

Kyriaki Sidiropoulou

Curriculum Vitae (12/12/2024)

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 1/12/2008 and Sofia, born 1/6/2012)
 Citizenship: Greek
 Website: http://www.biology.uoc.gr/reaserch_sections/marine/sidirop_en.htm
<http://www.sidiropouloulab.com/home>

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

WORK EXPERIENCE

- Associate Professor in Neurophysiology, Dept of Biology, University of Crete (4/2021-present)
- Visiting Researcher, Prof. Golshani lab, UCLA, Los Angeles, CA (6/2023-8/2023)
- Visiting Researcher, Prof. Smirnakis lab, Brigham and Women's Hospital, Harvard Medical School, Boston, MA (9/2021-12/2021)
- 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)

FUNDING

1. IKY (Hubert Curien)...

2. COST action, An Evolutionary View to Understanding Affective States across Species, AFFECT-EVO, member of the management committee (2024-2028)
3. World Organization Center for Olive, Investigation of cannabinoids and oleocanthal on learning and memory in mice, 2023-2024, principal investigator, 26600 euro
4. World Organization Center for Olive, Title: Investigation of cannabis and olive oil constituents on spontaneous activity and long-term potentiation in mouse hippocampal brain slices, 2023-2024, principal investigator, 9000 euro
5. HFRI-Ph.D. scholarship for the Ph.D. student Konstantinos Diskos, Title: Investigation of the neurophysiological mechanisms in the prefrontal cortex during neonatal, juvenile and adolescent periods in a schizophrenia mouse model (2023-2025), principal investigator, 27000 euro
6. NIH-RO1, “Dravet Syndrome anti-epileptic control by targeting GIRK channels” (2023-2028), partner, 78000 euro
7. European Innovation Council, Minimally-Invasive Soft-Robot-Assisted Deep-Brain Localized Therapeutics Delivery for Neurological Disorders (SOFTREACH) (2023-2026), partner, ~100000 euro
8. Special Accounts for Research, University of Crete, large grants type C award, Title: “The Duration of Near- and Far-Transfer Gains of Executive Working Memory Training in Man and Mice: Interactions with Anxiety and Schizotypal Traits” (2023-2025), 20000 euro
9. H2020-Marie Curie RISE, “Network Analysis in Neocortex during Passive and Active Learning-neuronsXnets”, partner (2021-2025), 82800 euro
10. “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), 37000 euro
11. FENS history award (2018) website in progress at <https://sidiropouloulab.com/history/>
12. 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), 20000 euro
13. Special Accounts for Research, University of Crete, small grants to attend the ACNP Congress 2018, Hollywood, FI
14. Greek Diaspora Fellowship Program - Host to Prof. Diomedes Logothetis, Northeastern University (2017), 20000 euro
15. HFRI-Ph.D. scholarship for the Ph.D. student Maria Plataki, Title: Interaction between stress pathways and autophagy in animal models of schizophrenia (2017-2019)
16. BIOIMAGING-GR, Nektarios Tavernarakis – PI, Kyriaki Sidiropoulou, partner, Infrastructure funding for the Dept of Biology (2017-2019), budget for partner: 35000euro
17. Special Accounts for Research, large grants award for funding the Ph.D. student, Kleanthi Chalkiadaki, Title: The role of corticotrophin-releasing factor in the prefrontal cortical function of control mice and mice prenatally exposed to methylaxozymathanol acetate, (2016-2017), 15000 euro
18. Entrepreneurship program “SEV-Mazi stin ekinisi” (2015)
19. Empirikio foundation research grant, PI: Kyriaki Sidiropoulou (2013-2015), Title: “Prefrontal cortical function in a mouse model with decreased number of interneurons”, 20000 euro
20. NARSAD young investigator award (2013-2015), Project title: “Cell-type and circuit-specific pathophysiology in schizophrenia animal models”, PI: Kyriaki Sidiropoulou, 60000 USD

21. Special Accounts for Research, small grants award for attending the COSYNE meeting, in Salt Lake City, UT, USA (2013), 2500 euro
22. ERC-01, 3D-Neuroscaffolds, 3D Scaffolds hosting neural stem cells: developing Neuroimplants and Neurobiosensors, Achilleas Gravanis – PI, Kyriaki Sidiropoulou, partner (2012-2014)
23. 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)
24. IKY, Postdoctoral fellowship, Title: Modeling of layer V pyramidal neuron of the prefrontal cortex following chronic cocaine administration (2007-2008)
25. 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
26. Research fellowship, Alexander S. Onassis Public Foundation (2004-2006)
27. Pre-doctoral fellowship, Alexander S. Onassis Public Foundation, FUHS/Chicago Medical School (1999-2003)

AWARDS - HONOURS

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

INVITED TALKS

1. Postnatal development of the prefrontal cortex: from cell to network, 30th meeting of the Hellenic Society for Neuroscience, Athens, Greece, 24-26 November 2023
2. Animal Models for Understanding the Pathophysiology of Schizophrenia, 5th Panhellenic meeting for the Attention Deficit Hyperactivity Disorder, From the Child to the Adolescent, 29/9-1/10/2023, Heraklion, Greece
3. Postnatal development of cellular and synaptic mechanisms in the prefrontal cortex in a cell-type specific manner and their role in shaping network activity, European Brain and Behavior Society meeting, Amsterdam, The Netherlands, 26-29/8/2023
4. Identifying critical periods of prefrontal cortical function, Haifa University, Dept of Neurobiology, 13 December 2021
5. Sexual dimorphic effects of restraint stress in the prefrontal cortex, FRM2021 meeting, on-line, August 2021
6. Critical periods of brain development and their role in neurodevelopmental disorders, FENS Friday Webinar, 21 May 2021
7. Working memory training in mice and human, Translational Seminar Series organised by IMBB-FORTH, Medical School-University of Crete and KEME, May 2021

8. Mechanisms underlying learning and training in working memory tasks, Psychology Research Seminar, City University of London, January 2021
9. "Effects of working memory training in adult and aged mice on cognitive function", part of the symposium "Sex similarities and differences in neurodevelopmental mouse models of schizophrenia", IBRO-APRC School on Cognitive Neuroscience: 5th Cognition Workshop, Bangalore, India, 27-29 June 2018
10. Development of the MAM model of schizophrenia in mice: Sex similarities and differences, Biomedical research foundation of the Academy of Athens, 30/4/2018
11. Development of the prefrontal cortex: lagging behind, Fleming Institute, Greece, 26/4/2018
12. Postnatal development of prefrontal cortex, FFRM2015, Thessaloniki, Greece, 10/10/2015
13. The role of prefrontal cortical long-term potentiation in cognitive function, Francis Crick Institute, Mill Hill, UK, 26 June 2015
14. Neurophysiological mechanisms of cognition, IMBB seminar, Heraklio, Crete, 18 February 2015
15. Age-dependent changes in prefrontal cortical function: The role of inhibition, Hellenic Society for Neuroscience meeting, Athens, Greece (2013)
16. Transgenic animals with decreased number of interneurons: Possible models for co-morbidity of epilepsy and anxiety, 1st Aegean Epilepsy Meeting, Agia Pelagia, Greece (2013)
17. "Modeling stress-induced adaptations in Ca^{++} dynamics", Computational Neuroscience Society meeting, Edinburgh, UK (2006)
18. "Neuroinformatics of Behavior", Cretan Bioinformatics Forum, Heraklio, Greece (2006)
19. "Impaired intrinsic neuronal mechanisms of prefrontal cortical delay activity after repeated cocaine exposure", Graduate Student Symposium, Chicago Chapter SFN meeting, Chicago, IL (2003)
20. "The role of circadian rhythms in predisposition to drugs of abuse", World Hellenic Biomedical Congress, Athens, Greece (2000)

SYMPOSIA ORGANIZATION IN INTERNATIONAL SCIENTIFIC MEETINGS

1. Organization of the miniscope, calcium imaging workshop at FORTH, theory and hands-on sessions, June 30th-July 1st, 2024, Heraklion
2. Cellular and network properties of the prefrontal cortex across development: effect on behaviour, European Brain and Behavior Society meeting, Amsterdam, The Netherlands, 26-29/8/2023
3. "Sex differences in the prefrontal cortex", FRM2021 meeting, on-line, August 2021,
4. "The aging brain: mechanisms and interventions", FENS Regional Meeting, Belgrade, Serbia, July 2019
5. New insights for assessing the mechanisms underlying the psychiatric disorders to improve their therapeutic approach", Mediterranean Neuroscience Society meeting, Marrakesh, Morocco, June 2019
6. Brain Development and Neuropsychiatric Disorders, FENS Friday Webinar, speaker and organizer, 21 May 2021

