



Zisis Bimpisidis, PhD

Researcher

Evolutionary Biology Center /

Institute of Organismal Biology / Uppsala University

Email: zisis.bimpisidis@ebc.uu.se

zisis_bbcd@hotmail.com

<https://www.linkedin.com/in/zisis-bimpisidis-a452926b/>

Education

Year

2002-2006 BSc in Psychology, University of Crete, Rethymnon, Greece

2006-2008 MSc in Neuroscience, University of Crete, Heraklion, Greece

2009-2012 PhD in Toxicology, University Cagliari, Cagliari, Italy

2012-2015 Postdoctoral Fellow, Lund University, Lund, Sweden

2012-present Postdoctoral Researcher, Uppsala University, Uppsala, Sweden

Research Interests

I am interested in exploring the heterogeneity of the midbrain dopamine system and unravel its role in behavior and in neurological and neuropsychiatric disease. Currently, I am focusing on neuronal subpopulations of the Ventral Tegmental Area and their target areas, and by using animal models combined with optogenetics, pharmacology, behavioral and histological analysis I am trying to answer questions regarding the neurobiological basis of reward-related behavior, both under normal conditions and in neurological and neuropsychiatric disease.

Selected Publications

1. [Bimpisidis, Z.](#), König, N., Stagkourakis, S., Zell, V., Vlcek, B., Dumas, S., Giros, B., Broberger, C., Hnasko, T.S., & Wallén-Mackenzie, Å. (2019). The NeuroD6 subtype of VTA neurons contributes to psychostimulant sensitization and behavioral reinforcement. *eNeuro*, 6. doi: 10.1523/ENEURO.0066-19.2019.
2. [Bimpisidis, Z.*](#), Öberg, C.M., Maslava, N., Cenci, M.A.*, & Lundblad, C. (2017). Differential effects of gaseous versus injectable anesthetics on changes in regional cerebral blood flow and metabolism induced by L-DOPA in a rat model of Parkinson's disease. *Experimental Neurology*, 292:113-124.*corresponding authors
3. Viereckel, T., Dumas, S., Smith-Anttila, C., Vlcek, B., [Bimpisidis, Z.](#), Lagerstrom, M.C., Konradsson-Geuken, A., & Wallén-Mackenzie, A. (2016). Midbrain gene screening identifies a new mesoaccumbal glutamatergic pathway and a marker for dopamine cell neuroprotection in Parkinson's Disease. *Scientific Reports*, 6:35203. DOI: 10.1038/srep35203.
4. De Luca, M.A., [Bimpisidis, Z.](#), Melis, M., Marti, M., Caboni, P., Valentini, V., Margiani, G., Pintori, N., Polis, I., Marsicano, G., Parsons, L.H., & Di Chiara, G. (2015). Stimulation of *in vivo* dopamine transmission and intravenous self-administration in rats and mice by JWH-018, a spice cannabinoid. *Neuropharmacology*, 99: 705-714.
5. [Bimpisidis, Z.](#), De Luca, M.A., Pisanu, A., Di Chiara, G. (2012). Lesion of medial prefrontal dopamine terminals abolishes habituation of accumbens shell dopamine responsiveness to taste stimuli. *European Journal of Neuroscience*, 37: 613-622.

