

Kyriaki Sidiropoulou Curriculum Vitae

PERSONAL DATA

E-mail: sidirop@uoc.gr, sidirop@imbb.forth.gr
Birth date: February 9, 1976
Birth place: Serres, Greece
Family status: Married, 2 children (Iosif, born on December 1, 2008 and Sofia, born on June 1, 2012)
Citizenship: Greek
Website: http://www.biology.uoc.gr/reaserch_sections/marine/sidirop_en.htm
<http://www.sidiropouloulab.com>

EDUCATION

- Ph.D. in Neurosciences (2003), Rosalind Franklin University of Health and Science (former FUHS) /Chicago Medical School, North Chicago, IL Advisor: Francis J. White
 - Dissertation title: The role of slow afterdepolarization in prefrontal cortical neurons following repeated cocaine treatment in rats
 - B.A. in Microbiology and Physiology, Cum Laude (1998), Southern Illinois University, Carbondale, IL (SIUC)
 - High School Diploma (1994), Pine Crest Preparatory School, Ft Lauderdale, FL
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WORK EXPERIENCE

- Associate Professor in Neurophysiology, Dept of Biology, University of Crete (4/2021-present)
 - Tenured Assistant Professor in Neurophysiology, Dept of Biology, University of Crete (6/2018-4/2021)
 - Collaborating Researcher, Institute of Molecular Biology and Biotechnology - Foundation for Research and Technology Hellas (IMBB-FORTH) (2018-present)
 - Assistant Professor in Neurophysiology, Dept of Biology, University of Crete (1/2015-6/2018)
 - Visiting Researcher, Prof. Logothetis lab, Virginia Commonwealth University, Richmond, VA (6-7/2016)
 - Lecturer in Neurophysiology, Dept of Biology, University of Crete (11/2012-1/2015)
 - Marie Curie Fellow, IMBB-FORTH and UCLA (2010-2012)
 - Postdoctoral fellow, Computational Biology Laboratory, IMBB-FORTH, Advisor Dr. Yiota Poirazi (2005-2010)
 - Postdoctoral fellow, Dept of Pharmacology, School of Medicine, University of Crete, Advisor Dr. Venetia Zachariou (2003-2005)
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FUNDING

- H2020-Marie Curie RISE, “Network Analysis in Neocortex during Passive and Active Learning-neuronsXnets”, partner (2021-2025)
- “Supporting researchers with an emphasis on young researcher-2nd cycle”, part of the Sectoral Program “Human Resources Development, Education and Lifelong Learning, supported by the EU Social Fund and the Greek Ministry of Finance, “Synaptic and ionic mechanisms of the prefrontal cortex that support learning of working memory tasks”, MIS 5048482 (2019-2021)
- Member of the COST Action CA15203 “MitoEAGLE”, Evolution-Age-Gender-Lifestyle-Environment: mitochondrial fitness mapping (2019-2020)
- FENS history award, website in progress at <https://sidiropouloulab.com/history/>
- Special Accounts for Research, University of Crete, large grants type C award, Title: “The effects of working memory training on cognitive flexibility and underlying neurobiological substrates in man and mouse: A translational study” (2019-2021)
- Special Accounts for Research, University of Crete, small grants to attend the ACNP Congress 2018, Hollywood, FL

- Greek Diaspora Fellowship Program - Host to Prof. Diomedes Logothetis, Northeastern University (2017), 20000 euro
- HFRI-Ph.D. scholarship for the Ph.D. student Maria Plataki (2017-2019)
- BIOIMAGING-GR, Nektarios Tavernarakis – PI, Kyriaki Sidiropoulou, partner, Infrastructure funding for the Dept of Biology (2017-2019), budget for partner: 35000euro
- Special Accounts for Research, large grants award for funding the Ph.D. student, Kleanthi Chalkiadaki (2016-2017), 15000 euro
- Entrepreneurship program “SEV-Mazi stin ekinisi” (2015)
- Empirikio foundation research grant, PI: Kyriaki Sidiropoulou (2013-2015), Title: “Prefrontal cortical function in a mouse model with decreased number of interneurons”, 20000 euro
- NARSAD young investigator award (2013-2015), Project title: “Cell-type and circuit-specific pathophysiology in schizophrenia animal models”, PI: Kyriaki Sidiropoulou, 60000 USD
- Special Accounts for Research, small grants award for attending the COSYNE meeting, in Salt Lake City, UT, USA (2013), 2500 euro
- ERC-01, 3D-Neurocaffolds, 3D Scaffolds hosting neural stem cells: developing Neuroimplants and Neurobiosensors, Achilleas Gravanis – PI, Kyriaki Sidiropoulou, partner (2012-2014)
- Marie Curie International Outgoing Fellowship of the European Commission, “Cellular mechanisms underlying formation of the fear memory trace in the mouse amygdala”, Fellow: Kyriaki Sidiropoulou (2010-2012)
- IKY, Postdoctoral fellowship (2007-2008)
- Gulf War Veterans Illness project entitled “Plasticity of Cholinergic Signaling Associated with Low-Level Organophosphates” (2006-2009), Donald C. Cooper-P.I., Kyriaki Sidiropoulou-partner
- Research fellowship, Alexander S. Onassis Public Foundation (2004-2006)
- Pre-doctoral fellowship, Alexander S. Onassis Public Foundation, FUHS/Chicago Medical School (1999-2003)

