

3RD INTERNATIONAL CONGRESS ON RESPONSIBLE STEM CELLS RESEARCH

FROM CELLS TO CELL PRODUCTS: DEVELOPMENT OF NEW THERAPEUTIC TOOLS

WEDNESDAY 16 – FRIDAY 18 NOVEMBER 2016

Padova, Italy

WEDNESDAY 16 AFTERNOON

Opening Session

- 14.00: Opening Address
14.30: Regenerative Medicine: meeting the expectations?
K. LeBlanc (Sweden)
15.00: Significance of paracrine signaling in cell therapy
J. Frisen (Sweden)
15.30: Stem Regenerative Medicine as tissue/organ replacement: the challenge of Tissue Engineering. *P. De Coppi (UK)*
16.00: Stem cell based therapies for cancer
Khalid Shah, (USA)
16.30: Impact of the “Disease-in-a-Dish” model on the management of genetic diseases
G. Tiscornia, (Spain)
17.00: Bioethics
Henk Ten Have (USA)
17.30: Discussion

18.00: Coffee Break

18.30: Nobel Prize Lecture (video conference):
Dissecting human reprogramming towards pluripotency
S. Yamanaka (Japan)

19.00: Welcome drink

THURSDAY 17 MORNING: CLINICAL

I Plenary Session: Clinical advances in cell therapy and tissue engineering

- 09.00: Cell Therapy of Multiple Sclerosis at bedside. *A Uccelli (Italy)*

09.25: Regenerative Medicine as tissue/organ regeneration: the new approach of extracellular vesicles. *G. Camussi (Italy)*

09.50: Tissue engineering at bedside: the paradigm of corneal reconstruction (P. Rama, Italy)

10.15: Mesenchymal Stem/stromal Cells from biology to clinical use. *S. Scheduling (Sweden)*

10.40: Bioethics of clinical applications. *C. Petrini, Rome)*

11.05: Coffee Break

II Plenary Session

Mesenchymal stem/stromal cells (MSCs)

11.30: Opinion and evolving concept on MSCs (*L. Sensebè, France*)

11.55: Mechanisms of immune modulation by MSCs (*A. Viola, Italy*)

12.20 The potential of MSCs as vehicles for drug delivery
A. Pessina (Italy)

Focus on Cell Factories

Moderators: M. Krampera, Italy; A Pessina, Italy

12.45: GMP facilities for cell therapy: comparing challenges for a private company and a public hospital (*M. Jurga, Belgium, L. Lazzari, Italy*)

13.20: End of Session

THURSDAY 17 AFTERNOON: RESEARCH

III Plenary Session: Paracrine signaling

14.30: Extracellular vesicles: biology and characterization (*P.J. Quesenberry, USA*)

14.55: Regulation of immune responses by extracellular vesicles and potential applications for immunotherapy of cancer and infectious diseases (*PD Robbins, USA*)

15.20: Mesenchymal stromal cell-derived extracellular vesicles as immune modulators (*M. Muraca, Italy*)

15.45: Bioethics of research (*M. Condic, USA*)

16.10: Coffee Break

16.40 – 18.30: First Parallel Session

Session A: LIVER: Key lecture (*E. Sokal, Belgium*): Cell Therapy of inherited liver metabolic diseases

Free Communications

Session B: Immunotherapy of cancer (*M. Dominici, Italy*)

Free Communications

Session C: to be defined

Free Communications

Social Dinner

FRIDAY 18 MORNING: RESEARCH

IVa Plenary Session (Cell Reprogramming and Epigenetics)

09.00: Epigenetic and mechano-sensing related control of cell fate

N. Elvassore (Italy)

09.25: Epigenetic conversion of cell lineage

T. Brevini (Italy)

09.50 Cell reprogramming for the study of hereditary neurological diseases

IVb Plenary Session (Bioartificial organs and organ reconstruction)

10.15: Bioartificial organs: dead or alive? (*Z. Pitkin, USA*)

10.40: Tissue engineering of the gastrointestinal tract (*T.C. Grikscheit, USA*)

11.00: Coffee Break

11.30 – 13.30: Second Parallel Session (Tissue biology)

Session A: Stem cell treatment of multiple sclerosis (*N. Scholding, UK*)

Free Communications

Session B) :Neural stem cells and neurogenesis in the adult (*C. Göritz, Sweden*)

Free Communications

Session C: to be defined

Free Communications

FRIDAY 18 AFTERNOON

V Plenary Session (Resources, regulations, media)

14.30: Trends in EU regulations – EMA. *D. Melchiorri (Italy,EMA-CHMP member)*

14.55: Trends in EU regulations – Tissue/organ transplantation. *C. Pintus (Italy)*

15.20: Industry perspective. *A. Vertes (UK)*

15.45: Coffe Break

16.15: The pivotal role of media in the advancement of therapeutic tools. *R. Stutzki (CH)*

16.40: The role of patient organizations

17.05: Cord blood banking. *A. Nanni Costa (Italy)*

17.30: Bioethics of resources. *S. Semplici (UNESCO)*

18.00: End of Session

