Agnese De Mario

Education & position

2011	Master degree in Pharmacy, Univ. of Padova (Italy)
2011	Fellowship at Venetian Institute of Molecular Medicine, Padova (Italy)
2015	PhD in Biochemistry and Biophysics, Univ. of Padova (Italy)
2015-present	Post-doctoral Fellow, Dept. of Biomedical Sciences, Padova (Italy)

Pubblications

De Mario A, Castellani A, Peggion C, Viviani F, Massimino ML, Giacomello M, Bertoli A, Sorgato MC. (2016) The prion protein regulates multiple glutamate-mediated Ca2+ entry and mitochondrial Ca2+ accumulation in neurons. J. Cell Sci (*under revision*)

Norante RP, Massimino ML, Lorenzon P, De Mario A, Albiero M, Sorgato MC, Lopreiato R, Bertoli A. (2016) Generation and validation of novel adeno-associated viral vectors for the analysis of Ca(2+) homeostasis in motor neurons. Submitted to Scientific reports (*under revision*)

Toni M, Massimino ML, De Mario A, Angiulli E, Spisni E. (2017) Metal dyshomeostasis and their pathological role in prion diseases: the basis for a nutritional approach. Front Neurosci. doi: 10.3389/fnins.2017.00003. eCollection 2017

De Mario A, Quintana-Cabrera R, Martinvalet D, Giacomello M. (2016) (Neuro)degenerated Mitochondria-ER contacts. Biochem Biophys Res Commun. doi: 10.1016/j.bbrc.2016.07.056

De Mario A, Scarlatti C, Costiniti V, Primerano S, Lopreiato R, Calì T, Brini M, Giacomello M, Carafoli E. (2016) Calcium handling by endoplasmic reticulum and mitochondria in a cell model of Huntington's disease. PLOS Curr 8 pii: ecurrents.hd.37fcb1c9a27503dc845594ee4a7316c3

De Mario A, Castellani A, Peggion C, Massimino ML, Lim D, Hill AF, Sorgato MC, Bertoli A. (2015) The prion protein constitutively controls neuronal store-operated Ca(2+) entry through Fyn kinase. Front Cell Neurosci 9: 416

Kaludercic N, Carpi A, Nagayama T, Sivakumaran V, Zhu G, Lai EW, Bedja D, De Mario A, Chen K, Gabrielson KL, Lindsey ML, Pacak K, Takimoto E, Shih JC, Kass DA, Di Lisa F, Paolocci N.

(2014) Monoamine oxidase B prompts mitochondrial and cardiac dysfunction in pressure overloaded hearts. Antioxid Redox Signal 10; 20: 267-80

Giacomello M, De Mario A, Scarlatti C, Primerano S, Carafoli E. (2013) Plasma membrane calcium ATPases and related disorders. Int J Biochem Cell Biol. Mar; 45: 753-62

Giacomello M, De Mario A, Primerano S, Brini M, Carafoli E. (2012) Hair cells, plasma membrane Ca^{2+} ATPase and deafness. Int J Biochem Cell Biol. 44: 679-83

Marullo M, Valenza M, Leoni V, Caccia C, Scarlatti C, De Mario A, Zuccato C, Di Donato S, Carafoli E, Cattaneo E. (2012) Pitfalls in the detection of cholesterol in Huntington's disease models. PLoS Curr. 4:e505886e9a1968

Giacomello M, De Mario A, Lopreiato R, Primerano S, Campeol M, Brini M, Carafoli E. (2011) Mutations in PMCA2 and hereditary deafness: a molecular analysis of the pump defect. Cell Calcium 50: 569-76

Invited talks

2015 Annual CNR Institute of Neuroscience retreat, Pisa (Italy) "Prion protein-dependent dysregulation of Ca2+ homeostasis by AD-related soluble oligomers"

2014 European Meeting of Neuroscience, Grenoble (France) "Cellular Prion Protein in Neurodegenerative Disorders"

2013 FEBS congress, St Petersburg (Russia) "The Role of the Cellular Prion Protein in Neurodegenerative Disorders"

2012 VIMM annual retreat, Marostica (Italy) "Calcium Homeostasis and Mitochondrial Dysfunction in Huntington's neurons"

Meeting abstracts

De Mario A, Massimino ML, Bertoli A, Bianchimani C, Norante RP, Sorgato M.C. Prion protein-dependent mitochondrial dysfunction and Ca2+ dysomeostasis of AD-related soluble oligomers. FENS congress, Copenaghen (DK), 2016

De Mario A, Peggion C, Bertoli A, Massimino ML, Sorgato MC. The Role of the Cellular Prion Protein in Neurodegenerative Disorders. FEBS congress, St Petersburg (Russia), 2013

De Mario A, Scarlatti C, Giacomello M, Primerano S, Carafoli E. Calcium dyshomeostasis and mitochondrial stress in Huntington's neurons: non transcriptional effects of Huntingtin fragments. International Symposium on "Biology and translational aspects of Neurodegeneration, Venice (Italy), 2012

Kaludercic N, De Mario A, Paolocci N, Di Lisa F. Oxidative stress and aldehyde generation by monoamine oxidase cause mitochondrial dysfunction in cardiac myocytes. The XXX annual Meeting of the European Section of the International Society of Heart Research, Haifa (Israel), 2011

Kaludercic N, De Mario A, Paolocci N, Di Lisa F. Monoamine oxidase activity promotes oxidative stress and cell death in cardiomyocytes exposed to high glucose. Experimental biology meeting, Washington D.C. (USA), 2011