



DIMET Open Days (September 24th-25th, 2018)

University of Milano-Bicocca
Building U6
Piazza dell'Ateneo Nuovo 1, Milano

Monday, September 24th 2018

University of Milano-Bicocca, Building U6, Room Martini, Floor -1

9.45 - 10.00: **Introduction** - Prof. Andrea Biondi

10.00 - 11.30: Lecture and discussion

"Microbiota and the immune system in the gut" **Prof. Maria Rescigno** – Director of Mucosal Immunology and Microbiota Unit, Humanitas Research Hospital - Milano.

11.30 - 12.00: Coffee Break

12.00 - 13.00: Oral Presentations

Cellular and molecular mechanisms impacting on clinical outcome of circulatory and respiratory diseases

12.00 - 12.15: "Cell- and Tissue-based mechano-sensation in programming and progression of coronary vein graft disease", **Gloria GAROFFOLO** – Tutor: Dr. Roberto Giovannoni, UNIMIB; Co-tutor: Dr. Maurizio Pesce, Centro Cardiologico Monzino

12.15 - 12.30: "Inhibition of Kynurenine Pathway after Cardiac Arrest and Cardiopulmonary Resuscitation: Effects on Outcome", **Aurora MAGLIOCCA** - Tutor: Prof. Giacomo Bellani, UNIMIB; Co-tutor: Dr. Giuseppe Ristagno, Mario Negri Institute for Pharmacological Research

Molecular mechanisms and targeted nanomedicine

12.30 - 12.45: "Role of the transcription factor Sox2 and its target genes in the maintenance of glioma tumor stem cells", **Cristiana BARONE** – Tutor: Prof. Silvia Nicolis, UNIMIB

12.45 - 13.00: "Single molecule and single cell methods in nanomedicine", **Enrico BUGLIONE** – Tutor: Prof. Francesco Mantegazza, UNIMIB; Co-tutor: Prof. Massimo Masserini, UNIMIB

13.00 - 14.00: Lunch

14.00 - 15.30: Poster Session

"Mitochondrial diseases related to mtDNA in childhood: novel mutation in mtCOIII associated to familiar mitochondrial leukoencephalopathy expanding repertoire of mtDNA mutations in human diseases", **Anna ARDISSONE** – Tutor: Valeria Tiranti, Carlo Besta Neurological Institute
Moderator: Ludovica Santi,



“Preclinical Modeling Highlights the Therapeutic Potential of the Adoptive Transplant of Gene Corrected T cells in X-Linked Hyper-IgM SynDrome” **Elisabetta MERCURI** – Tutor: Prof. Francesca Granucci, UNIMIB; Co-tutor: Prof. Luigi Naldini, Vita-Salute San Raffaele University
Moderators: Laura Gornati, Ludovica Santi

“Characterization of the role of the Sox2 and Coup-tf1 transcription factors in the development of the visual system by conditional knock-outs in mice” **Linda SERRA** – Tutor: Prof. Silvia Nicolis, UNIMIB; Co-tutor: Prof. Michèle Studer, University of Nice (France) **Moderator: Ludovica Santi**

“IgA Nephropathy molecular profile” **Mariia IVANOVA** – Tutor: Prof. Fulvio Magni, UNIMIB and Prof. Olena Dyadyk, Shupyk National Medical Academy of Postgraduate Education, Kyiv (Ukraine); Co-tutor: Dr. Andrew Smith, UNIMIB **Moderator: Martina Stella**

15.30 - 16.00: Coffee Break

16.00 - 16.30: Oral Presentations

Cellular and molecular mechanisms impacting on clinical outcome of circulatory and respiratory diseases

16.00 - 16.15: “Preclinical model and therapeutic strategies for ventilatory induced diaphragmatic dysfunction”, **Paolo DEL VECCHIO** – Tutor: Prof. Giacomo Bellani, UNIMIB

16.15 – 16.30: “Nitric Oxide Decreases Acute Kidney Injury and Stage 3 Chronic Kidney Disease after Cardiac Surgery.”, **Emanuele REZOAGLI** - Tutor: Prof. Giacomo Bellani, UNIMIB; Co-tutor: Dr. Lorenzo Berra, Massachusetts General Hospital and Prof. Roberto Fumagalli, UNIMIB



Tuesday, September 25th 2017

University of Milano-Bicocca, Building U6, Room 5, Floor-1

9.45 - 10.00: **Introduction** - Prof. Andrea Biondi

10.00 - 11.00: Oral presentations

Physiological and pathological cross-talks in tissues

10.00 – 10.15: “The role of innate immune receptors in *Candida albicans* skin infections”, **Irene ARTUSO** – Tutor: Prof. Francesca Granucci, UNIMIB

10.15 – 10.30: “Study of the Potential Role of Extracellular Vesicles in the cross-talk between B-cell precursor-Acute Lymphoblastic Leukemik (BCP-ALL) cells and Mesenchymal Stromal Cells (MSCs)”, **Giulia CRI CRI** – Tutor: Prof. Andrea Biondi, UNIMIB; Co-tutor: Dr. Giovanna D’Amico, Fondazione M. Tettamanti

