

Villa Borromeo, Rubano (PD)

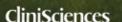
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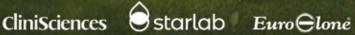
26-27 ottobre 2023

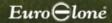




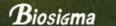
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SARTURIUS



26/10

Welcome from the former director Marco Sandri

TALKs! New faces at the DSB

VIDEO CONTEST! PhD and Postdocs

TALKs! CNR Researchers

TALKs! DSB groups

DSB IN THE CITY
Selected short talks
ROUND TABLE
NUTRIZIONE E MOVIMENTO
Live @YouTube

DSB APERITIF

27/10

TALKs! DSB groups

KEYNOTE LECTURE

Silvia G. Priori

TALK! Third Mission

POSTER SESSION and beer

POSTER and DSB IN THE CITY **AWARDS**

Concluding remarks from the new director Prof. Rosario Rizzuto

THURSDAY

26/10

9:30 - 10:00

Welcome from the former Director - MARCO SANDRI

First Session

New faces at the DSB

Chair:

Paloma Garcia Casas

10:00

The mitochondrial sites of contact with the nucleus

Michelangelo Campanella

Mitochondrial Cell Biology and Pharmacology lab

10:20

What genetic variations tell us: the case of

neurodevelopmental disorders

Emanuela Leonardi BioComputing UP lab

10:40

Impact of perinatal and adult stroke on brain network and

function

Gabriele Deidda

Neuron-glia signaling in brain function and dysfunction lab

Contest

click here to vote

11:00

"DSB IN THE CITY AWARD" CONTEST

PhD students (4 x 3' videos for scientific divulgation)



11:20

Coffee break & Poster View

Second Session

New faces at the DSB

Chair: Alex Rizzato

11:50

Human neuromuscular plasticity studied in vivo by HD-EMG

Giuseppe De Vito

Muscle Contractility And Neuromuscular Plasticity lab

12:10

Structural rather than catalytic role for mitochondrial

respiratory chain supercomplexes

Erika Fernandez-Vizarra Mitochondrial medicine lab

Contest

click here to vote

12:30

"DSB IN THE CITY AWARD" CONTEST

Post-doc researchers (4 x 3' videos for scientific divulgation)



12:50Lunch

THURSDAY

Third Session

CNR Researchers

Chair: Jacopo Agrimi

26/10

14:10

Function and dysfunction of brain neuronal circuits

Claudia Lodovichi

Circuit formation and function in the brain lab

14:30

Dynamic chemogenetic reporters to decipher membrane contacts

Riccardo Filadi

Ca2+ and cAMP signaling in physiology and pathology lab

14:50

Seeking for metabolic opportunities in peripheral nerve tumors associated to Neurofibromatosis type 1

Ionica Masgras

Mitochondria in Cell Death and Cancer lab



15:10

Coffee break & Poster View

Fourth Session DSB groups

Chair: Caterina Marchioretti

15:40

Mechanisms of initiation of cortical spreading depression, the earliest measurable feature of the migraine attack

Daniela Pietrobon

Migraine Pathophysiology lab

16:00

Myc and mitochondria: is it all plain sailing?

Gyorgy Szabadkai

Regulation of the Mitochondrial Proteome lab

16:20

Arrhythmogenic cardiomyopathy: a sniper attacking the heart from multiple sides.

Tania Zaglia

Autonomic Control of Cardiac Function lab



16:40Fast Break

Fifth Session
Live streaming
@YouTube DSB

Moderator: Anna De Roberto

17:10

Young DSB members - Scientific divulgation (7' selected talks / 2 PhD students + 2 Post-doc researchers)

17:45

ROUND TABLE "NUTRIZIONE E MOVIMENTO"



19:00 Aperitif **FRIDAY**

First Session **DSB groups**

Chair: Davide Steffan

27/10

9:30

Targeting mitochondria to dampen inflammatory responses

Antonella Viola

Inflammation and Immunity lab

9:50

Fam20C, the (neglected) master kinase of the cell secretory pathway

Mauro Salvi

Phosphorylation Signaling in Health and Disease lab

10:10

Toxic affairs at the neuromuscular junction: degeneration, regeneration and remodelling

Ornella Rossetto

Neuroparalysis and Neuroregeneration lab



10:30

Coffee break & Poster View

Second Session

DSB groups

Chair: Laura Fusco

11:00

Monitoring organelle contact sites dynamics in vitro and in vivo

Tito Calì

Protein crystallography and cryoEM lab

11:20

Diving and hyperbaric medicine: oxinflammation at depth

Gerardo Bosco

Nutrition and Exercise Lab (NUTEXIab) lab

11:40

Muscle atrophy, the costamere and the molecular chaperones Grp94 and melusin

Luisa Gorza

Chaperones in Muscle Differentiation and Disease lab



12:00 *Lunch*

Keynote lecture

Chair: Rosario Rizzuto

13.20

The fascinating journey of gene therapy for the heart

Silvia G. Priori

Third Session **DSB groups**

Chair: Samuele Negro

14:20

Mitochondrial calcium signalling in skeletal muscle

Cristina Mammucari

Mitochondrial Calcium Signaling lab

FRIDAY

27/10

14:40

MicroRNAs in HTLV-1 infection and T-cell transformation

Donna Mia D'Agostino

Post-transcriptional gene regulation in cancer cells lab

15:00

40 years of inositol 1,4,5-trisphoshate in skeletal muscle: dreams and facts

Pompeo Volpe

Pathophysiology of Striated Muscles lab

Third Mission

15:20

Third Mission @DSB: we share, we patent, we teach

Giorgia Pallafacchina / Regina Tavano



15:40

Poster Session & Beer

17:30

"DSB IN THE CITY" AWARDS AND POSTER AWARDS

("M. Caleo" prize for the PhD student poster / "T. Pozzan" prize for the Post-doc researcher poster)

17:45

Concluding remarks by the new Director - ROSARIO RIZZUTO

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POSTER LIST

Posters are always on display during the retreat.

