



PhD Program in BIOMEDICAL SCIENCES

PROGRESS REPORT – XXX-XXXI-XXXII cycle –

Academical year 2016/17

Vallisneri Building, September 4-6 2017

Monday, September 4th 2017, Aula Magna

9:00	Giulia Rigotto	Study of mitochondria physiology in transgenic mouse models of Alzheimer's Disease
9:30	Alice Rossi	Effects of presenilin 2 mutations associated with familial Alzheimer's disease on mitochondrial functionalities
10:00	Salvatore Antonucci	Beneficial and detrimental consequences of a primary increase in mitochondrial ROS formation on mitochondrial function, intracellular Ca ²⁺ homeostasis and cell viability
10:30	Linda Maria Requeie	Astrocyte modulation of synaptic transmission in the reward circuitry of the Ventral Tegmental Area
11:00	Marco Carraro	Development of bioinformatics tools to predict disease predisposition from Next Generation Sequencing (NGS) data
11:30	Giulia Di Marco	The role of mitoKATP in skeletal muscle
12:00	Simona Feno	Physiopathological characterization of the role of MCUb in skeletal muscle regeneration
12:30	Alessandra Gasparini	From high-throughput analysis of genetic variants to the experimental validation of putative protein function
13:00	Break	

14:00	Alessandra Mara Geffner Smith	Serum-dependent mechanisms (protein corona, complement, and coagulation cascade) influencing the uptake of NPs (silica and gold) with different superficial chemical-physical features (nature of polymeric coats, electric charge), taking into account inter species (humans, pigs, and mice) peculiarities
14:30	Valentina Prando	Neuroeffector coupling in the heart: determinants of function and survival of cardiac sympathetic neurons
15:00	Antonio Campo	Role and regulation of the mitochondrial calcium uniporter (MCU) in cardiac adaptation to stresses
15:30	Roberta Angioni	Targeting angiogenesis with msc-derived extracellular vesicles: a novel therapeutic strategy
16:00	Martina Baraldo	The role of Raptor in adult skeletal muscle and in muscle hypertrophy
16:30	Giulia Zanetti	The double face of Presynaptic Neurotoxins
17:00	End of session	

**Tuesday, September 5th 2017, Aula Magna**

9:00	Marco Pizzi	The role of histology in the study of tumor cell metabolism: TRAP1 in human tumors
9:30	Raissa Bortolotto	Dissection of the pVHL interactome
10:00	Giovanna Crivellaro	Mechanisms underlying increased susceptibility to cortical spreading depression in a mouse model of familial hemiplegic migraine type 2
10:30	Simona Francia	Identification of a ligand of the odorant receptor at the axon terminal of olfactory sensory neurons
11:00	Anais Franco Romero	Identification of a novel FoxO-dependent regulator of muscle mass
11:30	Anna Maria Lia	Exploring the role of astrocyte Ca ²⁺ signaling in Alzheimer's disease
12:00	Elisa Lidron	MCU knock-down impairs skeletal muscle and motor neuron development in zebrafish embryos
12:30	Lishu Guo	Regulation of the Mitochondrial Permeability Transition Pore by Matrix Ca ²⁺ and Arginine Residues of F-ATP Synthase
13.00	Break	

14:00	Vanessa Arato	Characterization of the virulence factors CD2831 and CD3246 of Clostridium difficile involved in colonization of the intestinal mucosa
14:30	Andrea Maset	OPHN1 regulates the migration of newly generated cells in the olfactory system
15.00	Lisanna Paladin	Non-globular proteins: unraveling the phenomenon
15.30	Valeria Scalcon	Thioredoxin system and thiol redox regulation
16.00	Michela Soardi	Zebrafish: a model for the study of sarcoglycanopathies
16.30	End of session	

Wednesday, September 6th 2017, Aula Magna

9:00	Gaia Butera	Molecular mechanisms of the regulation of mitochondrial calcium uptake in skeletal muscle
9:30	Antonella Falconieri	Interplay between the VHL and p53 oncosuppressor pathways
10:00	Chiara Galber	Mechanisms of channel formation from the F-ATP synthase



10:30	Giacomo Goldoni	Mitochondrial dynamics in the modulation of macrophage biology
11:00	Andr�s Hatos	Large-scale bioinformatics analysis of non-globular proteins
11:30	Claudio Laquatra	Zebrafish (Danio rerio) as a model to study the tumorigenic role of the mitochondrial chaperone TRAP1
12:00	Elena Scremin	Calcium homeostasis in familial Alzheimer's disease mouse models based on mutant presenilin-2 and amyloid precursor protein: focus on the store-operated calcium channel subunit Orai2
12:30	Caterina Tezze	OPA1 deficiency promotes secretion of FGF21 from skeletal muscle that Impacts on Muscle Mass, Metabolic Homeostasis, Systemic Inflammation and Epithelial Senescence
13.00	End of session	

14:00	Carmen Troiano	Relationship between mitochondrial ROS formation and opening of the permeability transition pore in cardiac mitochondria
14:30	Nicola Vajente	Looking for a common pathway in hereditary axonopathies: role of ER shaping proteins on cellular Ca ²⁺ homeostasis
15.00	End of session	

Thursday, September 7th 2017, room A ground floor

14:00	Faculty Council	
--------------	------------------------	--