AWARDS - HONOURS

- European Dana Alliance for the Brain (EDAB) member (2018)
- FENS travel award for the Society for Neuroscience meeting (2009)
- Gordon Conference on Catecholamines, Student Travel Award (2003)
- Federation of European Neuroscience Societies Student award (2002)
- Missouri Valley Swimming and Diving Academic All-Conference, SIUC (1995-1997)
- NCAA Athletic scholarship, SIUC (1994-1998)
- National Champion Swim Team member, Pine Crest School, Ft. Lauderdale, FL (1992)
- Athletic Scholarship, Onassis Public Benefit Foundation (1990)
- Greek National swim team member (1989-1993)

INVITED TALKS

1. Mechanisms underlying learning and training in working memory tasks, Psychology Research Seminar, University College London, January 2021
2. “Effects of working memory training in adult and aged mice on cognitive function”, part of the symposium “The aging brain: mechanisms and interventions”, FENS Regional Meeting, Belgrade, Serbia, July 2019
3. “Sex similarities and differences in neurodevelopmental mouse models of schizophrenia”, part of the symposium “New insights for assessing the mechanisms underlying the psychiatric disorders to improve their therapeutic approach”, Mediterranean Neuroscience Society meeting, Marrakesh, Morocco, June 2019
4. Cellular and Network mechanisms of Prefrontal Cortical Function, IBRO-APRC School on Cognitive Neuroscience: 5th Cognition Workshop, Bangalore, India, 27-29 June 2018

5. Development of the MAM model of schizophrenia in mice: Sex similarities and differences, Biomedical research foundation of the Academy of Athens, 30/4/2018
6. Development of the prefrontal cortex: lagging behind, Fleming Institute, Greece, 26/4/2018
7. Postnatal development of prefrontal cortex, FFRM2015, Thessaloniki, Greece, 10/10/2015
8. The role of prefrontal cortical long-term potentiation in cognitive function, Francis Crick Institute, Mill Hill, UK, 26 June 2015
9. Neurophysiological mechanisms of cognition, IMBB seminar, Heraklio, Crete, 18 February 2015
10. Age-dependent changes in prefrontal cortical function: The role of inhibition, Hellenic Society for Neuroscience meeting, Athens, Greece (2013)
11. Transgenic animals with decreased number of interneurons: Possible models for co-morbidity of epilepsy and anxiety, 1st Aegean Epilepsy Meeting, Agia Pelagia, Greece (2013)
12. "Modeling stress-induced adaptations in Ca⁺⁺ dynamics", Computational Neuroscience Society meeting, Edinburgh, UK (2006)
13. "Neuroinformatics of Behavior", Cretan Bioinformatics Forum, Heraklio, Greece (2006)
14. "Impaired intrinsic neuronal mechanisms of prefrontal cortical delay activity after repeated cocaine exposure", Graduate Student Symposium, Chicago Chapter SFN meeting, Chicago, IL (2003)
15. "The role of circadian rhythms in predisposition to drugs of abuse", World Hellenic Biomedical Congress, Athens, Greece (2000)

TEACHING

UNDERGRADUATE COURSES, DEPT OF BIOLOGY, UNIVERSITY OF CRETE

- Animal Physiology, lectures and laboratory (2008-present)
- Neurobiology, lectures (2008-present)
- Undergraduate thesis (2010-present)
- Quarterly laboratory course (2010-present)

GRADUATE COURSE, GPS "MOLECULAR BIOLOGY AND BIOMEDICINE", DEPT OF BIOLOGY, UNIVERSITY OF CRETE

- Cellular organization of life, 2 lectures, Course coordinator: George Zachos (2014-present)
- Biotechnologies, 1 lecture, course co-ordinator: Despoina Alexandraki (2014-present)
- Graduate course, GPS "Brain and Mind"

GRADUATE COURSES, GPS "NEUROSCIENCES", FACULTY OF MEDICINE, UNIVERSITY OF CRETE

- "Cellular mechanisms of learning and memory, course co-ordinator (2018-present)
- "Special Issues in Electrophysiology", course coordinator (2010-2016)
- "Methodology", 2 lectures in the course (electrophysiological techniques) (2009-present), Course coordinator: Domna Karagogeos
- Core curriculum course "Cellular and Molecular Neuroscience", 3 lectures in the course (physiological properties and ion channels), (2011-present), course coordinator: Andreas Kastellakis

GRADUATE COURSES, GPS "BRAIN AND MIND", FACULTY OF MEDICINE, UNIVERSITY OF CRETE

- "Cellular mechanisms of learning and memory, course co-ordinator (2014-present)
- Core curriculum course - 2 lectures

GRADUATE COURSE, GPS "MANAGEMENT OF ENVIRONMENTAL RESOURCES" (2014-2017)

