



Frontier Conclave 2007

is honoured to announce

**The 2nd Dr. John W. Kirklin Memorial Oration
&
The 1st Dr. Robert Karp Memorial Oration**

In conjunction with
**The International Conference On Stem Cell,
Tissue Engineering And Regenerative Medicine**

Organized by
Frontier Lifeline & Dr. K. M. Cherian Heart Foundation



Date:
30th Nov, 1st & 2nd
December 2007

In collaboration with
**The Society For Regenerative Medicine &
Tissue Engineering**

Esteemed Patrons

Dept. of Science & Technology (DST), Govt. of India, New Delhi
Dept. of Bio-technology (DBT), Govt. of India, New Delhi
Indian Council for Medical Research, New Delhi
Technology Development Board (TDB), Govt. of India, New Delhi
Cryo Stemcell (KAR) Pvt. Ltd, Bangalore
NCRM, Chennai
(Yamanashi University-School of Medicine, Japan)

Topics

Basic and Clinical Overview of Stem Cell Research
Research and Ethics in Stem Cell and Tissue Engineering
Mesenchymal Stem Cells: From Basic Biology to Clinical Applications - an Update
Emerging Applications of Blood Stem Cells
Stem Cells of Bio-Artificial Myocardium for Cardiac Support and Regeneration
Stem Cells, Diabetes and Regenerative Medicine
Tissue Engineering with Synthetic and Biological Scaffold Heart, Kidney, Liver
Engineering Biological Pacemakers



Venue:
**Hotel Green Park
Chennai**

PROGRAM

Friday 30th November

- 08.30 - 09.00 : Registration
09.00 - 10.20 : **INAUGURAL CEREMONY**
- Welcome Address
by **Dr. K.M. Cherian**
(President of Frontier Conclave 2007)
- Lighting of the Lamp
by the **Chief Guest** of Frontier Conclave 2007
- Inaugural Address
by the **Chief Guest** of Frontier Conclave 2007
- Brief Introduction to the Society for Regenerative
Medicine & Tissue Engineering
by **Dr. Manoj Mojamdar**
(President of the Society)
- Release of the Conclave Souvenir
10.20 - 10.40 : Key Note Address
by **Dr. T. Ramasami**
(Secretary, Dept. of Science & Technology, Govt. of India)
10.40 - 11.00 : **Tea Break**

ACADEMIC SESSION

Genes & Heart

- Chaired by* : **Dr. J.C. Chachques**
Dr. C. Shanthy
11.00 - 11.30 : **Prof. Deepak Srivastava**
(Gladstone University of Cardiovascular Diseases, USA)
Topic: Genetics Of Cardiogenesis: Implications For
Human Disease And Regeneration

Stem Cell & Regenerative Medicine

- Chaired by* : **Dr. S.G.A. Rao**
Dr. Moustapha Kassem
11.30 - 12.00 : **Prof. Ray C. J. Chiu**
(Cardiothoracic Surgery Division, McGill University,
Canada)
Topic: Basic and Clinical Overview of Stem Cell Research
12.00 - 12.30 : **Prof. Mammen Chandy** (CMC, Vellore)
Topic: The Promise of Stem Cells - Science Fiction or
Reality
12.30 - 13.00 : **Dr. Michael R. Rosen**
(Center for Molecular Therapeutics, Columbia University,
USA)
Topic: Engineering Biological Pacemakers
13.00 - 13.30 : **Dr. Asok Mukhopadhyay**
(National Institute of Immunology, New Delhi)
Topic: Contribution of Bone Marrow Cells in Liver
Regeneration

13.30 - 14.30 : **Lunch & Poster Presentation**

- Chaired by* : **Prof. Mammen Chandy**
Dr. Michael R. Rosen
14.30 - 15.00 : **Dr. Gopal Pande** (CCMB, Hyderabad)
Topic: Regenerative and Proteomic Studies on Murine Bone
Marrow Side Population (SP) Cells

