



DEPARTMENT DI BIOMEDICAL SCIENCES
PhD Program in Biomedical Sciences
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UNIVERSITÀ
DEGLI STUDI
DI PADOVA

PhD Program in BIOMEDICAL SCIENCES

PROGRESS REPORT –XXXII-XXXIII-XXXIV cycle

Academical year 2018/19

Vallisneri Building, September 4-5, 2019

Wednesday, September 4th 2019, Aula Magna Vallisneri

9:00	Gaia Butera	Mitochondrial adaptation in parvalbumin knockout muscle fibers
9:30	Antonella Falconieri	Insights into non canonical pVHL functions
10:00	Chiara Galber	Role of F-ATP synthase f subunit in dimer formation and PTP modulation
10:30	András Hatos	Functional annotation of Intrinsically Disordered Proteins
11:00	Claudio Laquatra	Unrevealing the pathophysiological role of the mitochondrial chaperone TRAP1
11:30	Federica Quaglia	Computational analysis of the von Hippel-Lindau (VHL) tumor suppressor
12:00	Elena Scremin	The Orai2 subunit of store-operated calcium channels: a possible therapeutic target for calcium dysregulation in Alzheimer's Disease
12:30	Caterina Tezze	OPA1 orchestrates precocious senescence, degeneration of multiple organs and premature death through inflammation and metabolic changes
13:00	Carmen Troiano	Relationship between mitochondrial ROS formation and autophagy in diabetic cardiomyopathy
13:30	Break	
14:30	Nicola Vajente	Impact of ER morphological alterations on Ca ²⁺ homeostasis: looking for a common pathway in hereditary axonopathies
15:00	Caterina Marchioretta	Polyglutamine-expanded androgen receptor alters excitation-contraction coupling machinery and calcium dynamics
15:30	Federica Lia	Study of post-translational modifications of nuclear hormone receptor: a phospho switch for androgen signalling
15:50	Alessandro Grinzato	Cryo-EM atomic structure of Potato Virus X
16:20	Vanessa Jorge Henriques	Reciprocal Signaling Between Specific GABAergic Interneurons and Astrocytes
16:50	Cristina Liboni	Mesenchymal Stromal cells in the pathophysiology of arrhythmogenic cardiomyopathy
17:20	Mislav Majnarić	Neuron-glia interactions in neurovascular coupling



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17:50	Andrea Carrer	Electrophysiological characterization of channels formed by F-ATP synthases
18:20	End of session	

Thursday, September 5th 2019, Aula Magna Vallisneri

9:00	Elisabetta Marcuzzi	Exploiting MSC-derived extracellular vesicles to control pathological angiogenesis
9:30	Elena Monti	Neuromuscular plasticity in loading, unloading and aging: use of parabolic flight as a model of acute unloading in humans
10:00	Maro Stazi	Melatonin promotes regeneration of injured motor axons
10:30	Anna Stocco	Cyclophilins and Duchenne muscular dystrophy
11:00	Federica Tonolo	Studies of antioxidant and pro-oxidant molecules in cell signaling through thiol redox regulation
11:30	Lucia Barazzuol	Zebrafish as a model organism for in vivo characterization of Presenilin2 function and inter-organelle contact sites
11:50	Cristina Calderan	Development of experimental models for the validation of pathogenic mutations associated with human diseases
12:10	Giorgia D'Este	Urocortin 2 promotes functional recovery of degenerated nerve terminals
12:30	Ana Georgia Dumitras	The regulation of protein synthesis and muscle plasticity
12:50	Rosa Chiara Goisis	GABA tonic inhibition and astrocytes as key targets in DS
13:20	Break	
14:30	Stefania Lionello	Mitochondrial Entry of Cytotoxic Proteases (MECP): implication in cell death
14:50	Chiara Mazzola	Mitochondrial calcium signaling in astrocytes
15:10	Sofia Parrasia	Natural compounds and derivatives in health and pathology
15:30	Martina Scano	Novel therapeutic approaches for sarcoglycanopathies: in vitro and in vivo studies
15:50	Davide Steffan	Identification of a novel TFEB and exercise dependent gene
16:10	End of session	
16:30	Faculty council	