TEACHING

AS A MEMBER OF THE UNIVERSITY OF CRETE

❖ UNDERGRADUATE COURSES

- Cellular Neurobiology, elective course, lectures (2024-present)
 - Offered also to Erasmus students with the private tutoring option
 - Presentations or term paper as well as worksheets for scientific papers contributed to the grade in addition to the final exam (multiple choice question with deduction for errors)
 - Term paper includes the summary of a scientific review paper and discussion of new research papers on the topic identified by the students
- Neurobiology of behavior, elective course, lectures (2023-present)
 - Offered also to Erasmus students with the private tutoring option
 - Presentations of original scientific papers and worksheets for scientific papers contributed to the grade in addition to the final exam (open book)
- Animal Physiology, compulsory course, lectures (2015-present)
 - Offered also to Erasmus students with the private tutoring option
 - 6 quizzes are offered throughout the course for extra-credit and to facilitate continuous studying of the material during the semester
 - Final exam includes short essay questions and multiple choice questions
- Methods of analyses for physiological process, laboratory sessions (2015-present)
- Animal Physiology, compulsory course, lectures and laboratory (2008-2014)
- Neurobiology, elective course, lectures (2008-2022), currently can be found on-line <https://www.sidiropouloulab.com/home/index.php/teaching/neurobiology/>
 - Offered also to Erasmus students with the private tutoring option
 - Presentations and/or term paper in addition to the final exam
- Undergraduate thesis (2010-present)
- Quarterly laboratory course (2010-present)

❖ GRADUATE COURSES, GPS “MOLECULAR BIOLOGY AND BIOMEDICINE”, DEPT OF BIOLOGY, UNIVERSITY OF CRETE

- Cellular organization of life, 2 lectures on cellular neurophysiology topics, Course coordinator: George Zachos (2014-present)
- Biotechnologies, 1 lecture on neurophysiological methods, course co-ordinator: George Gouridis (2014-present)

❖ GRADUATE COURSES, GPS “NEUROSCIENCES”, UNIVERSITY OF CRETE

- Core curriculum course “Cellular and Molecular Neuroscience”, course coordinator, 2023-present
- “Neural basis of behavior”, course coordinator (2024-present)
- “Cellular mechanisms of learning and memory, course coordinator (2018-present)
- “Special Issues in Electrophysiology”, course coordinator (2010-2016)
- “Methodology”, 2 lectures on electrophysiological techniques (2009-present), Course coordinator: Emmanuel Froudarakis
- Core curriculum course “Cellular and Molecular Neuroscience”, 3 lectures in the course (physiological properties and ion channels), (2011-2023), course coordinator: Andreas Kastellakis

❖ GRADUATE COURSES, GPS “BRAIN AND MIND”, UNIVERSITY OF CRETE

- “Cellular mechanisms of learning and memory, course co-ordinator (2014-present)
- Core curriculum course - 2 lectures on molecular basis of neuronal excitability and genetic basis of learning and memory
 - ❖ **GRADUATE COURSES, GPS “BIOETHICS”, UNIVERSITY OF CRETE**
- Core curriculum course (BIO101) - 2 lectures
 - ❖ **GRADUATE COURSE, GPS “MANAGEMENT OF ENVIRONMENTAL RESOURCES” (2014-2017)**
- Scientific data, 1 lecture, Course coordinator: Konstantina Lyka

PARTICIPATION IN SUMMER SCHOOLS AND INTERNATIONAL COURSES

- ❖ **‘DRUGS AND BRAIN’ workshop (2021)**
 - Funded by NENS clusters program of FENS
 - Member of the organising committee
 - Lecture and workshop organized
- ❖ **LIFE ANIMAL COURSE, UNDER THE AUSPICES OF FELASSA (2015-PRESENT)**
 - 1 lecture on anxiety in mice

SERVICES

DEPARTMENTAL DUTIES

- Director of the Interdepartmental Neurosciences master’s program (2024-present)
- Member of the governing committee of the neuroscience master’s program (2022-present)
- Member of the governing committee of the Molecular Biology and Biotechnology master’s program (2015-2018; 2023-2024)
- ERASMUS academic coordinator, Dept of Biology, University of Crete (2022- present)
- Member of the OMEA committee, Dept of Biology, University of Crete (2020-2021)
- 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), alternate representative (2021-2023)
- Member of the undergraduate studies committee (2015-2022)
- Member of the governing committee of the Management of Environmental Resources master’s program (2015-2018)

IMBB-FORTH

- Member of the HSR4R working group on career and training (2024-present)
- Representing IMBB in the Recruitment and Training working group of EU-LIFE (2023-present)
- Member of the IMBB Mentoring and Career Track Scheme (2023-present)
- Behavioral unit, IMBB-FORTH, Responsible for set-up and operation (2019-present) <https://www.imbb.forth.gr/imbb-people/en/home-behavioral-unit>
- Electrophysiology unit, IMBB-FORTH, Responsible for set-up and operation (2011-present) (<https://www.imbb.forth.gr/imbb-people/en/electrophysiology-unit-home>)
- Member of the FORTH Research Ethics Committee (2018-2020)

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

- Member of the organising committee of the 49th European Brain and Behavior Society meeting, Lausanne, Switzerland and on-line, 4-7/9/2021
- Ordinary member, elected for the period 2019-2022

ALBA NETWORK

- Member of the webinars working group
- ALBA networking happy hour at EBBS2021, organiser

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

- PNAS
- Neuropsychiatric genetics
- Neuroscience and Biobehavioral Reviews
- iScience
- Brain Research Bulletin
- Behavioural Brain Research
- Science Advances
- Neuroscience Letters
- European Journal of Neuroscience
- CNS Neuroscience and Therapeutics
- Frontiers in Human 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 National Science Center, Poland, 2021-2022
- Reviewer for Marie Curie IF, European Commission, 2020, 2021, 2022, 2023
- 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 Tipping Point platform, through which I have talked to several (3-6 per year) classes of middle school and high school students on topics such as "Women in science", "Biologists in the workforce", "How the brain works" (2019-2024)
- Participation in Marie Curie Researcher's Night at FORTH (2018-2024)
- Participation in BAW2022, Participation in 'Brain Day' and Visit to 2nd High School of Heraklion
- Co-ordinator of neuroscience educational videos for the public by the Hellenic Society for Neuroscience (secured funding, interacted with the virtual arts company and co-ordinate the action), for BAW2021 (<https://www.hsfh.gr/neuroscience-educational-videos/>)
- 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 προσώπεία 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 Museum, 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 (3)

1. Lida-Evmorfia Vagiaki, Dept of Biology and IMBB-FORTH (2024-present)
2. Angeliki Velli, Dept of Biology and IMBB-FORTH (2023-present)

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

PH.D. THESIS SUPERVISOR, UNIVERSITY OF CRETE (7)

1. Konstantinos Diskos, Ph.D. candidate, Dept of Biology (2021-present)
2. Lida-Evmorfia Vagiaki, Ph.D. candidate, Dept of Biology (2019-2024), co-supervised with Emmanuel Stratakis, IESL-FORTH
3. Ourania Christodoulou, Ph.D. candidate, Dept of Biology (2018-2023), co-supervised with Myrto Denaxa, BSRC "Alexander Fleming"
4. Aggeliki Velli, Ph.D. candidate, Dept of Biology (2017 - 2022)
5. Maria Plataki, Ph.D. candidate, Dept of Biology (2016-2023)
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 (19)

