Cortex” FENS Regional Meeting, October 2015, Thessaloniki
- 87 Mikroulis AV., Lisgaras C., Psarropoulou C. (2015) “Interictal discharges *in vitro* following early-life Status Epilepticus: different models reveal changes in cholinergic control and HFO properties” FENS Regional Meeting, October 2015, Thessaloniki
- 88 Lisgaras C. and Psarropoulou C. (2016) “High frequency oscillation analysis of CA3 Interictal discharges *in vitro*, following immature Status Epilepticus” 2<sup>nd</sup> International Workshop on High Frequency Oscillations in Epilepsy, Freiburg, Germany, March 2016
- 89 Lisgaras C. and Psarropoulou C. (2016) “Epileptic seizures during CNS development: Long-term effects in adult brain function and HFOs, studied in the *in vitro* 4-aminopyridine model” 10<sup>th</sup> Panhellenic meeting of Greek Scientific League against Epilepsy (GrLAE), Athens, April 2016
- 90 Lisgaras C., Mikroulis A. and Psarropoulou C. (2016) “Adult hippocampal CA3 interictal discharges after immature Status Epilepticus: Two different *in vitro* models reveal aspects of SE-induced plasticity, with focus on cholinergic effects and oscillatory properties” *Intl conference on Excitatory-Inhibitory Signalling Balance as Therapeutic Target in Epilepsy, Montreal Neurological Institute and Hospital of McGill Univ., Montreal, QC, Canada, Aug. 2016*
- 91 Λισγάρας Χ., Μικρούλης Α. και Ψαρροπούλου Αικ., (2017) *In vitro* διερεύνηση επιληπτοειδών εκφορτίσεων μεσοκρυσιακού τύπου έπειτα από επιληπτική κατάσταση κατά την ανάπτυξη: χολινεργικές δράσεις και ταλαντωτικές ιδιότητες σε δύο διαφορετικά μοντέλα συγχρονισμού. 11<sup>ο</sup> Πανελλήνιο Συνέδριο Επιληψίας, Θεσσαλονίκη, 26-28 Μαΐου 2017.
- 92 Ευαγγελάκη Μ.-Ε. και Ψαρροπούλου Αικ., (2017) Επίδραση προγεννητικής έκθεσης σε αιθανόλη σε επιληπτοειδείς εκφορτίσεις ιπποκάμπου νεαρών επίμυων. 11<sup>ο</sup> Πανελλήνιο Συνέδριο Επιληψίας, Θεσσαλονίκη, 26-28 Μαΐου 2017.
- 93 Κλειδώνας Δ., Τρογκάνης Α., Σταμάτης Χ. και Ψαρροπούλου Αικ., (2017) Επίδρασεις εκχυλισμάτων φυτικών προϊόντων στα χαρακτηριστικά επιληπτοειδών εκφορτίσεων της περιοχής CA1 του ιπποκάμπου *in vitro* 11<sup>ο</sup> Πανελλήνιο Συνέδριο Επιληψίας, Θεσ/νίκη, 26-28 Μαΐου 2017.
- 94 Lisgaras Christos Panagiotis and Psarropoulou Caterina (2017) Region specific effects of immature status epilepticus on the adult hippocampal CA3 – medial Entorhinal Cortex circuitry *in vitro*. Bi-annual meeting the Hellenic Society for Neuroscience, Athens, Dec 8-10 2017. Published in the abstract volume of the Meeting and on line <https://www.hsfm.gr/wp-content/uploads/2017/12/Abstract-Book-Prefinal.pdf>
- 95 Evangelaki Maria-Eleni and Psarropoulou Caterina (2017) Cholinergic effects on hippocampal synchronous discharges of young rats exposed in ethanol *in utero*. Bi-annual meeting the Hellenic Society for Neuroscience, Athens, Dec 8-10 2017. Published in the abstract volume of the Meeting and on line <https://www.hsfm.gr/wp-content/uploads/2017/12/Abstract-Book-Prefinal.pdf>
- 96 Μαρία-Ελένη Ευαγγελάκη και Αικατερίνη Ψαρροπούλου (2018) Χολινεργικός έλεγχος σύγχρονων επιληπτοειδών (*in vitro*) μεσοκρυσιακών εκφορτίσεων ιπποκάμπου νεαρών επίμυων μετά από προγεννητική έκθεση σε αιθανόλη. 12<sup>ο</sup> Πανελλήνιο Συνέδριο Επιληψίας, Ιωαννίνα, 18-20 Μαΐου 2018.
- 97 Κωνσταντίνος Καλογερόπουλος, Δημήτριος Κλειδώνας, Αναστάσιος Τρογκάνης, Χαράλαμπος Σταμάτης και Αικατερίνη Ψαρροπούλου (2018) Υψίσυχνες ταλαντώσεις (HFOs) εκφορτίσεων μεσοκρυσιακού τύπου της περιοχής CA1 του ιπποκάμπου *in vitro*: εξάρτησή τους από τον μηχανισμό γένεσης και μεταβολές με εκχυλίσματα 4 βοτάνων. 12<sup>ο</sup> Πανελλήνιο Συνέδριο Επιληψίας, Ιωαννίνα, 18-20 Μαΐου 2018.
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