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Links PubMed: <https://pubmed.ncbi.nlm.nih.gov/?term=Gaitanou+M&sort=date>
Webpage: <https://www.pasteur.gr/en/maria-gaitanou-group>

Biography

Dr. Maria Gaitanou received her BSc in Biology from the National Kapodistrian University of Athens, Greece and her PhD in Molecular Neurobiology from the same Department. Then she worked as post-doctoral researcher in the Hellenic Pasteur Institute. For six years, she worked as Lecturer at the Department of Molecular Biology and Genetics, Democritus University of Thrace, Greece. She performed several studies in neural stem cells biology, focus on molecular mechanisms that coordinate cell cycle exit and neuronal differentiation. Nowadays she is Associate Researcher in the Department of Neurobiology at Hellenic Pasteur Institute. Her research interests are focused on the molecular mechanisms involved in the development and proper functioning of CNS and in its disorders. Especially, she studies mechanisms controlling cell cycle progression/exit and differentiation of neural stem cells, as well as signaling pathways that control motor neuron development in health and disease, and neurodegeneration mechanisms, with emphasis to Dyrk I kinases family. She focuses in the development of novel therapeutics, using Crispr/Cas9 technology, small molecules and miRNAs combined to nanoparticle delivery systems, as novel combinatorial therapeutic approaches for the treatment of neurodegenerative diseases.