1. Iliana Mantouka, supervisor: Emmanouil Froudarakis, Faculty of Medicine, University of Crete (2024-present)
2. Vivian Saxpatzi, supervisor: Melina Mouzala, Dept of Philosophy, University of Patras (2022-present)
3. Patricia Alvez-Pereira, supervisor: Michalis Pavlidis, Dept of Biology (2022-present)
4. Athina Miliou, supervisor: Costas Papatheodoropoulos, School of Medicine, University of Patras (2022-present)
5. Emmanouil Agrymakis, supervisor: Marina Vidaki, School of Medicine (2022-present)
6. Maria Thomaidi, supervisor: Constantinos Nechoiritis, Dept of Chemistry (2022-present)
7. Sofia Petsagouraki, supervisor: Domna Karagogeos, School of Medicine (2021-present)
8. Amalia Natsi, supervisor: Charalampos Labrakakis, Dept of Biological Applications and Technologies, University of Ioannina
9. Konstantinos Petousakis, supervisor: Panayiota Poirazi, Dept of Biology (2019-present)
10. Maria Kefalogianni, supervisor: Ioannis Kominis, Dept of Physics (2019-present)
11. Dimitris Stratiotis, supervisor: Domna Karagogeos, School of Medicine (2018-present)
12. Niki Ktena, supervisor: Domna Karagogeos, School of Medicine (2018-2023)
13. Chrysoula Zouraraki, supervisor: Stella Giakoumaki, School of Medicine (2018)
14. Vasiliki Stavroulaki, supervisor: Panagiotis Bitsios, School of Medicine (2016-2021)
15. Maria Kokkali, supervisor: Ioannis Charalampopoulos, School of Medicine (2015-present)
16. Spyros Chavlis, supervisor: Panayiota Poirazi, Dept of Biology (2014-2017)
17. Zouzana Kounoupa, supervisor: Domna Karagogeos, School of Medicine (2012-2023)
18. Katerina Kalemaki, supervisor: Domna Karagogeos, School of Medicine (2012-2019)
19. Chara Simitzi, supervisor: Eirini Athanasaki, Dept of biology (2010-2014)
20. George Kastellakis, supervisor: Panayiota Poirazi, Dept of Biology (2010-2016)

PH.D. SEVEN-MEMBER COMMITTEE, UNIVERSITY OF CRETE (18)

1. Athanasia Tzanou, supervisor: Yannis Dalezios, Faculty of Medicine, University of Crete (2024)
2. Michalis Pagkalos, supervisor: Panayiota Poirazi, Dept of Biology, University of Crete (2024)
3. Evangelos Dadiotis, supervisor: Prokopios Magiatis, Pharmacy School, National Kapodistrian University of Athens (2024)
4. Ioanna Zota, supervisor: Ioannis Charalampopoulos, Faculty of Medicine (2024)

5. Ermis Ryakiotakis, supervisor: Antonis Stamatakis, Nursing School, National and Kapodistrian University of Athens (2024)
6. Marianna Papadopoulou, supervisor: Ioannis Charalampopoulos, Faculty of Medicine (2023)
7. Stavroula Dionysopoulou, supervisor: Kyriaki Thermos, Faculty of Medicine (2023)
8. Dimitris Spyridakos, supervisor: Kyriaki Thermos, Faculty of Medicine (2023)
9. Thanasis Rogdakis, supervisor: Ioannis Charalampopoulos, Faculty of Medicine (2023)
10. Sofia Papadogkonaki, supervisor: Kyriaki Thermos, Faculty of Medicine, (2022)
11. Antonia Theodoridi, supervisor: Michalis Pavlidis, Dept of Biology (2022)
12. Vasiliki Katsidoni, supervisor: George Panagis, Dept of Psychology, (2023)
13. Iliana Roussou, supervisors: Charalampos Savakis, Faculty of Medicine (2020)
14. Julia Boneto, supervisor: Domna Karagogeos, Faculty of Medicine (2017)
15. George Bastakis, supervisor: Domna Karagogeos, Faculty of Medicine (2017)
16. Paschalis Efstathopoulos, supervisor: Ioannis Charalampopoulos, Faculty of Medicine (2015)
17. Apostolos Makrigiannis, supervisor: George Chalepakis, Dept of Biology (2013)
18. Athanassia Papoutsi, supervisor: Panayiota Poirazi, Dept of Biology (2013)

EXTERNAL EXAMINER FOR PH.D. THESES (4)

1. P. Meenakshi, supervisor: Balaji Jayprakash, Indian Institute of Science, 2021
2. Tibor Stark, 2021, supervisor: Vincenzo Micale, Faculty of Medicine, Masarykova univerzita, Brno, Czech Republic
3. Vikram Singh, "Role of Mental Schema in Learning, Memory and Problem Solving", supervisor: Balaji Jayprakash, Indian Institute of Science
4. Hamed Ali Nasr Jala, "Comparative studies on the effects of some nutrients on the ocular region of rat newborn", Mansoura University, Egypt, 2016

M.A. STUDENT SUPERVISION, UNIVERSITY OF CRETE (13)

1. Zoe Drakaki, GPS "Neurosciences" (2023)
2. Chrysoula Iordanidou, GPS "Molecular Biology and Biomedicine" (2023)
3. Athina Papadopoulou, GPS "Bioethics" (2023)
4. Theodora Asimi, GPS "Athens International Neuroscience Master's Program" (2022)
5. Olga Lyraki, GPS "Molecular Basis of Human Disease" (2022)
6. Lito Parapaera-Papantoniou, GPS "Molecular Biology and Biomedicine" (2021)
7. Konstantinos Diskos, GPS "Molecular Biology and Biomedicine" (2021)
8. Liesje Nassens, Antwerpenn University, Erasmus student (2020)
9. Myrto Margeli, GPS "Neurosciences" (2018)
10. Elisavet Droulou, GPS "Neurosciences" (2018)
11. Evangelos Kyriazidis, GPS "Molecular Biology and Biomedicine" (2017)
12. Aggeliki Velli, GPS "Environmental management" (2017)
13. Kleanthi Chalkiadaki, GPS "Neurosciences" (2012)

M.A. THREE-MEMBER COMMITTEE, UNIVERSITY OF CRETE (40)

1. Nikolaos Falalakis, GPS "Molecular Biology-Biomedicine" (2025), thesis supervisor: Yiota Poirazi
2. Iliana Mantouka, GPS "Neurosciences" (2023), thesis supervisor: Myrto Denaxa
3. Maria Peteinareli, GPS "Molecular Basis of Human Disease" (2023), thesis supervisor: Ioannis Charalampopoulos

4. Chrysa Mouatsou, GPS “Neurosciences” (2023), thesis supervisor: Ioannis Charalampopoulos
5. Iason Sifakis, GPS “Neurosciences” (2023), thesis supervisor: Domna Karagogeos
6. Anastasios Chol ras, GPS “Neurosciences” (2023), thesis supervisor: Marina Vidaki
7. Marouso Velissariou, GPS ‘Brain and Mind’ (2022), thesis supervisor: Ioannis Charalampopoulos
8. Alexandros Georgilis, GPS “Molecular Basis of Human Disease” (2022), thesis supervisor: Domna Karagogeos
9. Niki Linardou, GPS ‘Molecular Biology-Biomedicine’ (2022), thesis supervisor: Marina Vidaki
10. Styliani Pepp , GPS ‘Molecular Biology-Biomedicine’ (2022), thesis supervisor: Domna Karagogeos
11. Mariyanna Vynichaki, GPS ““Molecular Basis of Human Disease” (2022), thesis supervisor: Diomedes Logothetis
12. Irene Fragkiadaki, GPS “Neurosciences” (2022), thesis supervisor: Kleanthi Spanaki
13. Emmanouil Agrymakis, GPS “Neurosciences” (2022), GPS “Neurosciences” thesis supervisor: Marina Vidaki
14. Sofia Morou, GPS “Neurosciences” (2022), thesis supervisor: Emmanouil Froudarakis
15. Ariadni Papadaki, GPS ““Molecular Basis of Human Disease” (2021), thesis supervisor: Domna Karagogeos
16. Sofia Petsagouraki, GPS ‘Molecular Biology-Biomedicine’ (2021), thesis supervisor: Domna Karagogeos
17. Syrago Spanou, GPS “Protein Biotechnology” (2019), thesis supervisor: Irene Athanassakis
18. Vaggelis Koufalis, GPS ““Environmental management” (2019), thesis supervisor: George Koumoundouros
19. Maira Tabakaki, GPS “Brain and Mind” (2019), thesis supervisor: Vaggelis Sakkalis, ICS-FORTH
20. Dimitris Mariatos, GPS ‘Molecular Biology-Biomedicine’ (2019), thesis supervisor: Domna Karagogeos
21. Georgia Soursou, GPS “Bioinformatics” (2019), thesis supervisor: Yiota Poirazi
22. Ira-Eirini Kostopoulou, GPS “Brain and Mind” (2019), thesis supervisor: Yiota Poirazi
23. Angeliki Kolaxi, GPS “Brain and Mind” (2019), qualifying
24. Eleni Skourti, GPS “Brain and Mind” (2018), qualifying
25. Christina Yannacou, GPS “Neurosciences” (2018), thesis supervisor: Achileas Gravanis
26. Ioanna Pandi, GPS “Neurosciences” (2019), thesis supervisor: Panayiota Poirazi
27. Anastasios Kollias, GPS ‘Molecular Biology-Biomedicine’ (2017-2018), thesis supervisor: Vasiliki Nikolettou
28. Michalis Pagkalos, GPS ‘Molecular Biology-Biomedicine’ (2019), thesis supervisor: Panayiota Poirazi
29. Theodoros Tamiolakis, GPS ‘Brain and Mind’ (2017-2018), thesis supervisor: Panayiota Poirazi
30. Konstantinos Petousakis, GPS ‘Brain and Mind’ (2017-2018), thesis supervisor: Panayiota Poirazi
31. Aggeliki Sotiriou, GPS “Neurosciences” (2018), thesis supervisor: Vasiliki Nikolettou
32. Theoklis Amvrosiadis, GPS “Neurosciences” (2016), thesis supervisor: Christos Gkogkas, University of Edinburgh
33. Vasiliki Stavroulaki, GPS “Neurosciences” (2016), thesis supervisor: Stella Giakoumaki
34. Theodora Chalatsi, GPS “Neurosciences” (2016), thesis supervisor: Nektarios Tavernarakis
35. Emmanouela Volitaki, GPS “Neurosciences” (2016), thesis supervisor: Tatiana Korotkova

