

3RD INTERNATIONAL CONGRESS ON RESPONSIBLE STEM CELL RESEARCH RSCR

VATICAN CITY,
APRIL 25-28, 2012



STEM CELLS: FROM LABORATORY TO TRANSLATIONAL APPLICATIONS

Program

WEDNESDAY, APRIL 25, 2012

WELCOME ADDRESSES

Pontifical Academy for Life
Fondation Jerome Lejeune
World Federation of Catholic Medical Association

KEY LECTURE

A general overview of stem cell research, from initial bone marrow transplantations to present iPSCs

G. Daley (Harvard - USA)

SESSION 1

STEM CELL BIOLOGY I

Hematopoietic and mesenchymal stem cell niche
C. Verfaillie (Leuven - B)

Neural regulation of the stem cell niche
P.S. Frenette (New York - USA)

Notch signaling - WNT signaling in the regulation of stem cell self-renewal and differentiation
A. Wagners (Harvard - USA)

Mesenchymal stem cell biology
W.W. Fibbe (Leiden - NL)

THURSDAY, APRIL 26

SESSION 2

STEM CELL BIOLOGY II

Paracrine effect
M. Gnechchi (Pavia - I)

Facilitation of adult stem cell engraftment
H.E. Broxmeyer (Indianapolis - USA)

SESSION 3

**CELL REPROGRAMMING - iPSCs
VARIOUS APPROACHES FOR OBTAINING iPSCs**

a) **VARIOUS APPROACHES FOR OBTAINING iPSCs**

Chemical approach, small molecules
S. Ding (La Jolla - USA)

b) **DIRECT REPROGRAMMING**

Direct reprogramming of skin fibroblasts to dopaminergic neurons
V. Broccoli (Milan - I)

c) **iPSCs FOR DISEASE MODELING**

iPSCs for Parkinson's modeling
T. Kunath (Edinburgh - UK)

d) **iPSCs FOR CLINICAL APPLICATION**

Using iPSCs to study and possibly treat diabetes 1
D.A. Melton (Boston - USA)

iPSCs derived photoreceptors for restoration of retinal structure and function
M. Young (Boston - USA)

Production of function red blood cells from iPSCs
L. Douay (Paris - F)

Zinc finger nucleases gene therapy with iPSCs for the treatment of sickle cell anemia
K.H. Joung (Boston - USA)

SESSION 4

CLINICAL APPLICATIONS OF STEM CELLS - I

a) **THE HEART**

Stem cells in angina pectoris refractory to conventional therapy
M. Capogrossi (Rome - I)

b) **VESSELS - ISCHEMIA**

Stem cells in limb ischemia
T. Asahara (Kobe - J)

c) **NEUROLOGY**

Stem cells in multiple sclerosis
N. Scolding (Bristol - UK)

Non embryonic stem cells in stroke
C. D. Hess (Augusta - USA)

d) **LIVER**

Stem cells for liver repair and regeneration
E. Sokal (Bruxelles - B)

e) **SKIN**

Stem cells in Epidermolysis bullosa
J. Wagner (Minneapolis - USA)

f) **ETHICS**

Stem cells: a catholic view
Rev. Renzo Pegoraro (Padua - I)

FRIDAY, APRIL 27

SESSION 5

CLINICAL APPLICATIONS OF STEM CELLS - II

g) **BONE**

Mesenchymal stem cells in osteogenesis imperfecta
E.H. Horwitz (Philadelphia - USA)

h) **EYE**

Stem cells for repair and regeneration of human cornea
P. Rama (Milan - I)

i) **GINGIVAL STEM CELLS**

Gingival fibroblasts for the treatment of aneurism
A. Lafont (Paris - F)

l) **IMMUNOMODULATION**

Immune capacity of mesenchymal stem cells
O. Rindgen (Stockholm - SW)

Immunosuppressive capacities of mesenchymal stem cells for clinical applications
K. Leblanc (Stockholm - SW)

Mesenchymal stem cells in resistant tuberculosis
M. Maeurer (Stockholm - SW)

m) **BURNS**

Stem cells for treatment of severe burns
J.J. Lataillade (Clamart - F)

n) **TISSUE ENGINEERING WITH STEM CELLS**

Bone engineering with stem cells
R. Cancedda (Genova - I)

Fetal tissue engineering from amniotic mesenchymal stem cells
D. Fauza (Boston - USA)

Tracheal tissue engineering with stem cells
P. Macchiarelli (Stockholm - SW)

SESSION 6

STORAGE, REGULATIONS

CORD BLOOD STEM CELLS

Results of hematopoietic stem cell transplantation for hematological diseases: a comparison between cord blood HSCs and HSCs from other origins
E. Gluckman (Paris - F)

Umbilical cord blood cells in regenerative medicine
C. McGuckin (Lyon - F)

Umbilical cord blood collection, storage and use: ethical principles and international norms
C. Petrini (Rome - I)

Cell banking

P. Rebulla (Milan - I)

EUROPEAN REGULATION

C. Pintus (Rome - I)

NETWORKING ADVANCED THERAPIES

G. Migliaccio (Rome - I)

ETHICS

What place does ethics have in today's stem cells research?
H.E. Mgr. J. Suaudeau (Rome - I)

