Antonios Stamatakis
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Biology-Biochemistry lab, Sector of Basic Sciences
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TEACHING

Undergraduate

1. Biology of the Cell, Winter
2. Biology of Behaviour, Spring
3. Methodology of Research (co-teaching), Spring

Postgraduate

1. Methodology of Research (co-teaching), Winter, Graduate programs of Nursing
2. Biology of Cancer, Spring,
3. Animal Behavioral Neuroscience, Athens Neuroscience Master's Program

EDUCATION

Doctoral Diploma: Dept. of Biology, University of Crete, 2000
Postgraduate Diploma: Dept. of Biology, University of Crete, 1995
First Degree: Dept. of Biology, University of Crete, 1993

RESEARCH INTERESTS

1. Effects of early life experiences on brain structure and function
2. Effects of endocrine disruptors on brain development and function

RESEARCH PROGRAMMES

1. (HORIZON 2020, MIS 436880, EDC-MixRisk, 2015-2019 - member of research team, effects of endocrine disruptor mixtures on development, sexual differentiation and brain function in mice.
2. General Secretariat of Research & Technology (GSRT)– ARISTIA II- program, member of research team. "Integrated functional analysis of FRA10AC1, the chromosomal fragile site 10A causative gene".
3. Latsis Foundation-Research grant 2013- member of research team. "Cellular and neurochemical consequences on adult rat brain of a neonatal experience of receipt or denial of reward through maternal contact."
4. GSRT – THALIS program 2012-2015- member of research team. "The role of dopamine on neuronal plasticity and learning and memory in rats, in models of dopaminergic denervation and in patients with Parkinson."
5. GSRT – THALIS program 2012-2015- member of research team. "Biological effects of non-ionizing radiation: An interdisciplinary approach."

SCIENTIFIC PUBLICATIONS

1. Segklia K*, **Stamatakis A***, Stylianopoulou F, Lavdas A.A., Matsas R. "Increased Anxiety-Related Behavior, Impaired Cognitive Function and Cellular Alterations in the Brain of Cend1-deficient Mice." Frontiers Cellular Neuroscience, 12:497, 2019. doi: 10.3389/fncel.2018.00497 * Equal contribution

2. Vangopoulou C., Bourmpoula M.T., Koupourtidoua C., Giompres P., **Stamatakis A.,** Kouvelas E.D., Mitsacos A. "Effects of an early life experience on rat brain cannabinoid receptors in adolescence and adulthood." IBRO Reports, 5:1-9, 2018. https://doi.org/10.1016/j.ibror.2018.05.002
3. Diamantopoulou A., Kalpachidou T., Aspiotis G., Gampierakis I., Stylianopoulou F*, **Stamatakis A.*** "An early experience of mild adversity involving temporary denial of maternal contact affects the serotonergic system of adult male rats and leads to a depressive-like phenotype and inability to adapt to a chronic social stress." Physiol Behav. 184:46-54. doi: 10.1016/j.physbeh.2017.11.004, 2018. * Equal contribution
4. Stasinopoulou M, Fragopoulou AF, Stamatakis A, Mantziaras G, Skouroliakou K, Papassideri IS, Stylianopoulou F, Lai H, Kostomitsopoulos N, Margaritis LH. "Effects of pre- and postnatal exposure to 1880-1900MHz DECT base radiation on development in the rat." Reprod Toxicol. 65:248-262. doi: 10.1016/j.reprotox.2016.08.008.
5. Konsolaki E., Tsakanikas P., Polissidis A.V., **Stamatakis A**., Skaliora I. "Early signs of pathological cognitive aging in mice lacking high-affinity nicotinic receptors." Frontiers Aging Neuroscience 8:91. doi: 10.3389/fnagi.2016.00091
6. Manatos V., Stylianopoulou F., **Stamatakis A.** "The levels of the GluN2A NMDA receptor subunit are modified in both the neonatal and adult rat brain by an early experience involving denial of maternal contact." Neurosci. Lett. 612:98-103. doi: 10.1016/j.neulet.2015.12.005
7. Koutsoudaki P.N., Papastefanaki F., **Stamatakis A**., Georgia Kouroupi G., Xingi E., Stylianopoulou F., Matsas R. "Neural stem/progenitor cells differentiate into oligodendrocytes, reduce inflammation and ameliorate learning deficits after transplantation in a mouse model of traumatic brain injury." Glia, 64(5):763-79. doi: 10.1002/glia.22959.
8. **Stamatakis A.,** Manatos V., Kalpachidou T., Stylianopoulou F. "Exposure to a mildly aversive early life experience leads to prefrontal cortex deficits in the rat", Brain Structure and Function, 221(8):4141-415, DOI: 10.1007/s00429-015-1154-0, 2016.
9. Bastakis G., Savvaki M., **Stamatakis A**., Vidaki M., Karagogeos D. "Tag1 deficiency results in olfactory dysfunction through impaired migration of mitral cells." Development, 142(24):4318-28. doi: 10.1242/dev.123943
10. Kalpachidou T, Raftogianni A, Melissa P, Kollia AM, Stylianopoulou F, **Stamatakis A**. "Effects of a Neonatal Experience Involving Reward Through Maternal Contact on the Noradrenergic System of the Rat Prefrontal Cortex." Cereb Cortex. 26(9):3866-77. doi: 10.1093/cercor/bhv192, 2016.
11. **Stamatakis A.,** Kalpachidou T., Raftogianni A., Zografou E., Tzanou A., Pondiki S., Stylianopoulou F. "Rat dams exposed repeatedly to a daily brief separation from the pups exhibit increased maternal behavior, decreased anxiety and altered levels of receptors for estrogens (ERα, ERβ), oxytocin and serotonin (5-HT1A) in their brain." Psychoneuroendocrinology 52C:212-228. doi: 10.1016/j.psyneuen.2014.11.016.

