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Education

Year

1988 BS in Pharmacy

1992 PhD in Pharmacology

1993-2001 Postdoctoral Fellow

Research Interests

- Preclinical Modeling of CNS disorders such as depression, psychosis, and drugs of abuse.
- Pharmacological evaluation (screening) of drugs/substances with CNS activity.
- Mechanisms underlying the behavioral and neurobiological effects of psychotropics such as d-amphetamine, cocaine, caffeine and cannabinoids.
- Definition of specific phenotypes which characterized by certain behavioral outcomes and accompanied by respective neurobiological indices.
- Clinical Studies: Investigation of neurobiological indices in first psychotic episode and depression adjusted for temperamental personality traits.

Preclinical approach is coupled with clinical studies aiming to shed more light in our understanding of the relationship between personality traits and the neurobiology of mental illness focusing on patients with a first psychotic episode and depression.

Funding

Total grants **as Principal Investigator: 6**

Total grants **as Collaborator :11**

(Research Account Ioannina, Ministry of Health, Ministry of Education and Research, GSRT-EU)

Recent Publications or Selected Publications

1. **Katerina Antoniou**, Alexia Polissidi, Foteini Delis, Nafsika Poulia. In Vivo Neuropharmacology and Neurophysiology, The Impact of Cannabinoids on Motor Activity and Neurochemical Correlates. October, 2016. Springer Protocols (Book chapter).
2. Gueye AB, Pryslawsky Y, Trigo JM, Poulia N, Delis F, **Antoniou K**, Loureiro M, Laviolette SR, Vemuri K, Makriyannis A, Le Foll B. The CB1 Neutral Antagonist AM4113 Retains the Therapeutic Efficacy of the Inverse Agonist Rimonabant for Nicotine Dependence and Weight Loss with Better Psychiatric Tolerability. *Int J Neuropsychopharmacol*. 2016; 2016; 30; 19(12).
3. Delis F, Polissidis A, Poulia N, Justinova Z, Nomikos GG, Goldberg SR, **Antoniou K**. Attenuation of Cocaine-Induced Conditioned Place Preference and Motor Activity via Cannabinoid CB2 Receptor Agonism and CB1 Receptor Antagonism in Rats. *Int J Neuropsychopharmacol*. 2016 Dec 19, DOI: <https://doi.org/10.1093/ijnp/pyw102>.
4. Kafetzopoulos V, Kokras N, Sotiropoulos I, Oliveira JF, Leite-Almeida H, Vasalou A, Sardinha VM, Papadopoulou-Daifoti Z, Almeida OF, **Antoniou K**, Sousa N, Dalla C. The nucleus reuniens: a key node in the neurocircuitry of stress and depression. *Mol Psychiatry*. 2017, doi: 10.1038/mp.2017.55.
5. Delis F, Poulia N, Bozidis P, Sotiropoulou M, Paika V, Ntountoulaki E, Papaioannou D, Guthrie E, Carvalho A, **Antoniou K**, Hyphantis T. The impact of the burden of chronic illness upon depression is influenced by a polymorphism in the serotonin transporter gene. *Journal of Psychosomatic Research*. 2017; 97:144-145.

