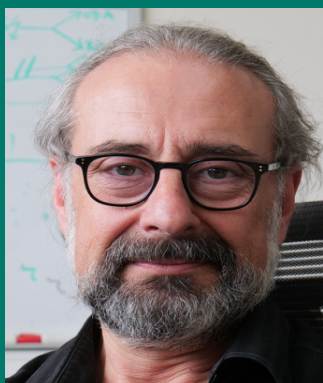




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Research Molecular Cognitive Biology/Neuronal Function and Dysfunction

Keywords Learning and memory; habituation; Schizophrenia, tauopathies, Animal models Efthimios M. C. Skoulakis is a molecular geneticist and behavioral neurobiologist dedicated to unraveling the molecular mechanisms underlying learning, memory, psychiatric and neurological conditions. With an academic foundation in biology and chemistry with a BSc from the University of Toledo (Ohio), he earned his Ph.D. i

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Scholar: <https://scholar.google.gr/citations?user=5TNEXFAAAAAJ&hl=en>
Webpage: <https://www.fleming.gr/research/ifbr/researchers/skoulakis-lab>

Biography

, Animal models Efthimios M. C. Skoulakis is a molecular geneticist and behavioral neurobiologist dedicated to unraveling the molecular mechanisms underlying learning, memory, psychiatric and neurological conditions. With an academic foundation in biology and chemistry with a BSc from the University of Toledo (Ohio), he earned his Ph.D. in Molecular Genetics from Ohio State University in 1990. He honed his expertise during postdoctoral research appointments at the prestigious Cold Spring Harbor Laboratory and Baylor College of Medicine, where he delved into molecular neurobiology and behavioral neuroscience, respectively. His professional journey includes a faculty position as Assistant Professor of Biology at Texas A&M University, where he contributed to advancing the field of behavioral genetics. Since 2002, he has been a Researcher at the Biomedical Sciences Research Centre "Alexander Fleming", where he currently holds the rank of Research Professor. His research has focused on using *Drosophila melanogaster* as a model organism to explore neuronal dysfunction, cognitive deficits, and the molecular basis of neurodegenerative diseases such as tauopathies, and learning and autistic syndromes such as Fragile X and neurofibromatosis type 1, as well as schizophrenia and psychiatric genetics. His innovative work has also extended to the emerging field of quantum biology, where he has investigated the role of molecular vibrations in olfactory perception. Publications from his lab have advanced understanding of neuronal function and dysfunction. He is an active member of the global neuroscience community contributing to the Society for Neuroscience, the Federation of European Neuroscience Societies, and the Hellenic Society for Neuroscience.