- Scientific data, 1 lecture, Course coordinator: Konstantina Lyka

LIFE ANIMAL COURSE, UNDER THE AUSPICES OF FELASSA (2015-PRESENT)

- 1 lecture

SERVICES

DEPARTMENTAL DUTIES

- Member of the OMEA committee, Dept of Biology, University of Crete (2020-present)
- Behavioral unit, Responsible for set-up and operation
- In vitro electrophysiology unit, Responsible for set-up and operation
- Member of the Animal Protocol Review Committee, Dept of Biology, University of Crete (2020-present)
- Representative for the Dept of Biology at the Research Committee (2018-2020)
- Member of the FORTH Research Ethics Committee (2018-2020)
- Member of the undergraduate studies committee (2015-present)
- Member of the governing committee of the Molecular Biology and Biotechnology master's program (2015-2018)
- Member of the governing committee of the Management of Environmental Resources master's program (2015-2018)

HELLENIC SOCIETY FOR NEUROSCIENCE

- Chair of the organising committee of the 28th Hellenic Society for Neuroscience meeting, Heraklio, Greece, October 4-6, 2019
- President, 2019-2021
- General Secretary (President-Elect), elected for the period 2017-2019
- Treasurer, elected for the period 2015-2017

EUROPEAN BRAIN AND BEHAVIOR SOCIETY

- Ordinary member, elected for the period 2019-2022

SPECIALTY EDITOR

- Frontiers in behavioural neuroscience, Section: Motivation and Reward, Topic Editor in the Frontiers in behavioural neuroscience, Section: Pathological Conditions "Understanding Early Detection Markers in Schizophrenia"

AD-HOC REVIEWER IN SCIENTIFIC JOURNALS

- European Journal of Neuroscience
- EMBO reports
- Schizophrenia Bulletin
- Nature Communications
- Journal of Neurophysiology
- Plos Computational Neuroscience
- Plos One
- Neuroscience
- Neurotoxicity Research
- Toxicology and Applied Pharmacology
- Neurocomputing
- IEEE Access
- Frontiers in Pharmacology
- Frontiers in Psychiatry
- Frontiers in Systems Neuroscience
- Molecular and Cellular Neuroscience

REVIEWER IN FUNDING ORGANIZATIONS

- Reviewer for Marie Curie IF, European Commission, 2020
- Member of the Certified Reviewer Registry of ELIDEK
- French Research Agency, 2020
- IKY (State Scholarship Foundation), 2018, 2020
- Science Fund of the Republic of Serbia, 2019
- Alzheimer's Association, 2013, 2014
- Research Promotion Foundation in Cyprus, 2016

- General secretariat for Research and Technology, Greece, 2016
- Netherlands organization for scientific research (NOW), 2015

SCIENCE IN SOCIETY

- Participation in the summer school WiSTEM2019, in the session “Women in Science”, 3 July 2019
- Lectures and hands-on demonstration in the 37th grade school of Heraklio and the High School of Malia, March 2019
- Participation with a lecture and hands-on demonstrations in the event “Teenager’s brain development”, co-organized with the Medical Museum of Crete, March 2019
- TEDx Technical University of Crete, 2018, “Τα πολλά προσωπεία της μνήμης: παρελθόν, παρόν και ίσως μέλλον” (translation: The many facets of memory: past, present and possibly future), <https://www.youtube.com/watch?v=2EHqIGQOhsM&feature=share>
- What’s in my head? Head of organisation of the Brain Awareness Event, 2018 at the Natural History Museum of Crete
- Addiction and the Brain, organised by the Medical participation with a talk, 2018
- Learn about my brain, discover myself! “Mentor” network outreach event, May 2015
- Neurobiology of decision making, public outreach talk at the 8th High School of Heraklion, Greece

STUDENT SUPERVISION

POST-DOCTORAL SUPERVISION

1. Xanthippi Konstantoudaki, Dept of Biology (2014-2015)

PH.D. THESIS SUPERVISOR, UNIVERSITY OF CRETE

1. Lida Vagiaki, Ph.D. candidate, Dept of Biology (2019-present), co-supervised with Emmanuel Stratakis, IESL-FORTH
2. Ioanna Pandi, Ph.D. candidate, Dept of Biology (2019-present), co-supervised with Yiota Poirazi, IMBB-FORTH
3. Ourania Christodoulou, Ph.D. candidate, Dept of Biology (2018-present), co-supervised with Myrto Denaxa, BSRC “Alexander Fleming”
4. Aggeliki Velli, Ph.D. candidate, Dept of Biology (2017 - present)
5. Maria Plataki, Ph.D. candidate, Dept of Biology (2016-present)
6. Kleanthi Chalkiadaki, Ph.D. candidate, Dept of Biology (2013-2018)
7. Xanthippi Konstantoudaki, Ph.D. candidate, Dept of Biology (2011-2014)

PH.D. THREE-MEMBER COMMITTEE, UNIVERSITY OF CRETE (13)

