

May 14th, 2012

4th MEETING FIRST

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FORUM OF ITALIAN RESEARCHERS ON MESENCHYMAL AND STROMAL STEM CELLS MSC Between Big Killers and Nanoparticles

Collegio Borromeo
Pavia

Scientific Organizers:

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h 9.00 - 10.00: Registration
h 9.45 - 10.00: Welcome by organizers

Mesenchymal Progenitors in Prevalent Diseases

h 10.00 - 11.20 **Session:**
MSC and cardiac repair

h 10.00 - 10.20
Paolo Madeddu: "Pericyte progenitor cells and infarcted heart"
Experimental Cardiovascular Medicine, Bristol Heart Institute, University of Bristol, UK

h 10.20 - 10.40
Carlo Ventura: "Placental stem cells and cardiogenesis"
Laboratory of Molecular Biology and Stem Cell Engineering, Bologna, Italy

h 10.40 - 11.20 **Session: MSC and cancer**

h 10.40 - 11.00
Paola Chiarugi: "Epithelial mesenchymal transition and stemness"
Department of Biochemical Sciences, University of Florence, Italy

h 11.00 - 11.20

Emile Voest: "Mesenchymal stem cells induce resistance to chemo-therapy through the release of platinum-induced fatty acids"
Cancer Res. Department of Medical Oncology, Utrecht, The Netherlands

Lectures on Mesenchymal Stem Cells

h 11.30 - 12.30
Jeffrey M. Karp, "Towards Bio-engineered Control of MSC Destiny Post Transplantation"
Laboratory for Advanced Bio-materials and Stem-Cell-Based Therapeutics, Harvard Stem Cell Institute, Cambridge, MA, USA

h 12.30 - 14.30 Lunch break

h 14.30 - 15.00 **Lecture**

Bruno Péault "MSC and pericytes, and back".
University of Edinburgh Center for Vascular Science, UCLA Orthopaedic Surgery

h 15.00 - 16.15

Young Researchers, FIRST Award (to be selected)

Mesenchymal Progenitors and Biomaterials

h 16.15 - 16.35
Nicola Elvassore: "Mechanotransduction in mesenchymal stem cell differentiation".
Department of Chemical Engineering, University of Padova, Italy

h 16.35 - 16.55
Nikolaj Gadegaard: "Nanoscale surfaces for the longterm maintenance of mesenchymal stem cell phenotype and multipotency"
Department of Electronic & Electrical Engineering, University of Glasgow, Scotland, UK

h 17.00 Closing remarks

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