

SCIENTIFIC PROGRAMME



UNIVERSITÀ DEGLI STUDI DI MILANO
DIPARTIMENTO DI SCIENZE
FARMACOLOGICHE E BIOMOLECOLARI

- 8:00 – 9:00 Registration**
- 9:00 – 9:15 Opening - Francesca Calabrese, Ivano Eberini, Elena Marcello, Massimiliano Ruscica**
(Department of Pharmacological and Biomolecular Sciences)
- 9:15 – 10:30 Oral presentations**

Neuroscience Field – room A

Chairs: *Maria Pia Abbraccio and Riccardo Cristofani*

- 9.15 – 9.30 Paolo Tornese**
Acute ketamine rescues functional and morphological changes induced by chronic mild stress in the hippocampus of vulnerable rats
- 9.30 – 9.45 Davide Marangon**
Mir-125a-3p negatively regulates oligodendrocyte precursor cells maturation and is altered in human multiple sclerosis
- 9.45 – 10:00 Marco Meroni**
Trehalose and bicalutamide as therapeutic agents of Kennedy disease
- 10:00 – 10.15 Sebastien Therin**
An innovative tool to modulate ADAM10 synaptic localization and activity in models of Alzheimer's disease
- 10.15 – 10.30 Veronica Bonalume**
PKCepsilon and GABAergic evoked currents along peripheral nerves

- 10:30 – 11:00 Coffee break**
- 11:00 – 11:45 Plenary Lecture “A secret life for motor representation” – Corrado Sinigaglia (Dean of Human Studies, University of Milan)**
Chairman *Monica Di Luca (Vice rector for international strategy, University of Milan)*
- 11:45 – 13:00 Oral presentations, two parallel sessions**

Oncology Field – room A

Chairs: *Patrizia Limonta and Monica Gomaschi*

- 11:45 – 12:00 Fabrizio Fontana**
Molecular basis of the antitumor activity of δ -tocotrienol in castration-resistant prostate cancer (CRPC) cells: apoptosis, endoplasmic reticulum (ER) stress and autophagy
- 12:00 - 12:15 Giulia Dell’Omo**
NSAIDs effects in early stage of breast cancer
- 12:15 – 12:30 Luca Palazzolo**
LAT1, a pivotal actor on cancer stage: when function meets structure
- 12:30 – 12:45 Felice Maria Accattatis**
Exosomes, markers or actors of tumoral pathogenesis? Lipidomics of tumoral cell lines and their related exosomes
- 12:45 – 13:00 Eleonora Giorgio**
High density lipoproteins inhibit oxidative stress-induced prostate cancer cell proliferation

Nutraceutical and Inflammation Fields – room B

Chairs: *Patrizia Restani and Enrico Sangiovanni*

- 11:45 – 12:00 Stefano Piazza**
*Nutraceutical effects of chestnut fruit (*Castanea sativa* Mill.): kernel for nutrition and rind for pharmacology*
- 12:00 - 12:15 Francesca Orgiu**
Antioxidant properties of food ingredients measured by different in vitro analytical approaches
- 12:15 – 12:30 Francesca Colombo**
Fast methods for the detection of adulteration and counterfeits in food supplements: their development and validation
- 12:30 – 12:45 Chiara Lossani**
NLRP12 protein and the inflammasome complex in the induction of IL-18 in human keratinocytes: further developments
- 12:45 – 13:00 Alessandra Galli**
Verbascoside, a phenylethanoid glycoside, controls pancreatic beta-cell survival and function by decreasing oxidative stress and inflammation

- 13:00 – 14:00 Lunch**
- 14:00 – 16:30 Oral presentations, two parallel sessions**

Cardiovascular Field – room A

Chairs: *Alberto Corsini and Andrea Baragetti*

- 14:00 – 14:15 Leonardo Sandrini**
Environmental Chronic Stress induces Abnormal Megakaryopoiesis predisposing to Thrombosis: protective effects of Apocynin
- 14:15 - 14:30 Lorenzo Da Dalt**
Role of Apolipoprotein-E in the immunometabolic regulation of dendritic cell function
- 14:30 – 14:45 Anahita Abdali**
In vitro effects of PFKFB3-binding compounds on wound healing capacity and MMP activity
- 14:45 – 15:00 Federica Galimberti**
The lipigen study: dutch lipid clinic network score in italian patients with FH
- 15:00 – 15:15 Chiara Pavanello**
Depletion in LpA-I:A-II particles enhances HDL-mediated endothelial protection in familial LCAT deficiency
- 15:15 – 15:30 Alessandro Di Minno**
Clinical relevance of 8-OHdG as novel oxidative stress biomarker in heart failure patients

Metabolism Field – room A

Chairs: *Adriana Maggi and Matteo Audano*

- 15:30 – 15:45 Chiara Macchi**
Iron overload induces hypogonadism in male mice via extrahypothalamic mechanisms
- 15:45 – 16:00 Margherita Botta**
Leptin and resistin affect de novo lipogenesis through the involvement of PCSK9 and STAT3
- 16:00 – 16:15 Raffaella Longo**
Shifting white adipose tissue metabolism through manipulation of epigenome modifiers
- 16:15 – 16:30 Rui Goncalo Teixeira Da Silva**
Epigenetic Regulation of Subcutaneous Adipose Tissue Metabolism

Neuroscience Field – room B

Chairs: *Marco Andrea Riva and Manuela Mellone*

- 14:00 – 14:15 Ana da Rocha Ribeiro**
A synapse to nucleus signalling pathway in Alzheimer's disease
- 14:15 - 14:30 Jessica Mingardi**
Changes in RNA dendritic trafficking associated with functional and morphological alterations induced by chronic stress and ketamine
- 14:30 – 14:45 Giulia Messa**
Modulation of BDNF signaling in reward-related brain regions following repeated exposure to cocaine during adolescence
- 14:45 – 15:00 Silvia Diviccaro**
Effects of 5 alpha-reductase inhibitor in the rat brain
- 15:00 – 15:15 Giorgia Moschetti**
Targeting Prokineticin System to counteract experimental chemotherapy-induced peripheral neuropathy
- 15:15 – 15:30 Simona Saporiti**
In silico identification of small molecules engaging the TNFR2-TNF-alpha interaction: a novel approach for targeting demyelinating diseases
- 15:30 – 15:45 Paola Brivio**
TPH2-deficient rats show alterations of neuroplastic mechanisms in basal condition and after an acute stress
- 15:45 – 16:00 Veronica Ferrari**
The role of Valosin Containing Protein (VCP) in the degradation of neurotoxic protein aggregates in Amyotrophic Lateral Sclerosis
- 16:00 – 16:15 Stefano Raffaele**
Role of the cross-talk between microglia and oligodendrocyte progenitors in brain ischemia
- 16:15 – 16:30 Laura Gerosa**
Interleukin-1beta opposes both developmental switch in NMDA receptors and spines maturation in primary hippocampal neurons

- 16:30 – 17:00 Concluding remarks - Giorgio Racagni (Department of Pharmacological and Biomolecular Sciences – Director)**