



**UNIVERSITÀ  
DEGLI STUDI  
DI MILANO**



**THE DEPARTMENT OF PHARMACOLOGICAL  
AND BIOMOLECULAR SCIENCES**

*presents*



**Tuesday, July 3<sup>rd</sup> 2018**

***Via Balzaretti 9, Milan***

Registration is free, just email at [nextstep.register@gmail.com](mailto:nextstep.register@gmail.com),

Deadline for registration is **June 22<sup>th</sup> 2018**



**Tuesday, July 3<sup>rd</sup> 2018 – SCIENTIFIC PROGRAMME**

8.00 – 9.00 Registration  
9.00 – 9.15 Opening, Adriana Maggi

<b>(Epi)genetics – Room A</b> <i>Chairmen: Angelo Poletti, Fabrizia Bonacina</i>	<b>Lipids &amp; Co – Room B</b> <i>Chairmen: Donatella Taramelli, Federica Lollì</i>
<p>9.15 – 9.30 Dalma Cricri <i>Histone deacetylase 3 early silencing amplifies adipocyte differentiation and metabolism</i></p> <p>9.30 – 9.45 Giulia Sbrini <i>Serotonin deficiency in the central nervous system alters neuroplastic and epigenetic mechanisms during development and at adulthood</i></p> <p>9.45 – 10.00 Raffaella Longo <i>Metabolic rewiring in Hdac3-deleted adipocytes affects immune resident cell population in visceral white adipose tissue</i></p> <p>10.00 – 10.15 Marta Gazzotti <i>Clinical and genetic features of familial hypercholesterolemia in pediatric patients: the LIPIGEN study</i></p> <p>10.15 – 10.30 Leonardo Sandrini <i>BDNFVal66Met polymorphism affects macrophage phenotype and worsen recovery after myocardial infarction.</i></p>	<p>9.15 – 9.30 Arianna Strazzella <i>The role of pre<math>\beta</math> HDL in the onset of renal damage in LCAT Deficiency</i></p> <p>9.30 – 9.45 Tommaso Laurenzi <i>Supramolecular modelling of an LCAT-rHDL assembly and cholesterol trans-esterification mechanism</i></p> <p>9.45 – 10.00 Ilaria Stadiotti <i>Contribution of lipids and their oxidized metabolites on Arrhythmogenic Cardiomyopathy pathogenesis.</i></p> <p>10.00 – 10.15 Elena Olmastroni <i>Multilevel models to estimate standard IMT curves for individual cardiovascular risk evaluation</i></p> <p>10.15 – 10.30 Felice Accattatis <i>Isolation, characterization and pharmacological modulation of different Extracellular Vesicles populations.</i></p>

10.30 – 11.00 Coffee break  
11.00 – 11.45 Plenary Lecture “Microbiota-gut-brain axis: a bioengineered platform for frontier research in neurodegeneration”– Carmen Giordano, Politecnico di Milano  
Chairman Ivano Eberini

<b>Energy plans– Room A</b> <i>Chairmen: Monica Di Luca, Lorenzo Arnaboldi</i>	<b>Cell languages– Room B</b> <i>Chairmen: Alberico Catapano, Lucia Caffino</i>
<p>11.45 – 12.00 Marco Meroni <i>Trehalose and bicalutamide as therapeutic agents for Kennedy disease: in vivo studies</i></p> <p>12.00 – 12.15 Lorenzo Da Dalt <i>Proprotein Convertase Subtilisin/Kexin type 9 (PCSK9) and heart metabolism</i></p> <p>12.15 – 12.30 Marco Gotti <i>Mitochondrial dynamics unbalance in a model of cardiac hypertrophy: effect of fenofibrate treatment</i></p> <p>12.30 – 12.45 Francesca Colombo <i>Phenolic profile and antioxidant activity of different pigmented corn (Zea mays L.) samples</i></p> <p>12.45 – 13.00 Veronica Ferrari <i>A novel role of VCP in the clearance of toxic mutated-SOD1 aggregates in a fALS model</i></p>	<p>11.45 – 12.00 Lara Pizzamiglio <i>Promotion of GABAergic development by tuning ATM activity</i></p> <p>12.00 – 12.15 Barbara Tedesco <i>Pro209 mutations on the Bcl-2-Associated Athanogene 3 BAG3: common molecular behaviors of mutants linked to distinct diseases</i></p> <p>12.15 – 12.30 Lina Vandermeulen <i>Linking actin-dependent dendritic spine remodeling and ADAM10 activity in Alzheimer disease: the role of CAP2</i></p> <p>12.30 – 12.45 Nicolò Carrano <i>PKC-dependent phosphorylation modulates RNF10 synapse-to-nucleus trafficking in hippocampal neurons</i></p> <p>12.45 – 13.00 Alessandra Galli <i>Mechanotransduction in human islets of Langerhans: implications for <math>\beta</math> cell fate.</i></p>