1. Konstantinos Petousakis, Ph.D. candidate, Dept of Biology (2019-present)
2. Maria Kefalogianni, Ph.D. candidate, Dept of Physics (2019-present)
3. Dimitris Stratiotis, Ph.D. candidate, School of Medicine (2018-present)
4. Niki Ktena, Ph.D. candidate, School of Medicine (2018-present)
5. Theodora Chalatsi, Ph.D. candidate, School of Medicine (2016-2019), moved to the University of Lausanne
6. Chrysoula Zouraraki, Ph.D. candidate, School of Medicine (2018)
7. Vasiliki Stavroulaki, Ph.D. candidate, School of Medicine (2016-present)
8. Maria Kokkali, Ph.D. candidate, School of Medicine (2015-present)
9. Spyros Chavlis, Ph.D. candidate, Dept of Biology (2014-2017)
10. Zouzana Kounoupa, Ph.D. candidate, School of Medicine (2012-present)
11. Katerina Kalemaki, Ph.D. candidate, School of Medicine (2012-2019)
12. Chara Simitzi, Ph.D. candidate, Dept of biology (2010-2014)
13. George Kastellakis, Ph.D. candidate, Dept of Biology (2010-2016)

PH.D. SEVEN-MEMBER COMMITTEE, UNIVERSITY OF CRETE (7)

1. Vasiliki Katsidoni, Dept of Psychology (2021)
2. Iliana Roussou, Faculty of Medicine (2020)
3. Stefanos Stamatiadis, Dept of Biology, TBD
4. Julia Boneto, Ph.D. candidate, Faculty of Medicine (2017)
5. George Bastakis, Ph.D. candidate, Faculty of Medicine (2017)
6. Paschalis Efstathopoulos, Ph.D. candidate, Faculty of Medicine (2015)

7. Apostolos Makrigiannis, Ph.D. candidate, Dept of Biology (2013)

8. Athanassia Papoutsi, Ph.D. candidate, Dept of Biology (2013)

EXTERNAL REVIEWER FOR PH.D. THESES

1. "Role of Mental Schema in Learning, Memory and Problem Solving" by Vikram Singh, Indian Institute of Science

2. "Comparative studies on the effects of some nutrients on the ocular region of rat newborn", by Hamed Ali Nasr Jala, Mansoura University, Egypt, 2016

M.A. STUDENT SUPERVISION, UNIVERSITY OF CRETE (5)

1. Lito Parapaera-Papantoniou, GPS "Molecular Biology and Biomedicine" (2020-)

2. Konstantinos Diskos, GPS "Molecular Biology and Biomedicine" (2020-)

3. Myrto Margeli, GPS "Neurosciences" (2018)

4. Elisavet Droulou, GPS "Neurosciences" (2018)

5. Evangelos Kyriazidis, GPS "Molecular Biology and Biomedicine" (2017)

6. Aggeliki Velli, GPS "Environmental management" (2017)

7. Kleanthi Chalkiadaki, GPS "Neurosciences" (2012)

M.A. THREE-MEMBER COMMITTEE, UNIVERSITY OF CRETE (25)