36. Eirini Fakourelis, GPS 'Molecular Biology-Biomedicine' (2015-), thesis supervisor: Domna Karagogeos,
37. Katerina Stratigi, GPS 'Molecular Biology-Biomedicine' (2014-2015), thesis supervisor: Domna Karagogeos
38. Theodora Velona, GPS 'Neurosciences', School of Medicine (2014), thesis supervisor: Nikoleta Kessaris, UCL
39. Evaggelia Pollali, GPS 'Neurosciences', School of Medicine (2014), thesis supervisor: Panayiota Poirazi
40. Zouzana Kounoupa, GPS 'Neurosciences', School of Medicine (2012), thesis supervisor: Domna Karagogeos
41. Katerina Kalemaki, GPS 'Molecular Biology and Biomedicine, School of Medicine (2012), thesis supervisor: Domna Karagogeos

ROTATION STUDENTS (GRADUATE), UNIVERSITY OF CRETE (51)

1. Nikolaos Nikas, GPS "Neurosciences" (2024)
2. Elena Daskalaki, GPS "Neurosciences" (2024)
3. Eleni Kantinedou, GPS "Brain and Mind" (2024)
4. Elisavet Papa, GPS "Molecular Biology-Biomedicine" (2024)
5. Maria Nefeli Nikolarakou, GPS "Molecular Biology-Biomedicine" (2024)
6. Zoe Drakaki, GPS "Neurosciences" (2022-23)
7. Ioannis Markopoulos, GPS "Molecular Biology-Biomedicine" (2023)
8. Anita Lygeroudi, GPS "Neurosciences" (2022)
9. Chrysoula Iordanidou, GPS "Molecular Biology-Biomedicine" (2022)
10. Aikaterini Kastavou, GPS "Molecular Biology-Biomedicine" (2022)
11. Vasilis Markantonis, GPS "Brain and Mind" (2021)
12. Maria-Ioanna Vynichaki, GPS "Molecular Basis of Human Disease" (2021)
13. Andrianni Lygeraki, GPS "Molecular Biology-Biomedicine" (2021)
14. Olga Lyraki, GPS "Molecular Basis of Human Disease" (2021)
15. Danae Pantazopoulou, GPS "Brain and Mind" (2021)
16. Manolis Agrimakis, GPS "Neurosciences" (2020)
17. Maria Zioga, GPS "Neurosciences" (2020)
18. Eirini Christopoulou, GPS "Neurosciences" (2020)
19. Konstantinos Diskos, GPS "Molecular Biology-Biomedicine" (2020)
20. Lito Parapera-Papantoniou, GPS "Molecular Biology-Biomedicine" (2020)
21. Maria-Eleni Dimaki, GPS "Brain and Mind" (2019)
22. Danai Papadogianni, GPS "Brain and Mind" (2019)
23. George Niotis, GPS "Molecular Biology-Biomedicine" (2019)
24. Vaggelis Koufalis, GPS "Management of Environmental Resources" (2018)
25. Elisavet Droulou, GPS "Neurosciences" (2017)
26. Christina Yiannakou, GPS "Neurosciences" (2017)
27. Dimitra Mavroeidi, GPS "Molecular Biology-Biomedicine" (2017)
28. Dimitris Spyridakos, GPS "Neurosciences" (2017)
29. Ioanna Pandi, GPS "Neurosciences" (2017)
30. Niki Ktena, GPS "Neurosciences" (2017)
31. Myrto Margeli, GPS "Neurosciences" (2017)
32. Eleni Skourti, GPS "Brain and Mind" (2017)

33. Evangelos Kyriazidis, GPS "Molecular Biology-Biomedicine" (2016)
34. Sofia Markakiou, GPS "Molecular Biology-Biomedicine" (2016)
35. Angeliki Veli, GPS "Management of Environmental Resources" (2016)
36. Theoklis Amvrosiadis, GPS "Neurosciences" (2015)
37. Irene Fakourelis, GPS "Molecular Biology-Biomedicine" (2015)
38. Emmanouela Volitaki, GPS "Neurosciences" (2015)
39. Sofia Papadopoulou, GPS "Brain and Mind" (2015)
40. Theodora Chalatsi, GPS "Neurosciences" (2015)
41. Konstantinos Tsirlis, GPS "Brain and Mind" (2015)
42. Christini Katsanevaki, GPS "Brain and Mind" (2015)
43. Georgia Kontodimou, GPS "Neurosciences" (2015)
44. Electra Vitsaki, GPS "Molecular Biology-Biomedicine" (2014)
45. Ourania Tzortzi, GPS "Neurosciences" (2013)
46. Theodora Velona, GPS "Neurosciences" (2013)
47. Evaggelia Pollali, GPS "Neurosciences" (2013)
48. Kleanthi Xalkiadaki, GPS "Neurosciences" (2011)
49. Katerina Kalemaki, GPS "Molecular Biology-Biomedicine" (2011)
50. Maria Kalodimou, GPS "Molecular Biology-Biomedicine" (2010)
51. Vasilis Kehayias, GPS "Brain and Mind" (2010)

**UNDERGRADUATE STUDENTS, THESIS SUPERVISOR, DEPT OF BIOLOGY,
UNIVERSITY OF CRETE (UNLESS OTHERWISE NOTED) (51)**

1. Elena Stavrakopoulou (current)
2. Kyriaki Mastaka (current)
3. Athanasios Giantzaklidis (2025)
4. Vasilis Kozanidis (current)
5. Marina Paschalidi (2024)
6. Dimitris Antoniadis (2024)
7. Niki Tyraki (2024)
8. Iliana Goula (2023)
9. Maria Nazou (2024)
10. Samuele Torrini (2022), Erasmus student, Univ of Bologna, erasmus students
11. Stavriana Panayiotou (2022)
12. Ifigenia Ioannidi (2023)
13. Maria Petinareli (2021)
14. Sofia Perdikari (2021)
15. Iliana Mantouka (2021)
16. Anastasios Cholevas (2021)
17. Orestis Nikolidakis (2020)
18. Marsa Velissariou (2020)
19. Alexandros Georgilis (2020)
20. Maria Zafeiri (2019), Dept of Biomedical applications and technologies, University of Ioannina
21. Chrysa Iordanidou (2019)
22. Katerina Salivara (2019)
23. Theodora Asimi (2019)
24. Konstantinos Diskos (2019)

25. Sofia Morou (2019)
26. Maria-Ioanna Vynichaki (2019)
27. Konstantina Dimoula (2018)
28. Foteini Tsiami (2018)
29. Theodora Steirou (2018)
30. Anastasia Koutoumani (2019)
31. Vaggelis Koufalis (2017)
32. Christos Sougklakos (2017), Dept of Biomedical applications and technologies, University of Ioannina
33. Vasilis Vouvoutsis (2017), Dept of Applied Mathematics, University of Crete
34. Emmanouela Foinikianaki (2017)
35. Irimi Charoniti (2016)
36. Maria Tampakaki (2016)
37. Anastasios Kollias (2015)
38. Evdokia Paza (2015)
39. Kalliopi Lampraki (2015)
40. Vassilis Ioakimidis (2014)
41. Despina Kortessidou (2014)
42. Nikola Stathakopoulou (2014)
43. Christini Katsanevaki (2014)
44. Lydia Pavlidi (2014)
45. Stergia Georgopoulou (2013)
46. Eliana Vasiliou (2013)
47. Marigoula Blassopoulou (2013)
48. Myrisini Vasila (2013)
49. Christos Papantoniou (2012)
50. Vasiliki Sakka (2012)
51. Gioulten Ihtar-Sali (2012)
52. Alexandra Chovsepian (2011)

