



Margarita Chrysanthou- Piterou

Biologist, Ph.D. Laboratory Teaching Staff

Research Unit of Neurobiology, Histochemistry and Electron Microscopy, 1st Department of Psychiatry, Medical School, National and Kapodistrian University of Athens

E-mail margarita.chrysanthou@gmail.com

Telephone 210-7289237

Research Human catecholamine neurons in neurological and psychiatric disorders Chromatin ultrastructural alterations and histone modifications in peripheral blood leukocytes of patients with psychiatric disorders The effect of perinatal hypoxia on the catecholaminergic systems of the human brain The ultrastructural characteristics in autophagic vacuolar myopathies

Keywords Electron microscopy, human brain, catecholamine neurons, perinatal hypoxia, chromatin structure, histone modifications, autophagic vacuolar myopathies Margarita Chrysanthou- Piterou received B.Sc in Biology from the Department of Biology of the National and Kapodistrian University of Athens and her Ph.D. from the same Department, in collaboration with the Research Unit of Histochemistry and Elect

Links PubMed: <https://pubmed.ncbi.nlm.nih.gov/?term=Chrysanthou-Piterou%20M>
Scholar: https://scholar.google.com/scholar?q=%22Chrysanthou-Piterou+M%22&hl=el&as_sdt=0,5

Biography

Margarita Chrysanthou- Piterou received B.Sc in Biology from the Department of Biology of the National and Kapodistrian University of Athens and her Ph.D. from the same Department, in collaboration with the Research Unit of Histochemistry and Electron Microscopy, 1st Department of Psychiatry, Medical School (Supervisor: Prof. M. R. Issidorides). Afterwards, she worked in the same department as a scientific associate while continuing her post-graduate training with courses in Neurophysiology (HSFN), Neuropsychopharmacology (HSFN), Immunocytochemistry (Royal Microscopical Society, RMS); Immunofluorescence (RMS), Ultrastructural Immunocytochemistry (RMS), Cell Biology and Histochemistry (RMS). In 2016, she joined the Laboratory Teaching Staff of the Medical School of the National and Kapodistrian University of Athens and she has contributed to the education of medical students at both undergraduate and postgraduate level. Margarita' s laboratory experimental skills are: Tissue Processing for Light Microscopy: Embedding, Sectioning (Microtome-Cryostat-Vibratome), Histochemical, Immunohistochemical and immunofluorescent techniques for brightfield and fluorescent microscope, Histochemical methods for Transmission Electron Microscopy and Immunohistochemical methods for Transmission Electron Microscopy (pre/post embedding methods – single and double colloidal gold labeling techniques – negative staining). She continues her research activity mainly in the study of human catecholamine neurons under the effect of perinatal hypoxia/ischemia and its contribution to the etiopathology of neuropsychiatric disorders later in life. In collaboration with the Myopathy Unit of the 1 st Department of Neurology at Eginition Hospital and the Department of Histology and Embryology, Medical School, National and Kapodistrian University of Athens, she participates in the study of the ultrastructural characteristics in autophagic vacuolar myopathies.