1. Syrago Spanou, GPS "Protein Biotechnology" (2019), thesis supervisor: Irene Athanassakis

2. Vaggelis Koufalis, GPS "'Environmental management" (2019), thesis supervisor: George Koumoundouros

3. Maira Tabakaki, GPS "Brain and Mind" (2019), thesis supervisor: Vaggelis Sakkalis, ICS-FORTH

4. Dimitris Mariatos, GPS 'Molecular Biology-Biomedicine '(2019), thesis supervisor: Domna Karagogeos

5. Georgia Soursou, GPS "Bioinformatics" (2019), thesis supervisor: Yiota Poirazi

6. Ira-Eirini Kostopoulou, GPS "Brain and Mind" (2019), thesis supervisor: Yiota Poirazi

7. Angeliki Kolaxi, GPS "Brain and Mind" (2019), qualifying

8. Eleni Skourti, GPS "Brain and Mind" (2018), qualifying

9. Christina Yannacou, GPS "Neurosciences" (2018), thesis supervisor: Achileas Gravanis

10. Ioanna Pandi, GPS "Neurosciences" (2019), thesis supervisor: Panayiota Poirazi

11. Anastasios Kollias, GPS 'Molecular Biology-Biomedicine '(2017-2018), thesis supervisor: Vasiliki Nikolettou

12. Michalis Pagkalos, GPS 'Molecular Biology-Biomedicine '(2019), thesis supervisor: Panayiota Poirazi

13. Theodoros Tamiolakis, GPS 'Brain and Mind '(2017-2018), thesis supervisor: Panayiota Poirazi

14. Konstantinos Petousakis, GPS 'Brain and Mind '(2017-2018), thesis supervisor: Panayiota Poirazi

15. Aggeliki Sotiriou, GPS "Neurosciences" (2018), thesis supervisor: Vasiliki Nikolettou

16. Theoklis Amvrosiadis, GPS "Neurosciences" (2016), thesis supervisor: Christos Gkogkas, University of Edinburgh

17. Vasiliki Stavroulaki, GPS "Neurosciences" (2016), thesis supervisor: Stella Giakoumaki

18. Theodora Chalatsi, GPS "Neurosciences" (2016), thesis supervisor: Nektarios Tavernarakis

19. Emmanouela Volitaki, GPS "Neurosciences" (2016), thesis supervisor: Tatiana Korotkova

20. Eirini Fakourelis, GPS 'Molecular Biology-Biomedicine '(2015-), thesis supervisor: Domna Karagogeos,

21. Katerina Stratigi, GPS 'Molecular Biology-Biomedicine' (2014-2015), thesis supervisor: Domna Karagozeos
22. Theodora Velona, GPS 'Neurosciences', School of Medicine (2014), thesis supervisor: Nikoleta Kessarlis, UCL
23. Evaggelia Pollali, GPS 'Neurosciences', School of Medicine (2014), thesis supervisor: Panayiota Poirazi
24. Zouzana Kounoupa, GPS 'Neurosciences, School of Medicine (2012), thesis supervisor: Domna Karagozeos
25. Katerina Kalemaki, GPS 'Molecular Biology and Biomedicine, School of Medicine (2012), thesis supervisor: Domna Karagozeos

ROTATION STUDENTS (GRADUATE), UNIVERSITY OF CRETE (36)

1. Danae Pantazopoulou, GPS "Brain and Mind" (2021)
2. Manolis Agrimakis, GPS "Neurosciences" (2020)
3. Maria Zioga, GPS "Neurosciences" (2020)
4. Eirini Christopoulou, GPS "Neurosciences" (2020)
5. Konstantinos Diskos, GPS "Molecular Biology-Biomedicine" (2020)
6. Lito Parapera-Papantoniou, GPS "Molecular Biology-Biomedicine" (2020)
7. Maria-Eleni Dimaki, GPS "Brain and Mind" (2019)
8. Danai Papadogianni, GPS "Brain and Mind" (2019)
9. George Niotis, GPS "Molecular Biology-Biomedicine" (2019)
10. Vaggelis Koufalis, GPS "Management of Environmental Resources" (2018)
11. Elisavet Droulou, GPS "Neurosciences" (2017)
12. Christina Yiannakou, GPS "Neurosciences" (2017)
13. Dimitra Mavroei, GPS "Molecular Biology-Biomedicine" (2017)
14. Dimitris Spyridakos, GPS "Neurosciences" (2017)
15. Ioanna Pandi, GPS "Neurosciences" (2017)
16. Niki Ktena, GPS "Neurosciences" (2017)
17. Myrto Margeli, GPS "Neurosciences" (2017)
18. Eleni Skourti, GPS "Brain and Mind" (2017)
19. Evangelos Kyriazidis, GPS "Molecular Biology-Biomedicine" (2016)
20. Sofia Markakiou, GPS "Molecular Biology-Biomedicine" (2016)
21. Angeliki Veli, GPS "Management of Environmental Resources" (2016)
22. Theoklis Amvrosiadis, GPS "Neurosciences" (2015)
23. Irene Fakourelis, GPS "Molecular Biology-Biomedicine" (2015)
24. Emmanouela Volitaki, GPS "Neurosciences" (2015)
25. Sofia Papadopoulou, GPS "Brain and Mind" (2015)
26. Theodora Chalatsi, GPS "Neurosciences" (2015)
27. Konstantinos Tsirlis, GPS "Brain and Mind" (2015)
28. Christini Katsanevaki, GPS "Brain and Mind" (2015)
29. Georgia Kontodimou, GPS "Neurosciences" (2015)

30. Electra Vitsaki, GPS “Molecular Biology-Biomedicine” (2014)
31. Ourania Tzortzi, GPS “Neurosciences” (2013)
32. Theodora Velona, GPS “Neurosciences” (2013)
33. Evaggelia Pollali, GPS “Neurosciences” (2013)
34. Kleanthi Xalkiadaki, GPS “Neurosciences” (2011)
35. Katerina Kalemaki, GPS “Molecular Biology-Biomedicine” (2011)
36. Maria Kalodimou, GPS “Molecular Biology-Biomedicine” (2010)
37. Vasilis Kehayias, GPS “Brain and Mind” (2010)

UNDERGRADUATE STUDENTS, THESIS SUPERVISOR, DEPT OF BIOLOGY, UNIVERSITY OF CRETE (UNLESS OTHERWISE NOTED) (41)