PEER-REVIEWED PUBLICATIONS

Scholar google (all citations): h-index=23, citations: 2451 (<https://scholar.google.com/citations?user=Ebd356MAAAAJ&hl=en>)

1. L-E Vagiaki, D. Xydias, M. Kefalogianni, S. Psilodimitrakopoulos, E. Stratakis and K. **Sidiropoulou**, Region-specific modulation and predictive potential of the oscillatory dynamics, *Neuroscience letters*, Aug 29;866:138367. doi: 10.1016/j.neulet.2025.138367
2. D. Kynigopoulos, E. Fella, L. Shahabian, C. C. Christodoulou, R. Papacharalampous, K. Diskos, L-E Vagiaki, K. **Sidiropoulou**, M. Pipis, K. A. Kleopa, Elena Panayiotou, Systemic lipid and glucose modulation differentially affects cognitive function and neuroinflammation in a mouse model of Alzheimer's disease, *Frontiers in Neuroscience*, 19:1636624. doi: 10.3389/fnins.2025.1636624
3. V. Stavroulaki*, L-E Vagiaki*, O. Nikolidakis, M. Zafiri, M. E. Plataki and K. **Sidiropoulou**, Effects of working memory training on cognitive flexibility, dendritic spine density and longterm potentiation in female mice, *Behav. Brain Res.* 115555 (2025) doi:10.1016/j.bbr.2025.115555.

4. T. A. Sjöström, A. Ivanov, N. Kiani, I. Bernacka-Wojcik, J. Samuelsson, H. Saarela, D. Xydias, L-E Vagiaki, S. Psilodimitrakopoulos, I. Konidakis, **K. Sidiropoulou**, E. Stratakis, M. Berggren, C. Bernard, and D. T. Simon, Miniaturized iontronic micropipettes for precise and dynamic ionic modulation of neuronal and astrocytic activity, *Small* (2025) doi:10.1002/sml.202410906.
5. M. Kokkali, K. Karali, E. Thanou, M.A. Papadopoulou, I. Zota, A. Tsimpolis, P. Efstathopoulos, K. W. Li, **K. Sidiropoulou**, A. Gravanis and I. Charalampopoulos, Multifactorial neuroprotective effects of BNN27, a Nerve Growth Factor mimetic, in the 5xFAD mouse model of Alzheimer's Disease, *Molecular Psychiatry*, Nov 25. doi: 10.1038/s41380-024-02833-w.
6. A. Plaitakis, **K. Sidiropoulou**, D. Kotzamani, I. Zaganas and C. Spanaki (2024) Evolution of Glutamate Metabolism via GLUD2 Enhances Lactate-Dependent Synaptic Plasticity and Complex Cognition, *International Journal of Molecular Sciences*, 2024 May 13;25(10):5297. doi: 10.3390/ijms25105297.
7. C. Spanaki*, **K. Sidiropoulou***, Z. Petraki, K. Diskos, X. Konstantoudaki, E. Volitaki, K. Mylonaki, M. Savvaki and A. Plaitakis (2024) Glutamate-specific Gene Linked to Human Brain Evolution Enhances Synaptic Plasticity and Cognitive Processes, *iScience*, Jan 19;27(2):108821. doi: 10.1016/j.isci.2024.108821. eCollection 2024 Feb 16. *equal first authors
8. V. Stavroulaki, **K. Sidiropoulou**, P. Bitsios and S.G. Giakoumaki (2023) Far transfer effects of executive working memory training on cognitive flexibility, *Current Psychology*, 42: 22370–22378, doi: 10.1007/s12144-022-03363-w
9. M. Thomaidi, L-E Vagiaki, N. Tripolitsiotis, S. Angeli, T. Zarganes-Tzitzikas, **K. Sidiropoulou**, C.G. Neochoritis (2022) Local anaesthetics via multicomponent reactions, *ChemMedChem*, Aug 3;17(15):e202200246. doi: 10.1002/cmdc.202200246. Epub 2022 Jun 23.
10. T. Rogdakis, D. Charou, E. Papadimitriou, A. Latorrata, C. Athanasiou, A. Tsengenes, M. Papadopoulou, T. Katsila, I. Ramos, R.C. Wade, **K. Sidiropoulou**, T. Calogeropoulou, A. Gravanis, I. Charalampopoulos (2022) Development and biological characterization of a novel TrkA agonist with neuroprotective properties against amyloid toxicity, *Biomedicines*, Mar 6;10(3):614. doi: 10.3390/biomedicines10030614.
11. E. Kallergi, A-D Daskalaki, A. Kolaxi, C. Comus, E. Ioannou, V. Mercaldo, P. Haberkant, F. Stein, **K. Sidiropoulou**, M.M. Savitski, Y. Dalezios, C. Bagni, D. Choquet, E. Hosy, and V. Nikolettou (2022) Dendritic autophagy degrades postsynaptic proteins and is required for long-term synaptic depression, *Nature Communications*, Feb 3;13(1):680. doi: 10.1038/s41467-022-28301-z.
12. A. Velli, C. Iordanidou, T. Asimi, M-I Vynichaki, A. Cholevas, I. Mantouka, L. Naessens, K. Chalkiadaki and **K. Sidiropoulou**, (2022) Sexual dimorphic effects of restraint stress on prefrontal cortical function are mediated by glucocorticoid receptor activation, *European Journal of Neuroscience*, May;55(9-10):2754-2765. doi: 10.1111/ejn.15203
13. K. Kalemaki, A. Velli, O. Christodoulou, M. Denaxa and D. Karagogeos* and **K. Sidiropoulou*** (2022) The developmental changes in intrinsic and synaptic properties of prefrontal neurons enhance local network activity from the second to the third postnatal week in mice (*equal senior contribution), *Aug 22;32(17):3633-3650*. doi: 10.1093/cercor/bhab438.
14. S.G. Giakoumaki, **K. Sidiropoulou** and A. Stamatakis (2021) Editorial: Understanding Early Detection Markers in Schizophrenia, *Frontiers in Behavioral Neuroscience*;15:724509. doi: 10.3389/fnbeh.2021.724509.
15. M.E. Plataki, K. Diskos, C. Sougklakos, M. Velissariou, A. Georgilis, V. Stavroulaki, and **K. Sidiropoulou** (2021) Different NMDA-dependent postnatal periods for the development of

- cognitive functions, *Frontiers in Behavioral Neuroscience*, 15:689193. doi: 10.3389/fnbeh.2021.689193.
16. V. Stavroulaki, V. Ioakimides, X. Konstantoudaki and **K. Sidiropoulou** (2021) Enhanced synaptic properties of the prefrontal cortex and hippocampus after learning a spatial working memory task in adult male mice, *Journal of Neuroscience Research*; 99(7):1802-1814. doi: 10.1002/jnr.24833.
 17. V. Stavroulaki, S.G. Giakoumaki and **K. Sidiropoulou** (2021) Working memory training effects across lifespan, *Mechanisms of Aging and Development*, 2021 Mar;194:111415. doi: 10.1016/j.mad.2020.111415. Epub 2020 Dec 15.
 18. K. Xie, M. Kapetanou, **K. Sidiropoulou**, D. Bano, E. S. Gonos, A. Mladenovic Djordjevic and D. Ehninger (2020) Signaling pathways of dietary energy restriction and metabolism on brain physiology and in age-related neurodegenerative diseases, *Mechanisms of Aging and Development*, 2020 Dec;192:111364. doi: 10.1016/j.mad.2020.111364. Epub 2020 Sep 28.
 19. 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) Neural Stem Cell Delivery via Porous Collagen Scaffolds Promotes Neuronal Differentiation and Locomotion Recovery in Spinal Cord Injury, *NPJ Regenerative Medicine*, Jun 15;5:12. doi: 10.1038/s41536-020-0097-0. eCollection 2020.
 20. A. Papadakis, **K. Sidiropoulou** and G. Panagis (2019) 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.
 21. 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*, 2019 Jan;144:193-207. doi: 10.1016/j.neuropharm.2018.10.026. Epub 2018 Oct 24.
 22. K. Kalemaki, X. Konstantoudaki, **K. Sidiropoulou**, and D. Karagogeos (2018) 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.
 23. 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
 24. 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.
 25. L. Zoupi, M. Savvaki, K. Kalemaki, I. Kalafatakis, **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.
 26. 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