13.00 – 14.00 Light Lunch

<b>Flogisto – Room A</b> <i>Chairmen: Laura Calabresi, Maria Elena Cicardi</i>	<b>Reclaiming Conversations– Room B</b> <i>Chairmen: Alberto Panerai, Manuela Casula</i>
<p>14.00 – 14.15 Saba Khalilpour <i>Anti-inflammatory activity of Rhus coriaria L. fruit extracts in human keratinocytes</i></p> <p>14.15 – 14.30 Giorgia Moschetti <i>Understanding Prokineticin system’s role in a mouse model of chemotherapy induced peripheral neuropathy</i></p> <p>14.30 – 14.45 Veronica Zampoleri <i>PCSK9 deficiency results in altered post-prandial lipemia and inflammatory response in humans</i></p> <p>14.45 – 15.00 Federica Mornata <i>Molecular imaging of the inflammatory response in the early stage of Parkinson’s disease: role of macrophages and gender</i></p> <p>15.00 – 15.15 Marica Pisapia <i>Study of the inflammasome NLRP3 and the role of NLRP12 protein after exposure to allergens of different potency</i></p> <p>15.15 – 15.30 Federica Perego <i>Counteracting the effects of hypoxia on microvascular endothelial cells and macrophages: potential activity of oxygen-loaded nanodroplets</i></p>	<p>14.00 – 14.15 Roberto Oleari <i>Dysfunctional SEMA3G signaling underlies familial Hypogonadotropic Hypogonadism and defective GnRH neuron migration</i></p> <p>14.15 – 14.30 Stefano Raffaele <i>Activated microglia regulate GPR17-expressing oligodendrocyte progenitors’ response after cerebral ischemia</i></p> <p>14.30 – 14.45 Luca Palazzolo <i>An in silico integrated pipeline for affinity and intrinsic activity evaluation of estrogen receptor alpha putative ligands</i></p> <p>14.45 – 15.00 Paola Brivio <i>Modulation of chronic mild stress-induced alteration by chronic lurasidone treatment: a role for glucocorticoid receptor</i></p> <p>15.00 – 15.15 Annalisa Moregola <i>Impact of LDL receptor on lymphocytes T cell differentiation and function</i></p> <p>15.15 – 15.30 Jessica Rosa <i>Fear extinction deficits following acute stress: participation of glucocorticoid receptors in the prefrontal cortex</i></p>

15.30 – 16.00 Coffee break

<b>Cell fate – Room A</b> <i>Chairmen: Maurizio Crestani, Giulia Magni</i>	<b>Risk Assessment – Room B</b> <i>Chairmen: Marina Marinovich, Chiara Parravicini</i>
<p>16.00-16.15 Eleonora Giorgio <i>HDL modulate prostate cancer cell proliferation by reducing cell cholesterol content</i></p> <p>16.15 – 16.30 Electra Brunialti <i>In vivo imaging of early signs of dopaminergic neuronal death</i></p> <p>16.30 – 16.45 Laura Parma <i>Small molecule mediated inhibition of bFGF reduces in vivo angiogenesis and is a promising candidate to block intraplaque angiogenesis in atherosclerosis</i></p> <p>16.45 – 17.00 Isabella Damiani <i>In vitro evaluation of an anti-HER2 antibody-monomethyl Auristatin E conjugate in HER-2 positive cancer cells</i></p> <p>17.00 – 17.15 Daniela Crescenti <i>Chemopreventive effects of tamoxifen in the early stages of breast cancer</i></p>	<p>16.00-16.15 Simone Biella <i>Detoxification of Ginkgo biloba seeds by home cooking and industrial processes: quantification of 4’-O-methylpyridoxine by HPLC-FLD</i></p> <p>16.15 – 16.30 Nathalie Sala <i>A novel paradigm to dissect adaptive and maladaptive determinants of the response to acute stress in rats.</i></p> <p>16.30 – 16.45 Daniela Coggi <i>Effect of gender on the associations between brachial artery diameter and vascular risk factors</i></p> <p>16.45 – 17.00 Federica Galimberti <i>Association between PPI use and risk of cardiovascular events</i></p>

17.15 – 17.30 Closing remarks, Alberto Corsini  
17.30 Happy Hour