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Research Molecular and Cellular Bases of Behaviour

Keywords Early life stress; EDCs; Learning; memory; Emotions; Reward; Decision making; Prefrontal cortex; Amygdala; Hippocampus; Dopamine; Serotonin; Noradrenaline; Epigenetics; Sex differences; Animal models

Links Webpage: <http://scholar.uoa.gr/astam>

Biography

Antonios Stamatakis was born in Greece in 1971. He obtained his PhD in Biology (Neurobiology-Physiology) from Crete University, Greece, in 2000, and has been a faculty member in the National & Kapodistrian University of Athens (NKUA) since 2005. He is among the very few faculty members in Greece doing research on Behavioural Neuroscience and teaching Neuroscience at the undergraduate and graduate level. His scientific interests are in the field of the biological base of behaviour (using rodents as experimental animals), including epigenetic effects of early life experiences on neonatal and adult brain, with special emphasis on prefrontal cortex and amygdala structure and function. Moreover, he studies mechanisms of learning and memory, maternal behaviour, and sex differences in stress responses. He has employed a variety of experimental approaches ranging from neurochemistry, cellular and molecular biology, image analysis to a wide range of behavioural tasks for animals (rodents and birds). He has extensive teaching experience both at the undergraduate and graduate level as he has been teaching since 2005 classes such as Neurosciences, Biology of Behaviour, Psychoneuroendocrinology, Biology & Psychophysiology of Stress, Neurobiology of Learning & Memory, Cell Biology, Physiology. He has been member of the "Advanced School Sub-Committee" of the International Society for Neurochemistry since 2011. He has served as President of the Hellenic Society for Neuroscience (2015-2017). He was member of the Governing Council of FENS (2015-2017). He has served as Secretary General of the European Brain and Behaviour Society (EBBS) for two terms 2014-2016 and 2017-2020.