- 15.00 - 15.30 : **Dr. Mahendra Rao** (*Baltimore, USA*)
Topic: Large scale Culture Conditions for
Clinical Grade manufacture of Mesenchymal Stem Cells
and Human Embryonic Stem Cells
- 15.30 - 16.00 : **Dr. Aw Tar Choon**
(*Monash University Medical School, Malaysia & Australia*)
Topic: Peripheral Blood Stem Cells in Peripheral Vascular
Disease
- 16.00 - 16.30 : **Tea Break**
- 16.30 - 17.00 : **Dr. Moustapha Kassem** (*Institute of Medical Biology,
University of Southern Denmark, Denmark*)
Topic: Human Mesenchymal Stem Cells: From Basic
Biology to Clinical Applications - An Update
- 17.00 - 17.30 : **Dr. Phagun Shah** (*Lifecell, Chennai*)
Topic: Importance of Cord Blood Stem Cell Banking
- 17.30 - 18.00 : **Dr. Aleem Khan** (*Deccan Institute, Hyderabad*)
Topic: Hepatic Stem Cells and its Clinical Application in the
Management of Liver Disease
- 18.00 - 18.20 : Presentation by **Cryo Stemcell**, Karnataka
(*By Dr. S.G.A. Rao or Associate*)
- 19.30 - 20.30 : Cultural Programme

Dinner

Saturday 1st December - Tissue Engineering & Regenerative Medicine

- Chaired by* : **Dr. Prabha D. Nair**
Dr. Samuel J.K. Abraham
- 09.00 - 09.30 : Dr. Robert Karp 1st Memorial Oration
by **Dr. N. K. Ganguly**
(*Director General, ICMR*)
Topic: Research in Emerging Economy
- 09.30 - 10.00 : Society of Stem Cell and Regenerative Medicine
Oration
by **Dr. Prabha D. Nair** (*SCTIMST, Kerala*)
- 10.00 - 10.30 : **Tea Break**
- 10.30 - 11.00 : **Dr. J.C. Chachques** (*University of Paris, France*)
Topic: Stem Cells and Bio-artificial Myocardium for
Cardiac Support and Regeneration
- 11.00 - 11.30 : **Dr. Samuel J.K. Abraham** (*Yamanashi University-School
of Medicine, Japan, NCRM, Chennai*)
Topic: Our Approach to Cell Therapeutics Using
Hybrid Bio-Materials
- 11.30 - 12.00 : **Dr. Mary Babu** (*CLRI, Chennai*)
Topic: Collagen Based Composite Scaffolds: Application in
Tissue Regeneration
- 12.00 - 12.30 : **Dr. Doris Taylor** (*Center for Cardiovascular Repair,
University of Minnesota, USA*)
Topic: Cells as Prevention, Treatment and Cure
- 12.30 - 13.00 : **Dr. Manoj Mojamdar**
(*Cellular Therapeutic Centre, Bangalore*)
Topic: Tissue Engineering - Problems Associated with
taking forward R & D Products to Pharma Markets
- 13.00 - 14.00 : **Lunch & Poster Presentation**
- Chaired by* : **Dr. Aleem Khan**
Dr. Mary Babu
Dr. M. Balasubramanyam
- 14.00 - 15.00 : Frontier Lifeline Presentation

- 15.00 - 15.15 : **Dr A. Mangala Gowri** (*Veterinary College, Chennai*)
Topic: Isolation of Mesenchymal Stem Cells and Application in Skin Wound Healing
- 15.15 - 15.30 : **Mr. Debasish Mishra** (*IIT, Kharagpur*)
Topic: Development of Novel Macroporous Nano-Bio Composite Osteogenic Matrices for Cell based Bone Tissue Engineering
- 15.30 - 15.45 : **Dr. Neelam Yadav** (*Natl. Inst. of Immunology, New Delhi*)
Topic: Bone Marrow Cells contribute to the Renal Repair from Acute Tubular Epithelial Injury in Mice
- 15.45 - 16.15 : **Tea Break**
- 16.15 - 16.30 : **Dr. Maya Nandkumar** (*SCTIMST, Trivandrum*)
Topic: Type II Alveolar Stem Cell Isolation Differentiation and Survival in Culture
- 16.30 - 16.45 : **Dr. Sujata Mohanty** (*AIIMS, New Delhi*)
Topic: Use of Optimal Enzyme Cocktail for the Derivation of Mesenchymal Stem Cells from Umbilical Cord
- 16.45 - 17.00 : **Dr. Annie John** (*SCTIMST, Trivandrum*)
Topic: Bone Tissue Engineering - Clay to Ceramics to Man
- 17.00 - 18.00 : **Meet The Stalwarts**

