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presents

Asking Stem Cells for Complex Developmental Decisions: When Reprogramming and Pluripotentiality are Needed

November 14th 2011

Bologna, VID (Visual Institute of Developmental Sciences)
National Institute of Biostructures and Biosystems (NIBB),
NIBB Laboratory of Molecular Biology and Stem Cell Engineering, Strada Maggiore N. 42, 40125 Bologna, Italy

Scientific Directors:

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[Nazzeno Galie](#) Director, Pulmonary Arterial Hypertension Unit, Cardiovascular Department, University of Bologna, Italy

Programme

8:45 – 9:30 **Participants' Registration**

9:30 – 9:40 **Welcome** (S.E. Cardinale Carlo Caffarra, Arcivescovo di Bologna - S.E. Mons. Ernesto Vecchi, Pres. Fondazione Lercaro - Prof. Ivano Dionigi, Rettore Università di Bologna - Prof. Damiano Gustavo Mita, Presidente NIBB - Dr. Patrizio Bianchi, Assessore Università della Regione Emilia Romagna)

9:40 – 10:20 **Hyaluronan, cellular niche(s) and stem cell dynamics**

[Vincent C. Hascall](#)

Department of Biomedical Engineering, The Lerner Research Institute, The Cleveland Clinic Foundation, Cleveland, OH, USA

10:20 – 11:00 **Stem cell signatures toward a renewable source of pancreatic beta-cells**

[Camillo Ricordi](#)

Cell Transplant Center and Diabetes Research Institute, University of Miami, Miami, FL, USA.

11:00 – 11:40 **Cardiac progenitor cells: transcriptional control during proliferation and differentiation**

[Antonio Baldini](#)

Institute of Genetics and Biophysics (IGB) "Adriano Buzzati Traverso", Naples, Italy

11:40 – 12:20 **Post-Mortem Adult Neural Stem Cells: Erythropoietin Dependency and Neuroregenerative Action in Spinal Cord Injury**

[Alfredo Gorio](#), [Stephana Carelli](#), [Giovanni Marfia](#)

Clinical Pharmacology, IRCCS Humanitas, Milan, Italy

12:20 – 12:40 **Questions, Answers and Discussion**

12:40 – 13:40 **Lunch**

13:40 – 14:20 **Stem cells and regenerative medicine for the central nervous system: unmet needs and new perspectives**

[Laura Calzà](#)

Interdepartmental Center for Industrial Research (HST-ICIR), University of Bologna

14:20 – 15:00 **Hyaluronan esters, Wi-Fi energy: chemical and physical strategies to optimize stem cell expression of pluripotentiality**

[Carlo Ventura](#)

VID, NIBB Laboratory of Molecular Biology and Stem Cell Engineering, and Cardiovascular Department, University of Bologna, Italy

15:00 – 15:40 **Pulmonary arterial hypertension (PAH): is it the right time for regenerative medicine?**

[Nazzeno Galie](#)

Cardiovascular Department, University of Bologna, Italy

15:40 – 16:20 **Lipogems: a novel device for mechanical harvesting of human adipose derived stem cells**

[Carlo Tremolada](#)

Istituto Image and San Paolo Hospital, Milan, Italy

16:20 – 17:00 **Stem cell science and translational medicine: an unavoidable cross talk to touch the bed side**

[Vincenzo Lionetti](#)

Laboratory of Medical Science, Institute of Life Sciences, Scuola Superiore Sant'Anna, Pisa, Italy and VID, NIBB Laboratory of Molecular Biology and Stem Cell Engineering, and Cardiovascular Department, University of Bologna, Italy

17:00 – 17:30 **Questions, Answers and Discussion**