27. 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
28. D.P. Ryan, K.S. Henzel, B.L. Pearson, M.E. Siwek, A. Papazoglou, K. Paesler, R. Müller, K. Xie, S. Schröder, L. Becker, L. Garrett, S.M. Höltér, F. Neff, I. Rácz, B. Rathkolb⁴, J. Rozman, G. Ehninger, M. Klingenspor, T. Klopstock, E. Wolf, W. Wurst, A. Zimmer, H. Fuchs, V. Gailus-Durner, M.H. de Angelis, **K. Sidiropoulou**, M. Weiergräber, and D. Ehninger (2017), A paternal methyl donor-rich diet altered cognitive and neural functions in offspring mice, *Molecular Psychiatry*, Apr 4. doi: 10.1038/mp.2017.53. [Epub ahead of print]
29. I. Sotiriou, K. Chalkiadaki, N. Christos, **K. Sidiropoulou** and E. Chatzaki (2017), Pharmacotherapy in smoking cessation: Corticotropin Releasing Factor receptors as emerging intervention targets, *Neuropeptides*, 2017 Feb 14. pii: S0143-4179(16)30137-8. doi: 10.1016/j.npep.2017.02.082.
30. E. Georgiou, **K. Sidiropoulou**, J. Richter, C. Papaneophytou, I. Sargiannidou, A. Kagiava, G. von Jonquieres, C. Christodoulou, M. Klugmann, K. Kleopas (2017) Gene therapy targeting oligodendrocytes provides therapeutic benefit in a leukodystrophy model, *Brain*, Jan 18. pii: aww351. doi: 10.1093/brain/aww351
31. X. Konstantoudaki, K. Chalkiadaki, S. Tivodar, D. Karagogeos and **K. Sidiropoulou** (2016) Impaired synaptic plasticity in the prefrontal cortex of mice with developmentally decreased numbers of interneurons, *Neuroscience*. 2016 Feb 26. pii: S0306-4522(16)00188-3. doi: 10.1016/j.neuroscience.2016.02.048.
32. P. Efstathopoulos, A. Kourgiantaki, K. Karali, **K. Sidiropoulou**, A.N. Margioris, A. Gravanis and I. Charalampopoulos (2015) Fingolimod induces neurogenesis in adult mouse hippocampus and improves contextual fear memory, *Translational Psychiatry*, Nov 24;5:e685. doi: 10.1038/tp.2015.179.
33. A. Papoutsis, **K. Sidiropoulou** and P. Poirazi (2014) Dendritic nonlinearities reduce network size requirements and mediate ON and OFF states of persistent activity in a PFC microcircuit model, *PloS Comput Biol*; 10(7): e1003764. doi: 10.1371/journal.pcbi.1003764
34. X. Konstantoudaki, A. Papoutsis, K. Chalkiadaki, P. Poirazi and **K. Sidiropoulou** (2014) Modulatory effects of inhibition in a cortical microcircuit model, *Frontiers in Neural Circuits*, 8:7. doi: 10.3389/fncir.2014.00007.
35. A. Papoutsis, **K. Sidiropoulou**, V. Cutsuridis and P. Poirazi (2013) Induction and modulation of persistent activity in a layer V PFC microcircuit model, *Frontiers in Neural Circuits*, 7:161, doi: 10.3389/fncir.2013.00161.
36. **K. Sidiropoulou** and P. Poirazi (2012) Predictive features of persistent activity emergence in regular spiking and intrinsic bursting model neurons, *PLoS Comput Biol*, 8(4):e1002489.
37. E.K. Pissadaki, **K. Sidiropoulou**, M. Rezcko, P. Poirazi (2010) Encoding of spatio-temporal input characteristics by a CA1 pyramidal neuron model, *PLoS Comput Biol*. 16; 6(12):e1001038.
38. C. Shilyansky, K.H. Karlsgodt, D. Cummings, **K. Sidiropoulou**, M. Hardt, A.S. James, D. Ehninger, C.E. Bearden, P. Poirazi, J.D. Jentsch, T.D. Cannon, M.S. Levine, A.J. Silva (2010) Neurofibromin Regulates Corticostriatal Inhibitory Networks During Working Memory Performance, *PNAS*, 107(29):13141-6.
39. **K. Sidiropoulou**, E.D. Ozkan, M. Fowler, F.J. White, C. Philips, and D.C. Cooper (2009) Dopamine modulates an mGluR5-induced depolarization underlying prefrontal persistent activity, *Nature Neuroscience*, 2009, 12(2): 190-199

40. L. Liebmann, H. Karst, **K. Sidiropoulou**, N. van Gemert, O.C. Meijer, P. Poirazi, and Marian Joëls, Differential effects of corticosterone on the sAHP in the basolateral amygdala and CA1 region: Possible role of calcium channel subunits, *Journal of Neurophysiology*, 2008 Feb; 99(2):958-68.
41. M.A. Fowler, **K. Sidiropoulou**, E.D. Ozkan, C.W. Phillips, and D.C. Cooper (2006) Corticolimbic expression of TRPC4 and TRPC5 channels in the rodent brain is associated with an action potential burst-induced delayed afterdepolarization, *Plos One*, 2007 Jun 27; 2(6): e573.
42. **K. Sidiropoulou**, M. Joels and P. Poirazi (2006) Modeling stress-induced adaptations in Ca⁺⁺ dynamics, *Neurocomputing*, doi:10.1016 /j.neucom.2006.10.068
43. **K. Sidiropoulou**, E. K. Pissadaki, and P. Poirazi (2006) Modeling single neuron computations, *EMBO reports*, 7(9): 880-885.
44. C. McClung, **K. Sidiropoulou**, M.H. Vitaterna, J.S. Takahashi, and F.J. White, and D.C. Cooper, E.J. Nestler (2005) Regulation of Dopaminergic Transmission and Cocaine Reward by the Clock Gene, *PNAS*, 102 (26): 9377-9381.
45. F.J. Nasif, **K. Sidiropoulou**, H-T Hu, and F.J. White (2004), Repeated Cocaine Administration Increases Membrane Excitability of Pyramidal Neurons in the Rat Medial Prefrontal Cortex, *JPET*, 312: 1305-1313.
46. **K. Sidiropoulou**, S. Chao, W.-X. Lu, and M.E. Wolf (2001), Amphetamine administration does not alter protein levels of the GLT-1 and EAAC1 glutamate transporter subtypes in rat midbrain, nucleus accumbens, striatum, or prefrontal cortex. *Molecular Brain Res.*, 90:187-192.

PUBLICATIONS SUBMITTED AND UNDER REVIEW

47. B. T. Winn, M. Huang, J. Younkin, M.S. Brodie, V. Casado, C.G. Eptaminitaki, Y. Yang, M. C. Gaines-Smitt, A. Velli, M. Mascoti, T. Kawano, R. Manetsch, S. Ferre, L.D. Plant, E. Moreno, K. Sidiropoulou, J. Gonzalez-Maeso, D.E. Logothetis, Antipsychotics target the dopamine-2 / serotonin-2A G protein-coupled receptor heterodimer, submitted

BOOK CHAPTERS

1. K. Sidiropoulou, Memory in the Writings of Aristotle: Comparison with the Current Theories of Memory in Neuroscience, in *Cognition in Ancient Greek Philosophy and its Reception: Interdisciplinary Approaches*, M. Mouzala, editor, ISBN 978-3-98572-174 (2024)
2. 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)

BOOKS

1. Βασικές αρχές λειτουργίας του νευρικού συστήματος (Basic principles of nervous system function), μονογραφία, Kallipos repository, ISBN: 978-960-603-476-3, <https://repository.kallipos.gr/handle/11419/4828>, (2016)

BOOK TRANSLATIONS into Greek

- Principles of animal physiology, Utopia, 3 chapters proofreading

- Animal physiology, Sherwood, Broken Hill Publishers, 1 chapter translation and 1 chapter proofreading
- Biology of behavior, Odysseus publishing, 2 chapters proofreading
- Brain and Behavior, Gutenberg publishing, 2,5 chapters proofreading
- Human Physiology, Silverthorn, Broken Hill Publishers, 2 chapters proofreading
- Developmental Neurobiology, Crete University Press (2018), 1 chapter translation
- Human Physiology (2016), Basdra editions, 4 chapters proofreading
- Basic Principles of Neuropsychology, 2 chapters proofreading

