

Dr. Beatrice D'Orsi is a young research scientist at Neuroscience Institute, National Research Council (CNR), Pisa, Italy.

Dr. D'Orsi is Author/co-author of 14 peer reviewed publications in prestigious scientific journals. According to Google scholar, H-index is 11, with 438 total citations.



EXPERIENCE AND TRAINING

Present-2020 Research Scientist, Neuroscience Institute, National Research Council (CNR), Pisa, Italy

2020–2017 Senior Post-doc Researcher, University of Padua, Padua, Italy

2017-2013 Post-doc Researcher, Royal College of Surgeons in Ireland, Dublin, Ireland

2013–2012 Post-doc Researcher, Memorial Sloan-Kettering Cancer Center, New York, USA

2012 Post-doc Researcher, Royal College of Surgeons in Ireland, Dublin, Ireland

2012 Ph.D. in Neuroscience, Royal College of Surgeons in Ireland, Dublin, Ireland

2008 Degree in Biomolecular Sciences and Technologies, University of Pisa, Italy

HONOURS AND MEMBERSHIPS

Present-2017 Guest Editor for Translational Neuroscience

Present-2016 Reviewer Editor for Frontiers in Genetics, Multidisciplinary Digital Publishing Institute (MDPI) Journals, Journal of Molecular Sciences, Translational Neuroscience and PLOS ONE

2019 IBRO World Congress Travel Grant Award

2019 and 2018 Brain Awareness Week Partner

2019 and 2018 Scientific organiser of the Brain Awareness Week, Padua, Italy

2018 Society of Neuroscience Trainee Professional Development Award

2018 IBRO International Travel Grant Award

2018 Within the best 10 applicants for L'Oreal Italia Women in Science 2017-2018

2018-2010 Member of Society of Neuroscience

2018-2017 Member of Graduate Women in Science

2016 Member of Neuroscience Ireland

2015 IBRO Young Investigator Travel Program Award

2012 Best poster presentation, Neurons under stress 2012, Dublin, Ireland

FINANCIAL SUPPORT OF ONGOING RESEARCH PROJECTS

- Participating unit: Mitochondrial Ca²⁺ uptake in the pathogenesis of familial Alzheimer's disease, Grant Telethon 2016

SELECTED PUBLICATIONS

1. D'Orsi B, Niewidok N, Düssmann H, Prehn JHM. Mitochondrial Carrier Homolog 2 Functionally Co-operates With BH3 Interacting-Domain Death Agonist in Promoting Ca²⁺-Induced Neuronal Injury. *Front Cell Dev Biol.* 2021
2. Cieri D, Vicario M, Vallese F, D'Orsi B, Berto P, Grinzato A, Catoni C, De Stefani D, Rizzuto R, Brini M, Cali T. Tau localises within mitochondrial sub-compartments and its caspase cleavage affects ER-mitochondria interactions and cellular Ca²⁺ handling. *Biochim Biophys Acta.* 2018
3. Carberry S*, D'Orsi B*, Monsefi N, Bacon O, Fay J, Rehm M, McNamara D, Kay E, Salvucci M, Prehn JH. The Bax/Bak-like protein Bok is a prognostic marker in colorectal cancer. *Cell Death Dis.* 2018 * indicates co-first authorship.
4. D'Orsi B, Mateyka J, Prehn JH. Control of mitochondrial physiology and cell death by the Bcl-2 family proteins Bax and Bok. *Neurochem Int.* 2017
5. D'Orsi B, Engel T, Pfeiffer S, Nandi S, Kaufmann T, Henshall DC, Prehn JH. Bok Is Not Pro-Apoptotic But Suppresses Poly ADP-Ribose Polymerase-Dependent Cell Death Pathways and Protects against Excitotoxic and Seizure-Induced Neuronal Injury. *J Neurosci.* 2016

6. Connolly NM, D'Orsi B, Monsefi N, Huber HJ, Prehn JH. Computational Analysis of AMPK-Mediated Neuroprotection Suggests Acute Excitotoxic Bioenergetics and Glucose Dynamics Are Regulated by a Minimal Set of Critical Reactions. *PLoS One*. 2016
7. Martin NA, Bonner H, Elkjær ML, D'Orsi B, Chen G, König HG, Svensson M, Deierborg T, Pfeiffer S, Prehn JH, Lambertsen KL. BID Mediates Oxygen-Glucose Deprivation-Induced Neuronal Injury in Organotypic Hippocampal Slice Cultures and Modulates Tissue Inflammation in a Transient Focal Cerebral Ischemia Model without Changing Lesion Volume. *Front Cell Neurosci*. 2016
8. D'Orsi B, Kilbride SM, Chen G, Perez Alvarez S, Bonner HP, Pfeiffer S, Plesnila N, Engel T, Henshall DC, Düssmann H, Prehn JH. Bax regulates neuronal Ca²⁺ homeostasis. *J Neurosci*. 2015
9. Andreazzoli M, Gestri G, Landi E, D'Orsi B, Barilari M, Iervolino A, Vitiello M, Wilson SW, Dente L. Kidins220/ARMS interacts with Pdzn3, a protein containing multiple binding domains. *Biochimie*. 2012
10. D'Orsi B, Bonner H, Tuffly LP, Düssmann H, Woods I, Courtney MJ, Ward MW, Prehn JH. Calpains Are Downstream Effectors of bax-Dependent Excitotoxic Apoptosis. *J Neurosci*. 2012