Sunday 2nd December - Clinical Application of Regenerative Medicine

- Chaired by* : **Dr. Asok Mukhopadhyay**
Dr. H. N. Madhavan
Dr. Madhu N. Sankar
- 09.00 - 09.30 : **Dr. H. N. Madhavan** (*Sankara Nethralaya, Chennai*)
Topic: Characterization of Corneal Limbal Stem Cells In vitro
- 09.30 - 10.00 : **Dr. Prem Sekar** (*Frontier Lifeline, Chennai*)
Topic: Stem Cell Application in Pediatric Population : The FLL Experience
- 10.00 - 10.30 : **Dr. M. Balasubramanyam**
(*Madras Diabetes Research Foundation, Chennai*)
Topic: Stem Cells, Diabetes and Regenerative Medicine
- 10.30 - 11.00 : **Tea Break**
- 11.00 - 11.30 : **Dr. Geeta K. Vemuganti**
(*L.V. Prasad Eye Institute, Hyderabad*)
Topic: Progress and Promise of Stem Cell Research in Ophthalmology
- 11.30 - 12.00 : **Dr. S. Arumugam** (*Sri Ramachandra University, Chennai*)
Topic: Tissue Engineering based Therapy for Articular Cartilage Defects - A New Approach
- 12.00 - 12.30 : **Dr. S.R. Subrammanian** (*Vijaya Hospital, Chennai*)
Topic: Our experience in treating Ischemic Ulcer of a Lower Limb in four diabetic patients with Autologous Bone Marrow Stem Cells
- 12.30 - 13.00 : **Dr. Deepak K. L. Gowda** (*Apollo Hospital, Bangalore*)
Topic: Advances in Wound Management
- 13.00 - 13.30 : **Dr. John W. Kirklin 2nd Memorial Oration**
by **Dr. M. K. Bhan**
(*Secretary, Dept. of Biotechnology, Govt. of India*)
- 13.30 - 14.00 : Prize Distribution
Vote of Thanks
followed by **Lunch**



Frontier Conclave 2007
**International Conference on Stem Cell,
Tissue Engineering and Regenerative Medicine**

DELEGATES REGISTRATION FORM

Name.....
Address.....
.....
Institute/Company & Designation.....
City.....State/Province.....
Country.....Postal code.....
Phone.....Mobile.....
Fax.....E-mail.....

**Last Date for Abstract Submission for Poster and Oral Presentation:
30th September, 2007**

Registration Details

	National	International
Early registration on or before 31 st October 2007:	Rs. 3000/-	US \$ 200/-
Late / Spot registration:	Rs. 3500/-	US \$ 220/-
Student *:	Rs. 1500/-	US \$ 100/-

*Student registration to be validated with a current student ID card

Payment information:

Fees (registration) may be paid by pay order/demand draft in favor of "Frontier Lifeline Pvt. Ltd." Cash payment will only be accepted during spot registration.

Cancellation policy

If communication for cancellation is received before or on 1st November 2007, the fee (less administrative expenses) will be refunded. Cancellation beyond this date will depend upon the discretion of the organizing committee.

For enquiries, please contact

Mr. Maran, Exec. Secy
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*Proposed National Medical Science Park
(Artist's impression)*

at

Elavur - Edoor Village,

Tamil Nadu

First Project of Frontier Lifeline

&

Dr. K.M. Cherian Heart Foundation

★★★

Frontier Conclave 2007

Dr. K.M. Cherian
President

Dr. Soma Guhathakurta
Chief Co-Ordinator