1. Ifigenia Ioannidi (current)
2. Maria Petinareli (current)
3. Sofia Perdikari (current)
4. Iliana Mantouka (2021)
5. Anastasios Cholevas (2021)
6. Orestis Nikolidakis (2020)
7. Marsa Velissariou (2020)
8. Alexandros Georgilis (2020)
9. Maria Zafeiri (2019), Dept of Biomedical applications and technologies, University of Ioannina
10. Chrysa Iordanidou (2019)
11. Katerina Salivara (2019)
12. Theodora Asimi (2019)
13. Konstantinos Diskos (2019)
14. Sofia Morou (2019)
15. Maria-Ioanna Vynichaki (2019)
16. Konstantina Dimoula (2018)
17. Foteini Tsiami (2018)
18. Theodora Steirou (2018)
19. Anastasia Koutoumani (2019)
20. Vaggelis Koufalas (2017)
21. Christos Sougklakos (2017), Dept of Biomedical applications and technologies, University of Ioannina
22. Vasilis Vouvoutsis (2017), Dept of Applied Mathematics, University of Crete
23. Emmanouela Foinikianaki (2017)
24. Irimi Charoniti (2016)
25. Maria Tampakaki (2016)
26. Anastasios Kollias (2015)
27. Evdokia Paza (2015)
28. Kalliopi Lampraki (2015)
29. Vassilis Ioakimidis (2014)
30. Despina Kortessidou (2014)
31. Nikola Stathakopoulou (2014)
32. Christini Katsanevaki (2014)
33. Lydia Pavlidi (2014)
34. Stergia Georgopoulou (2013)
35. Eliana Vasiliou (2013)
36. Marigoula Blassopoulou (2013)
37. Myrisini Vasila (2013)
38. Christos Papantoniou (2012)
39. Vasiliki Sakka (2012)
40. Gioulten Ihtar-Sali (2012)
41. Alexandra Chovsepian (2011)

PEER-REVIEWED PUBLICATIONS

1. Sexual dimorphic effects of restraint stress on prefrontal cortical function are mediated by glucocorticoid receptor activation, Aggeliki Velli, Chrysoula Iordanidou, Theodora Asimi, Maria-loanna Vynichaki, Anastasios Cholevas, Iliana Mantouka, Liesje Naessens, Klairi Chalkiadaki and **K. Sidiropoulou**, *European Journal of Neuroscience*, 2021 Mar 24. doi: 10.1111/ejn.15203. Online ahead of print.
2. Enhanced synaptic properties of the prefrontal cortex and hippocampus after learning a spatial working memory task in adult male mice, V. Stavroulaki, V. Ioakimides, X. Konstantoudaki and **K. Sidiropoulou**, *Journal of Neuroscience Research*, 2021 Mar 19. doi: 10.1002/jnr.24833. Online ahead of print.
3. Working memory training effects across lifespan - V. Stavroulaki, S.G. Giakoumaki and **K. Sidiropoulou**, *Mechanisms of Aging and Development*, 2021 Mar;194:111415. doi: 10.1016/j.mad.2020.111415. Epub 2020 Dec 15.
4. Dietary energy restriction, metabolism and aging: effects on brain physiology and age-associated neurological disorders, K. Xie, M. Kapetanou, **K. Sidiropoulou**, D. Bano, E. S. Gonos, A. Mladenovic Djordjevic and D. Ehninger, under revisions, *Mechanisms of Aging and Development*, 2020 Dec;192:111364. doi: 10.1016/j.mad.2020.111364. Epub 2020 Sep 28.
5. Neural Stem Cell Delivery via Porous Collagen Scaffolds Promotes Neuronal Differentiation and Locomotion Recovery in Spinal Cord Injury, A. Kourgiantaki, D. Tzeranis, K. Karali, K. Georgelou, E. Bampoula, S. Psilodimitrakopoulos, I. V. Yannas, E. Stratakis, **K. Sidiropoulou**, I. Charalampopoulos, and A. Gravanis, 2020, *NPJ Regenerative Medicine*
6. A. Papadakis, **K. Sidiropoulou** and G. Panagis, Music exposure attenuates anxiety- and depression-like behaviors and increases hippocampal spine density in male rats, *Behavioural Brain Research*, 372:112023, doi: 10.1016/j.bbr.2019.112023.
7. K. Kalemaki, X. Konstantoudaki, **K. Sidiropoulou**, and D. Karagogeos, Mice with decreased number of interneurons exhibit aberrant spontaneous and oscillatory activity in the cortex, *Frontiers in Neural Circuits*, Oct 31;12:96. doi: 10.3389/fncir.2018.00096. eCollection 2018.
8. K. Chalkiadaki, A. Velli, E. Kyriazidis, V. Stavroulaki, A. Chatzaki, M. Aivaliotis and **K. Sidiropoulou** (2019) Development of the MAM model of schizophrenia in mice: Sex similarities and differences in hippocampal and prefrontal cortical function, *Neuropharmacology*, 2018 Oct 23. pii: S0028-3908(18)30813-X. doi: 10.1016/j.neuropharm.2018.10.026. [Epub ahead of print]
9. A. Plaitakis, D. Kotzamani, Z. Petraki, M. Delidaki, V. Rinotas, I. Zaganas, E. Douni, **K. Sidiropoulou** and C. Spanaki (2018) Transgenic Mice Carrying GLUD2 as a Tool for Studying the Expressional and the Functional Adaptation of this Positive Selected gene in Human Brain Evolution, *Neurochemical Research*, May 18. doi: 10.1007/s11064-018-2546-3
10. X. Konstantoudaki, K. Chalkiadaki, E. Vassileiou, K. Kalemaki, D. Karagogeos and **K. Sidiropoulou** (2018) Prefrontal cortical specific differences in behavior and synaptic plasticity between adolescent and adult mice, *Journal of Neurophysiology*, Mar 1;119(3):822-833. doi: 10.1152/jn.00189.2017. Epub 2017 Nov 22.
11. L. Zoupi, M. Savvaki, K. Kalemaki, I. Kalafataki, **K. Sidiropoulou** and D. Karagogeos (2018) The function of Contactin-2/TAG-1 in oligodendrocytes in health and demyelinating pathology, *Glia* Mar;66(3):576-591. doi: 10.1002/glia.23266. Epub 2017 Nov 22.
12. V. Stavroulaki, E. Kazantzaki, P. Bitsios, **K. Sidiropoulou** and S.G. Giakoumaki (2017) The effects of working memory training on cognitive flexibility in man, *Lecture notes in artificial intelligence*, Conference paper in: Frasson C., Kostopoulos G. (eds) *Brain Function Assessment in Learning*. BFAL 2017. *Lecture Notes in Computer Science*, vol 10512. Springer, Cham press, https://link.springer.com/chapter/10.1007/978-3-319-67615-9_7
13. V. Nikelotopoulou, **K. Sidiropoulou**, E. Kallergi, Y. Dalezios and N. Tavernarakis, BDNF regulates autophagy in the adult brain to coordinate metabolic status and adaptive behavior (2017), *Cell Metabolism*, Jul 5;26(1):230-242.e5. doi: 10.1016/j.cmet.2017.06.005
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BIORXIV PRE-PRINTS

