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University of Leuven, Belgium

Francesco Paolo Schena
University of Bari

Dario Siniscalco
University Luigi Vanvitelli of Napoli

Liborio Stuppia
University of Chieti-Pescara

Yvan Torrente
University of Milano



IX meeting Stem Cell Research Italy

PAOLO BIANCO AWARD

Educational Medicine Credits (ECM) will be requested to the Italian Ministry of Health according to the program of "Continuous Education in Medicine".
Credit for: Medico Chirurgo (tutte le specializzazioni);
Veterinario; Odontoiatra; Farmacista; Biologo;
Chimico; Fisico; Assistente sanitario; Dietista;
Fisioterapista; Igienista dentale; Infermiere;
Ostetrica/o; Tecnico della fisiopatologia cardiocircolatoria e perfusione cardiovascolare;
Tecnico sanitario laboratorio biomedico

SCIENTIFIC COMMITTEE
Umberto Galderisi
Yvan Torrente

Communications will be in Italian or English with English slides. Posters and abstracts must be written in English.



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JUNE 21 - 22 - 23, 2018



Milano - ITALY
AULA MAGNA DELL'UNIVERSITÀ DEGLI STUDI DI MILANO
VIA FESTA DEL PERDONO, 7

21**THURSDAY
JUNE**

- 14.15 Attendee registration
- 14.45 **WELCOME CEREMONY:**
Umberto Galderisi and Yvan Torrente
- NEW HORIZONS FOR STEM CELL RESEARCH: iPS, EXTRACELLULAR VESICLES AND BEYOND**
Chair: *Augusto Pessina*
- KEY LECTURE**
- 15.00 *Maurilio Sampaoli*
miRNAs, exosomes and iPS cell technologies
- 15.45 *Anna Lange Consiglio*
Anti-inflammatory and immunomodulatory miRNA cargo of microvesicles obtained from equine amniotic progenitor cells in different time-span of in vitro culture
- 16.15 **TWO ORAL COMMUNICATIONS BY YOUNG INVESTIGATORS**
- Donato Cappetta*
Lung mesenchymal stem cells ameliorate elastase-induced damage in an animal model of emphysema
- Sara Patruno*
Human periodontal ligament stem cell differentiation into airway cells: New perspectives for studies on lung diseases
- 16.45 Coffee break
- PAOLO BIANCO AWARD**
Chairs: *Assunta Pandolfi and Letizia Penolazzi*
- 17.15 **THREE SELECTED COMMUNICATIONS BY YOUNG INVESTIGATORS**
- Andrea Brambilla*
Myoexosomes cargo triggers muscle regeneration and provides molecular cues for alternative exon skipping therapy in muscular dystrophy
- Maria Magdalena Barreca*
Oxidative stress induces necroptosis in mouse mesoangioblast stem cells
- Nefele Giarratana*
MICAL2 affects myogenic differentiation
- 18.00 **SNAPSHOTS BY COMPANIES**
- Welcome cocktail

22**FRIDAY
JUNE**

- 08.30 Attendee registration and poster set-up
- STEM CELLS IN NEUROMUSCULAR AND CARDIAC DISEASES**
Chairs: *Marco Marchisio and Domitilla Mandatori*
- 09.00 *Davide Gabellini*
Molecular pathogenesis of FSHD muscular dystrophy
- 09.30 *Sveva Bollini*
Paracrine boosting of endogenous mechanisms of cardiac regeneration

10.00 *Massimiliano Gnecci*
Induced pluripotent stem cells technology: toward precision medicine in cardiology

10.30 Coffee break

POSTER SESSION

Chairs: *Yvan Torrente and Roberta Piva*

11.00 Guided Poster Tour (5 minutes presentation)

12.00 SCR Assembly

13.00 Light lunch

FROM BASIC TO APPLIED RESEARCH IN STEM CELL FIELD: AN UPDATE

Chairs: *Roberta Piva and Tiziana Squillaro*

14.00 *Lorenza Lazzari*
Can we distinguish fetal, adult and iPS-derived MSCs?

14.30 *Margherita Maioli*
Unfolding the stem cell world: a path among the use of molecules and physical energies

15.00 *Gianvito Martino*
Therapeutic plasticity of neural stem cells

15.30 **TWO ORAL COMMUNICATIONS BY YOUNG INVESTIGATORS**
Chairs: *Mario Romano and Elisabetta Lambertini*

Ilenia Mastroli
Induced HOXB7 acts to influence phenotype and behavior of marrow mesenchymal progenitors by autocrine and paracrine mechanisms

Francesca Santilli
In vitro model for the evaluation of angiogenic potential of MSCs derived from dental pulp

18.00 Departure for a guided tour and social dinner

23**SATURDAY
JUNE**

- 08.45 Attendee registration
- NEURAL STEM CELLS AND THEIR CLINICAL APPLICATION**
Chairs: *Gina Lisignoli and Nicola Alessio*
- 09.00 *Dario Siniscalco*
Possible use of stem cells in autism spectrum disorders: scientific rationale
- 09.30 *Luciano Conti*
In vitro modelling of human neocortical development using pluripotent stem cells
- 10.00 *Maurizio Gelati*
Human neural stem cells production for neurodegenerative diseases treatment
- 10.30 *Letizia Mazzini*
Foetal neural stem cell transplantation in amyotrophic lateral sclerosis: long-term follow-up of a phase I clinica trial
- 11.00 Coffee break
- 11.30 **THREE SELECTED POSTER COMMUNICATIONS BY YOUNG INVESTIGATORS**
Chairs: *Giovanni Di Bernardo and Yvan Torrente*
- 12.30 **EVALUATION OF ECM CREDITS**
- 13.00 Concluding remarks and light lunch