



Stem Cells World Congress

12-13 February 2007 La Jolla, CA, USA

Welcome to the inaugural Stem Cells World Congress, which is being held in the warm climes of La Jolla, San Diego.

Our agenda promises top speakers from some of the most respected stem cell research institutes.

Our venue is close to several major institutes which have research programs on stem cells including Salk, Burnham, Scripps and the University of California, San Diego (UCSD).



Registration starts at just \$450
(academic & non-profit organizations)

The full delegate pass includes admission to all sessions, conference documentation, refreshments and lunches.

Register online
StemCellCongress.com

Corporate Sponsors



Speaker List

Gregor Adams
Instructor in Medicine
Massachusetts General Hospital

Robin Ali
Professor
University College London

Daniel Collins
CSO
BioE

Julie Daniels
Lecturer
University College London

Cosimo De Bari
Senior Lecturer, Rheumatology
King's College

Fred Gage
Professor/Staff Scientist
Salk Institute

Anders Haegerstrand
President and CEO
NeuroNova

Robert Harman
CEO
VetStem

James Kelly

CEO
Stem Cell Innovations

Majlinda Lako
Senior Lecturer
Newcastle-upon-Tyne University

Mahendra Rao
VP Research - Stem Cells
Invitrogen

Stephen Minger
Director
King's College London

Jay Sharma
CEO & CSO
Celprogen

Thomas Skutella
Group Leader
University of Tuebingen

Maya Sieber-Blum
Professor
Medical College of Wisconsin

Alan Smith
President and CEO
Cognate Bioservices

Ralph Snodgrass
CEO
VistaGen Therapeutics

Thomas Zwaka

Sponsorship and exhibition opportunities
Contact Ian Slade
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Stem Cells World Congress Agenda

Precise timing and latest updates available at
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Clinical Perspectives

Clinical Use of Adipose-Derived Stem Cells in Over 2,000 Orthopedic Cases in the Equine and Canine

Robert Harman, CEO, VetStem

Adult stem cell therapy is in use treating orthopedic injuries in animals. This presentation summarizes the clinical, regulatory, and business experiences of a veterinary regenerative medicine company, with data from 2000 commercial cases treated with adipose-derived stem cells.

Retinal Repair by Transplantation of Photoreceptor Precursors

Robin Ali, Professor, University College London

Coffee & networking in exhibition hall

Keynote Address - The Biopolitical and Therapeutic Landscape of Stem Cell Research

Stephen Minger, Director, King's College London

Transplants of Human Embryonic Stem Cells (HESC) Improved Motor Function recovery in Spinal Cord Injured Rats

Jay Sharma, CEO & CSO, Celprogen

Human Embryonic Stem Cells (HESC) derived from Amniotic membrane / fluid represent a potentially useful source of stem cells for cell replacement therapy after nervous tissue damage. The HESCs can be maintained and expanded in Celprogen's HESC matrix and serum free media tissue culture system without losing their stem cell characteristics (stemness). These HESCs once expanded in culture can be re-introduced into patients as auto-grafts or allo-grafts. In preclinical transplant studies with embryonic stem cells, various investigators have demonstrated both safety as a source for neurons for transplantation and efficacy in treating stroke-related behavioral deficits.

The Cornea as a Model for Stem Cell Niche Characterisation and Therapy

Julie Daniels, Lecturer, University College London

Transparency of the cornea, and therefore vision, is dependent upon functional limbal epithelial stem cells (LESC) which maintain the corneal epithelium. Depletion of LESCs results in painful, blinding ocular surface disease. This presentation will discuss how our understanding of the LESCs niche will improve therapeutic ex-vivo expansion and transplantation of autologous (and allogeneic) LESCs.

Lunch & poster viewing

Stem Cell Biology - Part One

Adult Neural Crest Stem Cells from Hair Follicles

Maya Sieber-Blum, Professor, Medical College of Wisconsin

Epidermal neural crest stem cells (EPI-NCSC) are a novel type of multipotent adult stem cell. They are remnants of the embryonic neural crest that reside in the bulge of hair follicles and can be isolated as a highly pure population.