1. Long-term synaptic depression triggers local biogenesis of autophagic vesicles in dendrites and requires autophagic degradation, E. Kallergi, A-D Daskalaki, E. Ioannou, A. Kolaxi, M. Plataki, P. Haberkant, F. Stein, M.M. Savitski, **K. Sidiropoulou**, Y. Dalezios, V. Nikolettou, 2020, BiorXiv, doi: 10.1101/2020.03.12.983965
2. Developmental changes of early postnatal inhibitory circuits in the mouse medial prefrontal and primary somatosensory cortex, K. Kalemaki, X. Xu, I.L. Hanganu-Opatz, **K. Sidiropoulou*** and D. Karagogeos*, (*equal senior contribution), 2020, BiorXiv, doi: 10.1101/ 2020.01.21. 913913

BOOK CHAPTERS

Papoutsis, K. Sidiropoulou, P. Poirazi, Memory beyond synaptic plasticity: the role of intrinsic neuronal excitability, in Memory mechanisms in Health and Disease: Mechanistic Basis of Memory, K.P. Giese, editor, ISBN: 978-981-4366-69-4 (2012)

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BOOK TRANSLATIONS

- Principles of animal physiology, 3 κεφάλαια επιμέλεια
- Biology of behavior, επιμέλεια
- Brain and Behavior, επιμέλεια 2,5 κεφαλαίων
- Human Physiology, Silverthorn, edit the translation of 2 chapter
- Developmental Neurobiology, Crete University Press (2018), translation of 1 chapter
- Human Physiology (2016), Basdra editions, edit the translation of 4 chapters
- Basic Principles of Neuropsychology, edit 2 chapters
- Biology of Behaviour, translation of 2 chapters

POSTER PRESENTATIONS

1. A. Velli, C. Iordanidou, K. Chalkiadaki and **K. Sidiropoulou**, Differential mechanisms underlying long-term potentiation in the prefrontal cortex of male and female mice, FENS2020 virtual forum
2. **K. Sidiropoulou**, V. Stavroulaki and M. Plataki, Long-term potentiation and dendritic spine density are enhanced following training in a working memory task, FENS2020 virtual forum
3. E. Tabakaki and **K. Sidiropoulou**, Neuroscience in Ancient Greece, 28th Hellenic Society for Neuroscience meeting, 4-6 October 2019, Heraklio, Greece
4. E. Koufalis, **K. Sidiropoulou** and G. Koumoundouros, Effect of developmental temperature, during the embryonic stage, on the cerebellum of Danio rerio, 28th Hellenic Society for Neuroscience meeting, 4-6 October 2019, Heraklio, Greece
5. V. Stavroulaki, P. Bitsios, **K. Sidiropoulou**, S.G. Giakoumaki (2019) Differences in cognitive flexibility after adaptive training of executive working memory between men and women, ECNP Congress, Copenhagen, Denmark
6. A. Velli, K. Chalkiadaki, A. Chatzaki and **K. Sidiropoulou** (2019) Sexual dimorphic effects of restraint stress in the limbic system: The role of corticotropin-releasing factor receptors, EBBS meeting, Prague, Czech Republic - selected for oral presentation
7. M. Plataki, K. Chalkiadaki, V. Nikolettou and **K. Sidiropoulou** (2019) NMDA subunits and p62 expression in the MAM16 and neonatal MK-801 mouse models of schizophrenia, FENS Regional Meeting, Belgrade, Serbia
8. V. Stavroulaki, M. Zafeiri, P. Bitsios, S. Giakoumaki and K. Sidiropoulou, (2019) Working memory training on cognitive flexibility in women and female mice: training gains, transfer and the neurobiological background, FENS Regional Meeting, Belgrade, Serbia
9. A. Velli, K. Chalkiadaki, M.-I. Vynichaki, A. Koutsoumani, A. Chatzaki and K. Sidiropoulou, (2018) Sexual dimorphic regulation of prefrontal cortical function by corticotropin-releasing factor and restraint stress, ACNP congress, Hollywood, FL, USA
10. M. Plataki, C. Sougklakos and K. Sidiropoulou (2018) Effects of neonatal MK-801 administration onto prefrontal cortical and hippocampal function in adulthood, FENS forum 2018, Berlin, Germany

