



### **Ioannis Charalampopoulos, PhD**

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### **Education**

1996 BS in Biology, University of Patras

2000 MA in Neuroscience, University of Crete

2004 PhD in Neuropharmacology, School of Medicine, University of Crete

2007 Postdoctoral Fellow at Karolinska Institute

### **Research Interests**

We are focusing our research interests on the investigation of the molecular mechanisms that neurotrophic factors and their receptors are using to regulate the regenerative capacity of the adult nervous system. Neurotrophins, control brain development and maintenance during adulthood and in aging, while they importantly participate in neuronal survival, differentiation and repair. Our studies are ranging from neurotrophin receptors' signaling to adult hippocampal neurogenesis to development of novel ligands with specific effects on these receptors (mainly the Trks and p75<sup>NTR</sup> receptors) and their therapeutic potential on animal models of neurodegenerative diseases (Alzheimer's Disease).

### **Funding**

European Commission, Marie Skłodowska Curie Actions - Innovative Training Networks (ITN). Call: H2020-MSCA-ITN-2017, National Funding: Call for Operational Programme 'Competitiveness, Entrepreneurship and Innovation' (GSRT). Grants from Niarchos and Bodossakis Foundations

### **Selected Publications**

Pediaditakis I, Kourgiantaki A, Prousis KC, Potamitis C, Xanthopoulos KP, Zervou M, Calogeropoulou T, #Charalampopoulos I, Gravanis A. *Front Pharmacol.* 2016. 7:512.

Pediaditakis I, Efstathopoulos P, Prousis KC, Zervou M, Arévalo JC, Alexaki VI, Nikolettou V, Karagianni E, Potamitis C, Tavernarakis N, Chavakis T, Margioris AN, Venihaki M, Calogeropoulou T, #Charalampopoulos I, Gravanis A. *Neuropharmacology.* 2016. 111:266-282.

Efstathopoulos P, Kourgiantaki A, Karali K, Sidiropoulou K, Margioris AN, Gravanis A, #Charalampopoulos I. *Transl Psychiatry.* 2015. 5:e685

Charalampopoulos I, Vicario A, Pediaditakis I, Gravanis A, Simi A, Ibáñez CF. *Cell Rep.* 2012.2(6):1563-70.

Vilar M\*, Charalampopoulos I\*, Kenchappa RS\*, Simi A\*, Karaca E, Reversi A, Choi S, Bothwell M, Mingarro I, Friedman W, Schiavo G, Bastiaens P, Vermeer P, Carter BD, Ibáñez CF. *Neuron*, 2009, 62(1): 72-83 (\* equal contributors)  
(# Corresponding author).