BOOKS

Chapter in book

1. Stylianopoulou, F., **Stamatakis, A.** (2017) Developmental Aspects of Memory Processes. In: Sara, S.J. (ed.), Mechanisms of Memory, Vol. 4 of Learning and Memory: A Comprehensive Reference, 2nd edition, Byrne, J.H. (ed.). pp. 403–413. Oxford: Academic Press. http://dx.doi.org/10.1016/B978-0-12-809324-5.21102-4 ISBN: 9780128051597…

ORGANIZATIONAL AND ADMINISTRATIVE ACTIVITIES

1. Director of the Biology-Biochemistry lab, Dept. of Nursing, National and Kapodistrian University of Athens, 2015-currently
2. Secretary General of the European Brain and Behaviour Society, 2014-currently

3. Member of the "Advanced School Sub-Committee", International Society for Neurochemistry, 2011-17
4. President of the Hellenic Society for Neuroscience, 2015-17
5. Secretary Genral of the Hellenic Society for Neuroscience, 2013-15
6. Member of the Executive Committee of the Hellenic Society for Neuroscience, 2007-13
7. Organizer of the 10th ISN Advanced School of Neurochemistry, Delphi, Greece, 2011- Local Organizer.
8. Organizer of the ISN School ISN in cooperation with FENS on Local protein synthesis in axons and dendrites, Kolymbari, Crete, Greece, 24-28 September 2013.
9. Organizer of the 27th Meeting of the Hellenic Society for Neuroscience, Athens, 2017.
10. Organizer of the EBBS, 1968-2018: Fifty Years in the Forefront of Neuroscience, Berlin, Germany, July 6th, 2018.
11. Member of the organizing committee of the 41st, 45th, 47th and 48th European Brain and Behaviour Society Meeting (2009, 2015, 2017 and 2019, respectively).

MEMBERSHIP IN SCIENTIFIC AND PROFESSIONAL ASSOCIATIONS

1. Hellenic Society for Nursing Studies
2. Hellenic Society for Neuroscience
3. European Brain and Behaviour Society
4. Federation of European Neuroscience Societies
5. International Society for Neurochemistry
6. European DANA Alliance for the Brain-permanent member

HONORARY AWARDS

1. Award for excellence in teaching in the Graduate Program of Molecular & Applied Physiology, Medical School, National and Kapodistrian University of Athens , 2018
2. "Alexandros Kalos" Award in the 19th Panhellenic Meeting of the Hellenic Society for the Study of Bone Metabolism, Ioannina, Greece, 2011.
3. "Patrizia Matteucci" Prize – PENS Blackwell Summer School 2007.
4. "Aristotelis" Award in the 1st International Congress on Brain and Behavior, Salonika, Greece, 2003.
5. Postdoctoral fellowship by the Academy of Athens.
6. Postdoctoral fellowship by Hellenic Scholarship Foundation.
7. Fellowship by the Levendis Foundation.