SATURDAY, APRIL 28

SESSION 7

ETHICS OF STEM CELL RESEARCH IN VIEW OF CLINICAL APPLICATIONS

Industry perspective

A. Trounson (San Francisco - USA)

SYNTHESIS

The lessons from stem cell biology
T. Brevini (Milan - I)

Stem cells at the bedside
M. Muraca (Rome - I)

AUDIENCE WITH THE HOLY FATHER

ORGANIZERS



PONTIFICAL ACADEMY FOR LIFE
H.E. Msgr. Ignacio Carrasco De Paula



FONDATION JEROME LEJEUNE
Mr. Jean-Marie Le Mene



WORLD FEDERATION OF CATHOLIC
MEDICAL ASSOCIATION (FIAMC)
Dr. José Maria Simón Castellví

In collaboration
with



COMITE CONSULTATIF BIOETHIQUE MONACO
Mrs. Fabienne Mourou

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HORWITZ E., Philadelphia - United States of America
LAFONT A., Paris - France
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MCGUCKIN C., Lyon - France

MAEURER M., Stockholm - Sweden
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SCOLDING N., Bristol - United Kingdom
SOKAL E., Brussels - Belgium
SUAUDEAU J., Rome - Italy
TROUNSON A., San Francisco - United States of America
WAGERS AJ., Boston - United States of America
WAGNER J., Minneapolis - United States of America
YOUNG M., Boston - United States of America

SCIENTIFIC INFORMATION

CME AND UEMS CREDITS

UEMS Credits

As in our previous congresses, an application will be made to the (EACCME) European Accreditation Council for Continuing Medical Education Institution of The European Union of Medical Specialists (UEMS). Further details will be made available on the congress web site.

CME for Italian delegates

The Congress will be accredited to the Ministry of Health for Continuing Medical Education, for the following professionals:

Medical doctor

Biologist

Psychologist

Nurse

ATTENDANCE CERTIFICATES

Attendance certificates will be delivered on request to all registered participants at the end of the Congress.

GENERAL INFORMATION

VENUE

Aula Nuova del Sinodo – Vatican City

LANGUAGE

The official languages will be English, French and Italian; simultaneous translation will be provided.

VISA & INVITATION LETTER

Participants are requested to check with the Italian Consulate or diplomatic mission in their home country for VISA requirements.

It is the responsibility of the participant to obtain a VISA if required. Conference invitation letter.

Please send an e-mail with your full name (as printed in your passport), full postal address and passport number to the 3rd RSCR Organizing Secretariat at: stemcellsrome2012@keycongress.com and an official

ABSTRACT SUBMISSION

Abstract submissions is now open!

Please contact the official web site to get more information.

Topics

BIOLOGY

TISSUE ENGINEERING

CLINICAL APPLICATION OF STEM CELLS

CORD BLOOD STEM CELLS

ETHICS

NETWORKING

ADVANCED THERAPIES

Deadline for submission: February 1, 2012

invitation letter (PDF) will be prepared and sent to your e-mail. Invitation letters are prepared solely for individuals and are mailed directly to them.

PRESS REGISTRATION

All media representatives are kindly requested to register well in advance; please contact the official web site to get more information.

SPONSORSHIP & EXHIBITION

A professional exhibition will be held within the framework of the Congress.

For details regarding sponsorship opportunities and/or exhibition space, please contact:

Ms. Arianna Caldon, Industry Liaison & Sales

E-mail: a.caldon@keycongress.com

Tel: +39 049 8729511 Fax: +39 049 8729512

REGISTRATION FEES (Please contact the official web site to get more information)

	From October 1, 2011 up to March 31, 2012	From March 31, 2012 up to April 1, 2012
FIAMC, PAV, Fondation LEJEUNE Members	€ 200,00	€ 250,00
DELEGATES	€ 300,00	€ 400,00
DELEGATES FROM SPECIAL AREAS ⁽¹⁾	€ 100,00	€ 150,00
STUDENTS/NURSES ⁽²⁾	€ 150,00	€ 150,00
SATURDAY APRIL 28, 2012 (one day participation) ⁽³⁾	€ 100,00	€ 150,00

All registration fees are quoted in Euro and include 21% VAT.

⁽¹⁾ Eastern European Countries and Specific Areas: Poland, Hungary, Romania, Bulgaria, Albania, Serbia, Russian Federation, Moldova, Latvia, Ukraine, Lithuania, Estonia
South Mediterranean Areas: Libya, Tunisia, Morocco, Egypt, Algeria, Iran. Specific Areas: India, China and South America.

⁽²⁾ Please provide a certificate - ⁽³⁾ Single day registration is available on Saturday

Delegate registration fee includes: Admission to all scientific sessions; Congress kit with Final Programme and Abstract book; Certificate of Attendance; Coffee breaks.

ORGANIZING SECRETARIAT



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KEY DATES

February 1, 2012 Deadline for abstract submission

March 31, 2012 Early registration fee deadline

April 1, 2012 Deadline for registration

www.stemcellsrome2012.org