



CELL DECISION IN DEVELOPMENT AND STEM CELL FUNCTION



Teramo, 13 - 14 Novembre 2008
Sala delle lauree - Campus di Coste Sant'Agostino

GIOVEDÌ 13 NOVEMBRE

CELL DECISION DURING GAMETE FORMATION

10.00 Generating the germ cell niche from embryonic stem cells

(H. Moore, University of Sheffield, UK.)

10.30 Epigenetic/imprinting modifications during gametogenesis

(B. Barboni, Università degli Studi di Teramo, Italy)

10.45 Nuclear oocyte competence in prepubertal vs pubertal sheep

(G. Ptak, Università degli Studi di Teramo, Italy)

11.00 *General discussion and coffee break*

12.00 Sperm nuclear remodelling

(S. Khochbin, Université Joseph Fourier, Grenoble, France)

12.30 Membrane lipid rafts in sperm decision

(P. Palestini; Università la Bicocca, Milano, Italy)

12.45 Endocannabinoids, gene expression and cell fates : role of lipid rafts

(M. Maccarrone, Università degli Studi di Teramo, Italy)

13.00 *General discussion*



CELL DECISION DURING EMBRYONIC AND STEM CELL FUNCTION



15.00 DNA damage to sperm impacts fertilization and pregnancy

(S. Lewis; University of Belfast, UK)

15.30 Effect of ART on imprinting

(L. Gianaroli, SISMER, Bologna, Italy)

16.00 Diet induced epigenetic alteration of DNA methylation during the periconceptual period and their effects on offspring and adult phenotypes

(K. Sinclair, University of Nottingham, UK)

16.30 *General discussion and tea break*

17.15 Epigenetic control of cell lineage commitment on early development

(M. Hemberger, The Babraham Institute, Cambridge, UK)

17.45 Male specific nuclear remodelling in somatic cells

(P. Loi, Università degli Studi di Teramo, Italy)

18.00 Somatic cell (niche) stem cell interactions: how much the decision of being a stem cell is due to environmental influence

(A. Bigas, IDIBELL, Barcellona, Spain)

18.30 *General discussion*

VENERDÌ 14 NOVEMBRE

STEM CELLS IN REGENERATIVE MEDICINE: FROM PRECLINICAL STUDY TO CLINICAL APPLICATION



10.00 Keynote: Animal model in stem cell studies

(C. Galli, Università di Bologna, Italy)

10.30 Preimmune ovine foetus to study stem cell transplantation

(L. Petrizzi, Università degli Studi di Teramo, Italy)

10.45 Preliminary study on the use of scaffolds in osteo-chondral lesions experimentally induced in the horse

(A. Muttini, Università degli Studi di Teramo, Italy)

11.00 *General discussion and Coffee break*

12.00 Keynote: Advanced strategies in joint resurfacing

(W. C. McIlwraith, Colorado State University, USA)

12.30 Clinical strategies in the treatment of tendon and ligament injuries.

(A. Crovace, Università di Bari, Italy)

13.00 *General discussion*

ADVANCED TECHNOLOGIES IN REGENERATIVE MEDICINE



15.00 Amniotic Fluid Stem Cells: a promising resource for cellular therapy

(L. Stuppia, Università degli Studi “G. D’Annunzio” di Chieti-Pescara)

15.30 Isolation of osteogenic progenitors from human amniotic fluid using a single step culture protocol

(S. Tetè, Università degli Studi “G. D’Annunzio” di Chieti-Pescara)

15.30 Genome medicine: sequence-specific modification of genomic DNA by small DNA fragments

(A. Colosimo, Università degli Studi di Teramo, Italia)

16.00 Progress in cryopreservation of cell, tissue and organ from basic science to clinical application

(A. Arav, University of Rehovot, Israel)

16.30 Biomimetic scaffold in osteocondral regeneration

(E. Kon, Istituti Ortopedici Rizzoli, Bologna, Italy)

16.45 A new method expansion and purification of blood stem cells: therapeutic applications in the veterinary field

(A. Gambacurta, Università Tor Vergata, Roma)

17.15 *General discussion and closing remarks*

SCIENTIFIC COMMITTEE

B. Barboni, Università degli Studi di Teramo, Italia

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