11. K. Kalemaki, K. Sidiropoulou and D. Karagogeos (2018) Delayed maturational changes of inhibitory neurotransmission in the prefrontal cortex compared to somatosensory cortex, FENS forum 2018, Berlin, Germany
12. V. Stavroulaki, V. Koufalis, E. Kazantzaki, P. Bitsios, S.G. Giakoumaki, K. Sidiropoulou (2018) Effects of working memory training on cognitive flexibility in both man and mouse, FENS forum 2018, Berlin, Germany
13. A. Kollias, T. Chalatsi, A. Kolaxi, D. Karagogeos, K. Sidiropoulou, V. Nikolettou (2018) Role of autophagy in shaping inhibitory synapses, FENS forum 2018, Berlin, Germany
14. V. Stavroulaki, E. Kazantzaki, P. Bitsios, S.G. Giakoumaki, K. Sidiropoulou (2018) Effects of working memory training on cognitive flexibility in men and women, 1st congress of neuropsychopharmacology, Athens, Greece
15. K. Kalemaki, K. Sidiropoulou and D. Karagogeos (2017) Developmental changes in early postnatal inhibitory circuits of the prefrontal cortex, Hellenic Society for Neuroscience meeting, Athens, Greece
16. A. Velli, K. Chalkiadaki, A. Chatzaki and K. Sidiropoulou (2017) Effect of corticotropin releasing factor receptor antagonists on long-term potentiation in the male and female prefrontal cortex, Hellenic Society for Neuroscience meeting, Athens, Greece
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19. K. Chalkiadaki, A. Velli, V. Stavroulaki, E. Mantzaris, V. Vouvoutsis, A. Chatzaki and K. Sidiropoulou (2017), Sex differences in the MAM model of schizophrenia in mice, European Brain Pharmacology Society meeting, Chersonissos, Greece
20. K. Chalkiadaki, A. Chatzaki and K. Sidiropoulou (2016), Sex differences in the MAM model of schizophrenia in mice, ACNP congress, Hollywood, FL, USA
21. K. Chalkiadaki, A. Kollias, A. Chatzaki and K. Sidiropoulou (2016) Behavioral, histological and electrophysiological effects of prenatal methylazoxymethanol acetate (MAM) exposure on female mice, ECNP congress, Vienna, Austria
22. E. Foinikianaki, K. Chalkiadaki and K. Sidiropoulou (2016) Effects of prenatal MAM exposure on pre-pulse inhibition and cortical structure in male mice, FENS forum, Copenhagen, Denmark, received travel award from Hellenic Neuroscience Society
23. K. Kalemaki, K. Sidiropoulou and D. Karagogeos (2016) The contribution of developmental inhibitory changes in early postnatal circuits of the prefrontal cortex, AREADNE 2016, Santorini, Greece
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26. C. Katsanevaki and K. Sidiropoulou (2015) Regular spiking and intrinsic bursting models and persistent activity, FFRM2015, Thessaloniki, Greece
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29. X. Konstantoudaki, K. Chalkiadaki and K. Sidiropoulou (2015) Decreased prefrontal cortical function, synaptic plasticity and dendritic spine density in adolescent mice compared to adults, EBBS-EBPS joint meeting, Verona, Italy
30. K. Kalemaki, K. Sidiropoulou and D. Karagogeos (2015) Differential development of interneuron subtypes and synaptic transmission in the prefrontal and barrel cortices, EMBO Workshop – Cortical interneurons in health and disease, Majorca, Spain
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33. K. Chalkiadaki, X. Konstantoudaki, S. Tivodar, D. Karagogeos and K. Sidiropoulou (2014), Effects of decreased inhibition on synaptic plasticity and dendritic morphology in the juvenile prefrontal cortex, "Dendrites" workshop, Heraklio, Greece
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39. K. Sidiropoulou and P. Poirazi (2013) Encoding and decoding stimuli that generate persistent activity, COSYNE meeting, Salt Lake City, UT
40. O. Tzortzi, C. Papantoniou, A. Chovsepian, P. Iordanidou, X. Konstantoudaki, P. Efstathopoulos, I. Charalampopoulos, A. Gravanis and K. Sidiropoulou (2012) Effect of neurosteroids on contextual fear memory and hippocampal long-term potentiation, Hellenic Society for molecular biology and biochemistry (EEMBB) meeting, Heraklio, Greece
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55. K. Sidiropoulou, A. Papoutsi and P. Poirazi. (2008) Biophysical mechanisms involved in initiating and maintaining persistent activity in single or recurrently connected PFC pyramidal model neurons. AREADNE 2008, Research in Encoding and Decoding of Neural Ensembles, Santorini, Greece
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