N°	First Author	Title
1	Agostini L et al.	Guide connectivity between cortical organoids and host brain via intravital 3D bioprinting
2	Agrimi J et al.	Male violence disrupts protective estrogen receptor $\boldsymbol{\beta}$ signaling in the female hippocampus
3	Albanesi M et al.	Impact of visual experience manipulation on neuronal circuit activity and behaviour in zebrafish larvae
4	Amoretti S et al.	Identification of a novel factor promoting acetylcholine receptors clustering at the neuromuscular junction
5	Arnst N et al.	Role of extracellular ATP/P2X7 receptor signaling axis in Alzheimer's disease-linked neuroinflammation
6	Arusei RJ et al.	Cardioprotective effects of monoamine oxidase inhibitors against Duchenne-associated cardiomyopathy
7	Barazzuol L et al.	Untangling inter organelle contact dynamics in vivo
8	Benetollo A et al.	LGMDR3 and CFTR corrector C17: characterization of pharmacological properties and in vivo efficacy
9	Boschelle C et al.	The role of androgen receptor in renal cancer
10	Bregolin E et al.	Dissecting the role of androgen receptor in the central nervous system
11	Brondi M et al.	Alterations in olfactory-motor behaviour and neuronal activity in a mouse model of Parkinson's disease
12	Cigalotto L et al.	Inter-organelle comunication in cancer: the role of ER-mitochondria contacts in glioblastoma
13	Cuboni G et al.	Impact of perinatal stroke on motor and cognitive functions
14	Čunátová et al.	Pathological molecular mechanisms underlying COA8 loss of function
15	D'Angelo D et al.	Unravelling the role of CLPB in mitochondrial calcium homeostasis
16	Del Conte A et al.	RING-PyMOL: residue interaction networks of structural ensembles and molecular dynamics
17	D'Este G et al.	Boosting nerve regeneration in ALS by targeting the neuromuscular junction
18	Di Palma M et al.	A structural biology approach to fight antimicrobial resistance: X-ray crystallographic investigation of the antibiotic resistance factor AlbA in complex with pyrrolo[2,1-c][1,4]benzodiazepines
19	Di Spiezio A et al.	Analysis of astrocyte calcium activity mediated by $\alpha 7$ nicotinic receptor in a novel Alzheimer's disease model
20	Dumitras AG et al.	Identification of new biomarkers monitoring dmd pathology and response to treatment
21	Esposito M et al.	MUSA1 is a novel critical regulatory element for Z-line homeostasis and skeletal muscle function
22	Fontecha-Cuenca C et al.	Building the blocks for a nanoparticle-protein bioconjugation technology
23	Frigo E et al.	Effects of downregulation of subunits e and g of <i>Drosophila melanogaster</i> ATP synthase <i>in vivo</i>
24	Fusco L et al.	MXene detection in cells and tissues: an alternative cell labeling system in mass cytometry
25	Giacchin G et al.	A high-content in vitro screening to identify new mitophagy-activating compounds
26	Giro L et al.	Immune impact and detection of nanoplastics in human blood at the single-cell level
27	Granuzzo S et al.	Development of a yeast-based system to remove and recover heavy metals
28	Greco N et al.	Heparanase as key regulator of epithelial to mesenchymal transition (EMT) in breast cancer
29	Gregoris F et al.	In silico investigation of the interplay: VHL syndrome's influence on AHR activity and its implications in clear cell renal cell carcinoma (ccRCC)
30	Laquatra C et al.	A glimpse on TRAP1
31	Marin A et al.	Exploring macrophage mitochondrial (dys)function in tissue-specific and systemic aging
32	Morbidelli M et al.	The importance of nanoparticle coating structural design in the development of nanovaccines
33	Moro N et al.	Muscle RING finger-1 is required to prevent age-related myocardial hypertrophy and interstitial remodeling
34	Pezzini C et al.	Understanding BMP signature in cancer cachexia
35	Quezada Meza C et al.	Characterization of CSNK2B mutants related to Poirier-Bienvenu neurodevelopmental syndrome (POBINDS)
36	Rahhali K et al.	Mitochondrial ATP-sensitive potassium channel in cardiac pathophysiology
37	Righetto F et al.	CRISPR-assisted hybrids generation enables faster evaluation of fruitful breeding in winery yeast strains
38	Ronfini M et al.	Circulating muscle-derived miR-206 links skeletal muscle dysfunction-to-heart autonomic denervation
39	Sánchez-Rodríguez R et al.	Longitudinal single-cell analysis reveals SARS-CoV-2 monocyte infection: a new route defining COVID-19 severity
40	Santalla M et al.	Endoplasmic reticulum as key player in hereditary spastic paraplegia pathogenesis: unravelling the mechanisms to recover cell function
41	Sarto F et al.	Age-related alterations in human motor units properties and in muscle innervation profile
42	Spinelli F et al.	The role of mitochondrial cations homeostasis in the control of the inflammatory response
43	Tambaro M et al.	Induced spindles in the barrel cortex of anesthetized rats constitute macroscopic active (self-sustained) oscillators
44	Veloso PM et al.	Maturation of dendritic cells by poli(oxazoline)-coated nanoparticles: a potential vaccine formulation?
45	Vitale M et al.	Mechanisms of initiation of cortical spreading depression
46	Caccin P, Commissione Terza Missione	DSB public engagement