POSTER PRESENTATIONS

1. Diskos, Naxos meeting
2. Velli, Naxos meeting
- 3.
4. A. Velli, C. Iordanidou and **K. Sidiropoulou**, Circuit mechanisms underlying the sexual dimorphic effects of restraint stress on prefrontal cortical neuronal properties, FENS meeting, Vienna, Austria, 25-29 June 2024
5. L-E Vagiaki, D. Xydias, M. Kefalogianni, S. Psilodimitrakopoulos, E. Stratakis and **K. Sidiropoulou**, The role of the pre-ictal oscillatory dynamics in an *ex vivo* model of seizure-like activity in the different hippocampal subregions, FENS meeting, Vienna, Austria, 25-29 June 2024
6. S. Petsagouraki, D. Pinatel, E. Pearlstein, Voulgari, I. Sifakis, L-E Vagiaki, M. Agrimakis, M. Vidaki, **K. Sidiropoulou**, C. Faivre-Sarrailh, D. Karagogeos, Contactin2: Myelination Dynamics and Synaptic Plasticity in Hippocampal Interneurons, FENS meeting, Vienna, Austria, 25-29 June 2024
7. O. Christodoulou, K. Diskos, A. Velli, **K. Sidiropoulou** and M. Denaxa, Unravelling the molecular and functional maturation of the SST-expressing cortical interneurons during the first postnatal month, 30th meeting of the Hellenic Society for Neuroscience, Athens, Greece, 24-26 November 2023
8. Z. Drakaki, L.-E. Vagiaki and **K. Sidiropoulou**, Neurophysiological alternations in the mouse hippocampus following Working Memory Training, 30th meeting of the Hellenic Society for Neuroscience, Athens, Greece, 24-26 November 2023
9. L.-E. Vagiaki, D. Xydias, M. Kefalogianni, S. Psilodimitrakopoulos, E. Stratakis and **K. Sidiropoulou**, Properties and predictive potential of the pre-ictal oscillatory dynamics in an *ex vivo* model of seizure-like activity in the different hippocampal subregions, 30th meeting of the Hellenic Society for Neuroscience, Athens, Greece, 24-26 November 2023, **poster presentation award**
10. A. Velli, K. Diskos, O. Lyraki and **K. Sidiropoulou**, Adaptations in prefrontal cortical and hippocampal function in adolescent MAM mice, European Brain and Behavior Society meeting, Amsterdam, The Netherlands, 26-29 August 2023
11. K. Diskos, A. Velli, N. Tyraki and **K. Sidiropoulou**, Early postnatal developmental alterations of excitation-inhibition ratio in the medial prefrontal cortex could contribute to working memory deficits in adulthood in the MAM model of schizophrenia, European Brain and Behavior Society meeting, Amsterdam, The Netherlands (K. Diskos received a travel award for attending the meeting), 26-29 August 2023

12. K. Diskos, A. Velli, M. Plataki and **K. Sidiropoulou**, Early-life changes in prefrontal cortical spontaneous activity, GABAergic activity and recency memory in the MAM model of schizophrenia, FENS 2022, 8-14/7/2022
13. **K. Sidiropoulou**, K. Kalemaki, A. Velli, O. Christodoulou, M. Deanna and D. Karagogeos, The developmental changes in intrinsic and synaptic properties of prefrontal neurons enhance local network activity from the second to the third postnatal weeks in mice, EMBO meeting on Molecular Neuroscience, 23-27/5/2022, Fodele, Crete
14. I. Ioannidi, L. Parapera-Papantoniou and **K. Sidiropoulou**, Effects of autophagy impairment during adolescence on dendritic spine density in prefrontal cortical neurons and cognitive functions, EMBO meeting on Molecular Neuroscience, 23-27/5/2022, Fodele, Crete
15. M. Tampakaki, George J. Tserevelakis, A-A Katsoli, E.Tzamali, V. Sakkalis, J. Papamatheakis, **K. Sidiropoulou**, G. Zacharakis, Ex vivo hybrid imaging of human brain cancer, EMIM2022, March 2022, Thessaloniki, Greece
16. A. Velli, C. Iordanidou, T. Asimi, M. Vynichaki, A. Cholevas, I. Mantouka, L. Nassens, K. Chalkiadaki and **K. Sidiropoulou**, Sexual dimorphic effects of restraint stress on prefrontal cortical function are mediated by glucocorticoid receptor activation, EBBS meeting, Lausanne, Switzerland, 4-8/9/2021
17. S.G. Giakoumaki, V. Stavroulaki and **K. Sidiropoulou**, Cognitive flexibility in extreme schizotypy scorers after adaptive training of executive working memory: Preliminary evidence, 8th European Conference on Schizophrenia Research (ECSR), 23 - 25 September 2021, Virtual Conference
18. K. Diskos, A. Velli, M. Plataki, **K. Sidiropoulou**, Early-life changes in prefrontal cortical spontaneous activity and recency memory in the MAM model of schizophrenia, FENS Regional meeting 2021, 25-27 August 2021, virtual meeting
19. M. Plataki, K. Diskos, C. Souglakos, M. Velissariou, A. Georgilis, V. Stavroulaki and **K. Sidiropoulou**, Effect of neonatal treatment with the NMDA receptor antagonist, MK-801, during different temporal windows of postnatal period in adult prefrontal cortical and hippocampal function, FENS Regional Meeting 2021, virtual meeting
20. 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
21. **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
22. E. Tabakaki and **K. Sidiropoulou**, Neuroscience in Ancient Greece, 28th Hellenic Society for Neuroscience meeting, 4-6 October 2019, Heraklio, Greece
23. 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
24. 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
25. 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

26. 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
27. 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
28. 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
29. M. Plataki, C. Souglakos and **K. Sidiropoulou** (2018) Effects of neonatal MK-801 administration onto prefrontal cortical and hippocampal function in adulthood, FENS forum 2018, Berlin, Germany
30. 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
31. 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
32. 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
33. 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
34. 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
35. A. Velli, K. Chalkiadaki, A. Chatzaki and **K. Sidiropoulou** (2017) Effect of corticotropin releasing factor receptor antagonists on long-term potentiation in the the male and female prefrontal cortex, Hellenic Society for Neuroscience meeting, Athens, Greece
36. E. Kyriazidis, M. Aivaliotis and **K. Sidiropoulou** (2017) Proteomic analysis in the 'MAM' mouse model of schizophrenia, Chemical Biology of Disease, Heraklio, Greece
37. V. Stavroulaki, V. Koufalis, E. Kazantzaki, P. Bitsios, S.G. Giakoumaki, **K. Sidiropoulou** (2017) Effects of working memory training on cognitive flexibility in both man and mouse, European Brain Pharmacology Society meeting, Chersonissos, Greece
38. 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
39. K. Chalkiadaki, A. Chatzaki and **K. Sidiropoulou** (2016), Sex differences in the MAM model of schizophrenia in mice, ACNP congress, Hollywood, FL, USA
40. 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
41. 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

42. 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
43. E. Georgiou, A. Kagiava, **K. Sidiropoulou**, J. Richter, I. Sargiannidou, Christos Papaneophytou, G. von Jonquieres, C. Christodoulou, M. Klugmann, Kleopas A. Kleopa (2016) Gene delivery to oligodendrocytes reestablishes gap junctions and rescues a hypomelinating leukodystrophy model, European Academy of Neurology meeting, Copenhagen, Denmark
44. K. Chalkiadaki and **K. Sidiropoulou** (2015) Development of the MAM model of Schizophrenia in mice, FFRM2015, Thessaloniki, Greece
45. C. Katsanevaki and **K. Sidiropoulou** (2015) Regular spiking and intrinsic bursting models and persistent activity, FFRM2015, Thessaloniki, Greece
46. X. Konstantoudaki, V. Ioakimides and **K. Sidiropoulou** (2015), Enhanced long-term potentiation underlies the effects of working memory training, EBBS-EBPS joint meeting, Verona, Italy
47. K. Chalkiadaki and **K. Sidiropoulou** (2015) Development of the MAM model of Schizophrenia in mice, EBBS-EBPS joint meeting, Verona, Italy
48. 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
49. 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
50. K. Chalkiadaki and **K. Sidiropoulou** (2014) Development of the MAM model of Schizophrenia in mice, EEBMB meeting, Thessaloniki, Greece
51. X. Konstantoudaki, K. Chalkiadaki, S. Tivodar, D. Karagogeos and **K. Sidiropoulou** (2014) Delayed maturation of prefrontal cortical functions and underlying synaptic plasticity mechanisms, FENS forum, Milan, Italy
52. 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
53. P. Eftsathopoulos, A. Kourgiantaki, **K. Sidiropoulou**, D. Kortessidou, I. Charalampopoulos and A. Gravanis, Neurogenic effects of fingolimod in the hippocampus affecting fear memory (2014) Keystone Symposia “Adult Neurogenesis”, Stockholm, Sweden.
54. X. Konstantoudaki, K. Chalkiadaki, S. Tivodar, D. Karagogeos and **K. Sidiropoulou** (2014), Cellular mechanisms underlying co-morbidity of anxiety and epilepsy in mice with decreased number of interneurons, Cortical Development meeting, Chania, Greece
55. K. Chalkiadaki, M. Vlassopoulou, X. Konstantoudaki and **K. Sidiropoulou** (2013), Cellular activation underlying age-dependent changes in anxiety levels between juvenile and adult mice, Annual HSN meeting, Athens, Greece
56. X. Konstantoudaki, K. Chalkiadaki, E. Vasiliou, S. Georgopoulou, S. Tivodar, D. Karagogeos and **K. Sidiropoulou** (2013), Alterations in physiology of prefrontal cortex underlie the development of emotional and cognitive processes across lifespan, Annual HSN meeting, Athens, Greece