10.30 – 10.45: “How metronomic schedule of 5-Fluoruracil/Vinorelbine based chemotherapy influence proliferation, invasion and metastasis of triple negative breast cancer cells”, **Arianna SCAGLIOTTI** – Tutor: Prof. Marialuisa Lavitrano, UNIMIB; Co-tutor: Dr. Maria Grazia Cerrito, UNIMIB

10.45 – 11.00: “Shwachman-Diamond SynDrome: an autosomal-recessive inherited bone marrow failure disorder with defective angiogenesis” **Gloria BEDINI** – Tutor: Prof. Andrea Biondi, UNIMIB; Co-tutor: Dr. Giovanna D’Amico, Fondazione M. Tettamanti

11.00 - 11.30: Coffee Break

11.30 - 13.00: Lecture and discussion

“Neural stem cell therapeutic plasticity” **Prof. Gianvito Martino** – Scientific Director, San Raffaele Scientific Institute - Milano

13.00 - 14.00: Lunch

14.00 - 15.30: Poster Session

“Action potential prolongation, β -adrenergic stimulation and angiotensin II as co-factors in SR instability” **Beatrice BADONE** – Tutor: Prof. Antonio Zaza, UNIMIB Co-tutor: Paul Volders, Maastricht University

“Study of the interactions among Arg/Abl2, TGF- β 1 and Lox in clear cell renal cell carcinoma progression” **Sofia DE MARCO** – Tutor: Prof. Roberto Perego, UNIMIB **Moderator: Linda Beneforti**

“Peripheral blood monocytes accelerate engraftment and positively regulate hematopoietic stem cells survival during co-culture.” **Valentina GRANATA** – Tutor: Dr. Marta Serafini, Fondazione M. Tettamanti **Moderators: Cristina Corbetta, Maria Caterina Rotiroti, Diletta Fontana**



“Playing math with PcG bodies: discovering cell identity”, **Federica LUCINI** – Tutor: Dr. Chiara Lanzaolo, ITB-INGM **Moderators: Maria Caterina Rotiroti, Linda Beneforti**

15.30 - 16.30: Oral Presentations

Sequencing and editing of genes for improved clinical treatments

15.30 - 15.45: “Adoptive T cell therapy for colorectal cancer”, **Alessia POTENZA** – Tutor: prof. Biondi Andrea, UNIMIB; Co-tutor: Prof. Chiara Bonini, Vita-Salute San Raffaele University

15.45 - 16.00: “Improving targeted gene editing in hematopoietic stem cells for clinical translation” **Marc Florent JACOB AURELIEN** – Tutor: Dr. Pietro Genovese, Vita-Salute San Raffaele University; Co-tutor: Dr. Marta Serafini, Fondazione M. Tettamanti

16.00 - 16.15: “Development of lentiviral vector Gene Therapy for the treatment of Autosomal Recessive Osteopetrosis.”, **Sara PENNA** – Tutor: Dr Marta Serafini, Fondazione M. Tettamanti; Co-tutor: Dr. Anna Villa, Vita-Salute San Raffaele University

16.15 – 16.30: “A Standard Operating Procedure for the Identification of Fusion Genes in Acute Lymphoblastic Leukaemia”, **Andrea GRIONI** – Tutor: Dr. Bystry Vojtech, Masaryk University; Brno, Czech Republic; Co-tutor: Prof. Andrea Biondi, UNIMIB

16.30 - 18.30: Poster Session

“Doxorubicin loaded multi-functionalized liposomes for glioblastoma targeting”, **Beatrice FORMICOLA** – Tutor: Dr. Francesca Re, UNIMIB **Moderators: Laura Gornati, Silvia Picciolini, Cristina Corbetta**

“Proteomic Analysis of Urinary Extracellular Vesicles to provide new insights into Renal Diseases” **Lucia SANTORELLI** – Tutor: Prof. Marina Pitto, UNIMIB; Co-tutor: Dr. Francesca Raimondo, UNIMIB **Moderators: Silvia Picciolini, Cristina Corbetta**

“Identification and targeting of epigenetic drivers of immune evasion in acute myeloid leukemia relapses after allogeneic HSCT” **Valentina GAMBACORTA** – Tutor: Prof. Andrea Biondi, UNIMIB; Co-tutor: Dr. Luca Vago, Vita-Salute San Raffaele University, Dr. Raffaella Di Micco, Vita-Salute San Raffaele University. **Moderators: Laura Gornati, Maria Caterina Rotiroti, Diletta Fontana**

“Underlying mechanisms of Idiopathic Nephrotic Syndrome in children: evidence of a circulating permeability factor” **William MORELLO** – Tutor: Prof. Andrea Biondi, UNIMIB; Co-tutor: Prof. Giovanni Montini, UNIMI **Moderators: Martina Stella, Linda Beneforti**

“Astrocytic mitochondrial dysfunction in a pharmacological model of Parkinson's Disease” **Francesca MARTORANA** – Tutor: Prof. Francesca Granucci, UNIMIB; Co-tutor: Prof. Anna Maria Colangelo, UNIMIB **Moderator: Silvia Picciolini**

18:30 - 20.00: Happy Hour