

International Conference

ADVANCES IN STEM CELL RESEARCH
Organizers: E. Cattaneo and A. Smith
University of Milano and EuroStemCell Consortium

*Under the patronage and financial support of EuroStemCell,
University of Milano, Fondazione Cariplo and BioRep.
April 6-7, 2005*

Università degli Studi di Milano, Aula Magna, Via Festa del Perdono 7, Milano, Italy

April 6th, 2005

Opening Ceremony

09:00 **Rodolfo Paoletti**, Dean of the Faculty of Pharmacy
E.Cattaneo and A. Smith, *Welcome address on behalf of Eurostemcell*

Presentation by Patients Associations

09:15-09:30 **Filippo Buccella**, President of the Duchenne Parent Project
09:30-09:45 **Luca Coscioni**, President of the Luca Coscioni Association
09:45-10:00 **Margery Perry**, Chair of Research, Juvenile Diabetes Research Foundation International

Plenary Lecture

10:00-10:45 **Daniel Pipeleers**, Diabetes Research Center, Belgium
Beta cell therapy for diabetes

10:45 *Coffee Break*

1) The potential of stem cell research - chaired by Anders Bjorklund (Sweden)

11:15-11:45 **Austin Smith**, Coordinator of EuroStemCell, University of Edinburgh, Edinburgh, UK
Embryonic stem cells and tissue stem cells
11:45-12:15 **Yann Barrandon**, Swiss Federal Institute of Technology, Lausanne, Switzerland
Functional analysis of skin renewal
12:15-12:45 **Olle Lindvall**, Lund University, Lund, Sweden
Stem cell therapy for human brain disease--will it ever work?

12:45 *Lunch Buffet*

2) Ethical Aspects of stem cell research - chaired by Göran Hermerén (Sweden)

14:00-14:30 **Göran Hermerén**, Lund University, Sweden
Ethical aspects of stem cell research
14:30-15:00 **Demetrio Neri**, University of Messina, Italy
Stem cell research: the Italian debate and legislation
15:00-15:30 **Mauro Capocci**, University of Rome, Italy
Regeneration: from myth to stem cells
15:30-16:00 **Giuseppe Testa**, Max Planck Institute, Dresden, Germany
Ethical and legal dimensions of genome reprogramming

16:00 *Coffee Break*

3) Application of stem cell research to neurodegenerative diseases

chaired by Lorenzo Magrassi (Italy)

16:30-17:00 **Anders Björklund**, Lund University, Lund, Sweden
Stem Cell Therapy for Parkinson's disease

17:00-17:30 **Oliver Brüstle**, University of Bonn, Bonn, Germany
Generation and Transplantation of Functional ES Cell-Derived Neurons and Glia

April 7th, 2005

Plenary Lecture

09:00-09:45 **Ronald D.G. McKay**, NIH, Bethesda, USA
The molecular biology of stem cells

4) Application of stem cell research to neurodegenerative diseases

chaired by Ferdinando Rossi (Italy)

09:45-10:15 **Elena Cattaneo**, University of Milano, Milano, Italy
Novel neural stem cell systems for gene function studies

10:15-10:45 **Ernest Arenas**, Karolinska Institute, Stockholm, Sweden
Regulation of dopaminergic neurogenesis by glial-derived signals and Wnt

10:45 *Coffee Break*

5) Stem Cell Biotechnology: producing characterised resources for research & development - chaired by Tim Allsopp (UK)

11:15-11:35 **John McCafferty**, Sanger Institute, Cambridge, United Kingdom
Antibodies for stem cell identification

11:35-11:55 **Tim Allsopp**, Stem Cell Sciences Ltd, Edinburgh
Producing ES cells at scale

11:55-12:15 **Lars Wahlberg**, Ns Gene A/S, Ballerup, Denmark
Human neural progenitor cell lines for cell therapy

12:15-12:35 **Anders Haegerstrand**, NeuroNova AB, Stockholm, Sweden

Discovery of neural stem cell growth stimulating mechanisms: from mice to men

12:35-12:55 **Pasquale De Blasio**, BioRep Inc., Milano, Italy
Establishing a European stem cell repository

12:55 *Lunch Buffet*

6) Isolation and potentialities of stem cells from the hematopoietic system

chaired by Daniel Pipeleers (Belgium)

14:00-14:30 **Tariq Enver**, The Institute of Cancer Research, London, UK
Transcriptional programming in normal and leukaemic stem and progenitor cells

14:30-15:00 **Claus Nerlov**, EMBL, Monterotondo, Italy
Regulation of haematopoietic progenitor proliferation and differentiation: The interaction between cell cycle regulators and lineage-specific gene expression programs

15:00-15:30 **Ana Cumano**, Institut Pasteur, Paris, France
Hematopoietic cell generation in the mouse embryo

7) Myogenic stem cells - chaired by Yvan Torrente (Italy)

15:30-16:00 **Margaret Buckingham**, Institut Pasteur, France
Pax genes control muscle stem cell fate

16:00-16:30 **Shahragim Tajbakhsh**, Institut Pasteur, Paris, France
Establishing skeletal muscle from stem cells: patchworks and networks

16:30-17:00 **Giulio Cossu**, S. Raffaele Hospital, Milano, Italy
Mesoangioblasts for the cell therapy of primary myopathies

17:00 *Closure - Wine and cheese*