Keynote Address - Stem Cells in the Adult Nervous System

Fred Gage, Professor/Staff Scientist, Salk Institute

The Salk Institute has recently identified several novel mechanisms that regulate proliferation, survival and differentiation of adult derived stem cells. The functional and practical significance of these findings will be discussed in light of their implications for alternative or expanded views of structural plasticity in the adult brain.

Coffee & networking in exhibition hall

Self-Renewal of Embryonic Stem Cells

Thomas Zwaka, Assistant Professor, Baylor College of Medicine

Our current investigations are focused on determining how undifferentiated embryonic stem cells decide when to undergo programmed cell death and when to differentiate.

Definition and Manipulation of the Hematopoietic Stem Cell Niche

Gregor Adams, Instructor, Massachusetts General Hospital

Understanding the microenvironmental niche and the intracellular signals that allow for expansion of stem cells during development will have therapeutic potential. We have identified key components of the hematopoietic stem cell niche and further demonstrated that these can be targeted to enhance therapies aimed at the stem cells.

Drinks reception in exhibition hall

Day One - 12 February

Stem Cells World Congress Agenda cont.

Precise timing and latest updates available at
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Stem Cell Biology - Part Two

Isolation and Modulation of Neural Precursors and Stem Cells from the Mammalian Enteric Nervous System

Thomas Skutella, Group Leader, University of Tuebingen

Keynote Address - Biologics for Stem Cells Rather than Stem Cells as Biologics - Opportunities and Risks

Anders Haegerstrand, President and CEO, NeuroNova
Stem cells as an infinite source of cells for transplantation purposes is attractive but poses significant challenges when transferred from rodent cells and the lab bench to human cells for product development. Developing drugs to be delivered systemically or locally to stem cell niches that promote regenerative processes, represents a promising route for "stem cell based therapies". If successful these opportunities will be more attractive from a product development perspective. Such efforts including pros and cons will be reviewed.

Coffee & networking in exhibition hall

MSC-based Approaches to Skeletal Repair: From Bench to Bedside

Cosimo De Bari, Senior Lecturer, King's College, London
We have identified and characterized mesenchymal stem cells (MSCs) from the adult human synovial membrane. We are currently investigating their niche(s) in vivo to develop technologies to activate and direct the resident MSCs to achieve joint surface repair.

Human Embryonic Stem Cells: Insights into Their Pluripotency and Haematopoietic Differentiation

Majlinda Lako, Senior Lecturer, Newcastle-Upon-Tyne University

Keynote Address - Characterization of ESC

Mahendra Rao, VP Research – Stem Cells and Regenerative Medicine, Invitrogen

Lunch & poster viewing

Commercial Applications of Stem Cell Research

Multi-Lineage Progenitor Cells (MLPC) an Umbilical Cord Blood-Derived Multi-potent Stem Cell that Arises from an Adherent CD45+/CD34+/CD9+ Subset

Dan Collins, CSO, BioE

Description of a new and unique multi-potent stem cell derived from post-partum human umbilical cord blood. Methods of isolation, characterization, and differentiation are described. The development of stable, clonal cell lines is shown. Interactions of MLPC with surface environments and extracellular matrices is discussed with regards to differentiation and tissue engineering.

A New Pluripotent Human Stem Cell Platform Grown Directly on Plastic, Scalable for use in Many Different Drug Discovery Applications

James Kelly, CEO, Stem Cell Innovations

Coffee & networking in exhibition hall

Embryonic Stem Cells: Tools for Drug Discovery and Development

Ralph Snodgrass, CEO, VistaGen Therapeutics

Current Requirements for Manufacturing Stem Cells for Clinical Trials

Alan Smith, President and CEO, Cognate Bioservices
This talk will address the challenges of growing stem cells to production scale under cGMPs to meet human clinical trial and commercialization needs.

Close of conference

Post-Conference Business Tutorial (14 Feb) Stem Cells: Market Analysis and Emerging Opportunities

A half day interactive business tutorial, presented by Enal Razvi, Ph.D., has been arranged to take place after the conference. Attendees will also have the opportunity of acquiring the new Stem Cells 2007 report at a considerable saving over the normal list price.

Full details on StemCellsCongress.com

Stem Cells World Congress

La Jolla, CA, USA

Registration Form

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