57. X. Konstantoudaki, S. Tivodar, D. Karagogeos and **K. Sidiropoulou** (2013) Age-dependent changes in prefrontal cortical function: The role of inhibition, European Brain and Behavior Society meeting, Munich, Germany
58. **K. Sidiropoulou** and P. Poirazi (2013) Encoding and decoding stimuli that generate persistent activity, COSYNE meeting, Salt Lake City, UT
59. 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
60. K. Psichias, P. Poirazi and **K. Sidiropoulou** (2012) Biophysical modulation of persistent activity in a detailed model neuron of the prefrontal cortex, Hellenic Society for Computational Biology and Bioinformatics (HSCBB), Heraklio, Greece
61. X. Konstantoudaki, K. Chalkiadaki, A. Papoutsis, P. Poirazi and **K. Sidiropoulou** (2012) Contribution of distinct interneuron cell types in persistent activity properties in a cortical microcircuit model, Hellenic Society for Computational Biology and Bioinformatics (HSCBB), Heraklio, Greece
62. X. Konstantoudaki, S. Tivodar, K. Kalemaki, V. Sakka, D. Karagogeos and **K. Sidiropoulou** (2012) Behavioral and plasticity deficits in mice with reduced inhibition, FENS forum, Barcelona, Spain
63. X. Konstantoudaki, S. Tivodar, K. Kalemaki, V. Sakka, D. Karagogeos and **K. Sidiropoulou** (2011) Behavioral and physiological effects in mice with developmentally decreased inhibition, Hellenic Neuroscience meeting, Patras, Greece (presented with the student award to X. Konstantoudaki)
64. **K. Sidiropoulou**, J. Shobe, G. Kastellakis, P. Poirazi, A. Silva (2011) The role of intrinsic excitability in memory allocation, EBBS meeting, Seville, Spain
65. **K. Sidiropoulou** and P. Poirazi (2011) Firing pattern specific properties of persistent activity in a pyramidal neuron model, Society for Neuroscience meeting, Washington, DC
66. J.L Shobe, D.J. Cai, **K. Sidiropoulou**, A.J. Silva (2011) Testing the behavioral implications of memory allocation, Society for Neuroscience meeting, Washington, DC
67. G. Kastellakis, **K. Sidiropoulou**, and P. Poirazi (2010) Computational modeling of the fear memory trace, Molecular and Cellular Cognition Lecture course, Venice, Italy
68. X. Konstantoudaki, **K. Sidiropoulou**, A. Papoutsis, and P. Poirazi (2010) Distinct interneuron cell types shape persistent activity properties in a PFC microcircuits, AREADNE 2010, Santorini, Greece
69. A. Papoutsis, **K. Sidiropoulou**, and P. Poirazi. (2010) Microcircuits in the prefrontal cortex: In silico investigation of their role in the emergence, maintenance, and termination of persistent activity, AREADNE 2010, Santorini, Greece
70. **K. Sidiropoulou**, A. Papoutsis and P. Poirazi. (2009) Information coding via persistent activity in layer V prefrontal cortical neuron models, EMBO conference series on: The assembly and function of neuronal circuits, Ascona, Switzerland
71. X. Konstantoudaki, **K. Sidiropoulou**, A. Papoutsis and P. Poirazi, (2009) The role of distinct interneuron cell types in initiation and maintenance of persistent activity in a PFC model microcircuit, EBBS and HSN meetings, Rhodes, Greece

72. A. Papoutsis, **K. Sidiropoulou**, and P. Poirazi, (2009) Cellular and synaptic mechanisms underlying persistent activity in a model PFC microcircuit, Computational Neuroscience meeting, Berlin, Germany
73. A. Papoutsis, **K. Sidiropoulou**, and P. Poirazi. (2008) Underlying biophysical mechanisms of persistent activity in a model neuron. Hellenic Soc for Neuroscience meeting, Athens, Greece
74. **K. Sidiropoulou**, A. Papoutsis 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
75. A. Papoutsis, **K. Sidiropoulou**, and P. Poirazi (2007) The role of cellular and synaptic mechanisms during persistent activity in a model neuron. Hellenic Soc for Neuroscience meeting, Thessaloniki, Greece
76. **K. Sidiropoulou** and P. Poirazi (2007) Interactions of synaptic and intrinsic mechanisms during persistent activity in a layer V PFC model neuron, Soc. Neurosci. Abstr, San Diego, CA, 477.17
77. D.C. Cooper, E.D. Ozkan, **K. Sidiropoulou**, M.A. Fowler and C. Phillips (2006) Metabotropic glutamate receptor 5 (mGluR5) mediated intrinsic mechanism of delay period activity in the prefrontal cortex, Soc Neurosci Abstr, Atlanta, GA
78. **K. Sidiropoulou**, M. Joels and P. Poirazi (2006) Differential effects in hippocampal CA1 neuronal excitability under simulated stress conditions, Hellenic Society for Neuroscience, Heraklio, Greece, September 2006
79. **K. Sidiropoulou**, M. Joels and P. Poirazi (2006) Input pattern dependence of simulated stress-induced adaptations in CA1 neuronal excitability, Modeling the Brain's Labyrinth, Fodele, Crete, Greece, September 2006
80. **K. Sidiropoulou** and V. Zachariou (2005) Differential regulation of RGS9-2 and RGS4 by hindpaw formalin injection. Soc Neurosci Abstr, Washington, D.C.
81. C.A. McClung, **K. Sidiropoulou**, D. Yang, M. Vitaterna, J.S. Takahashi, F.J. White, D.C. Cooper and E.J. Nestler (2003) Regulation of dopaminergic transmission and cocaine reward by the Clock gene. 43rd meeting of American College of Neuropsychopharmacology, San Jose, Puerto Rico.
82. **K. Sidiropoulou**, D.C. Cooper, and F.J. White (2003) Dopaminergic modulation of an intrinsic gating mechanism of delay-period activity in the rat medial prefrontal cortex, Gordon Research Conference on Catecholamines, Oxford, UK
83. F.J. Nasif, **K. Sidiropoulou**, X-T Hu, and F.J White (2003) Increased excitability of medial prefrontal cortex pyramidal neurons after long-term withdrawal from repeated cocaine. Soc Neurosci Abstr., New Orleans, LA
84. C.A. McClung, D.C. Cooper, **K. Sidiropoulou**, Q.L. Young, N. Sanchez, M. Vitaterna, J.A. Garcia, S.L. McKnight, J.S. Takahashi, F.J. White, and E.J. Nestler, (2003) Clock and NPAS2 differentially regulate cocaine reward. Soc. Neurosci. Abstr., New Orleans, LA
85. **K. Sidiropoulou**, D.C. Cooper, and F.J. White (2002) Further characterization of the action potential-induced slow after depolarization following activation of metabotropic glutamate receptors in layer V prefrontal cortical neurons. Soc. Neurosci. Abstr., Orlando, FL
86. **K. Sidiropoulou**, D.C. Cooper, and F.J. White (2002) Effects of repeated cocaine treatment on the action potential slow after depolarization induced following activation of metabotropic glutamate receptors in prefrontal cortical neurons. Federation of European Neuroscience Societies meeting, Paris, France

87. **K. Sidiropoulou**, D.C. Cooper, and F.J. White (2001) Effects of metabotropic glutamate receptor activation on the action potential after depolarization on layer V prefrontal cortical neurons. Soc. Neurosci. Abstr., San Diego, CA
88. **K. Sidiropoulou**, D.C. Cooper, L. Baker, M.H. Vitaterna, J.S. Takahashi, and F.J. White (2000) Basal hyperactivity and behavioral sensitization to cocaine in clock mutant mice, Soc. Neurosci. Abstr, New Orleans, LA
89. **K. Sidiropoulou**, S. Chao, W.-X. Lu, and M.E. Wolf (1999) Does amphetamine administration alter the levels of glutamate transporters in the brain? Soc. Neurosci. Abstr, Miami, FL