

# SCRFI

STEM CELL  
RESEARCH  
FORUM OF  
INDIA

• NETWORK • SHARE • EVOLVE



## 2nd ANNUAL MEETING

STEM CELLS: BASICS TO CLINICS

OCTOBER 27-29, 2010  
BANGALORE, INDIA



SCRFI annual meeting is one of the pre-eminent International stem cell meeting of India for stem cell professional, scientists, academicians, government officials, Industry and public. 30 eminent scientists will be delivering their recent update on stem cells research. Purpose of this meeting is to interface and harmonize stem cell biologists and clinicians within and outside the country to develop a multi-disciplinary network and long-term collaboration. This annual meeting will offer a platform for all the scientists around the globe to interact and share their views and progress in stem cells research. We hope that this event will be a useful forum to discuss stem cell research in more detail.

### INVITED SPEAKERS

- D. BALASUBRAMANIAN, INDIA
- SHARMILA BAPAT, INDIA
- ANIL BANSALI, INDIA
- RICHARD BURT, USA
- ARNOLD CAPLAN, USA
- FRANCESCO DAZZI, UK
- JYOTSNA DHAWAN, INDIA
- G.GANGENAHALLI, INDIA
- ANAND HARDIKAR, AUSTRALIA
- JAMES JACKSON, INDIA
- C C KARTHA, INDIA
- JANE LEBKOWSKI, USA
- ROBERT MAYS, USA
- WILLIAM MATSUI, USA
- K.P. MOHANAKUMAR, INDIA
- ASOK MUKHOPADHYAY, INDIA
- PRABHA NAIR, INDIA
- MAHENDRA RAO, USA
- ANNAPOORNI RANGARAJAN, INDIA
- MARCELO RIVOLTA, UK
- WILLIAM TELFORD, USA
- ROBERT THOMAS, UK
- SATISH TOTEY, INDIA
- PAUL VERMA, AUSTRALIA
- N.K. VENKATARAMANA, INDIA
- GEETA VEMUGANTI, INDIA
- CHIA LIN WEI, SINGAPORE

**ABSTRACT SUBMISSION: 30TH AUGUST, 2010**

[abstract@scrfi.in](mailto:abstract@scrfi.in)

**REGISTRATION : 15TH SEPTEMBER, 2010**

[registration@scrfi.in](mailto:registration@scrfi.in)

**For further information :**

[info@scrfi.in](mailto:info@scrfi.in)

### VENUE:

**BGS AUDITORIUM,**

BGS-GLOBAL HOSPITAL CAMPUS, BGS-HEALTH & EDUCATION CITY, #67, UTTARAHALLI ROAD, KENGERI, BANGALORE-560060

### CONFERENCE SECRETARIAT

**ANSA RESEARCH FOUNDATION**

#560, 1ST FLOOR, 9TH "A" MAIN, INDIRANAGAR, BANGALORE-560038



**2ND ANUAL MEETING OF STEM CELL RESEARCH FORUM OF INDIA  
8-11 FEBRUARY, 2011**

**TENTATIVE PROGRAM**

**DAY 1 – Tues, Feb 8<sup>th</sup>, 2011**

8.00-9.00	<b>Registration</b>	
9.00-9.05	Welcome	
<b>KEY NOTE LECTURES CHAIR: AVINASH BHISEY</b>		
9.05-10.30	Key Note Lecture: Stem Cell Research In India: Current Perspective	<b>D. Balasubramanian, India</b>
	Key note Lecture: Derivation of human oligodendrocytes from hESC: Journey from Basic research to the clinics	<b>Jane Lebkowski, USA</b>
10.30-11.00	TEA	
<b>PLENARY SESSION-I: EMBRYONIC STEM CELL DIFFERENTIATION CHAIR: MITRADAS PANICKER</b>		
11.00-13.15	EGFP-transgenic ES- - Cells: regulation of cardiac differentiation	<b>Polani Seshagiri, India</b>
	MicroRNA regulation during pancreatic differentiation	<b>Anand Hardikar, Australia</b>
	ESC derived neural progenitors for differentiation into retinal cells	<b>James Jackson, India</b>
	Embryonic like stem cells from Testicular Tissue	<b>Deepa Bhartiya India</b>
13.15-14.00	LUNCH	
<b>PLENARY SESSION-II : INDUCED PLURIPOTENT STEM CELLS CHAIR: JYOTSNA DHAWAN</b>		
14.00-15.45	iPSC technology: Present challenges and future prospects	<b>Paul Verma Australia</b>
	Modeling rare blood diseases using iPSC	<b>Suneet Agarwal, USA</b>
	Disease Specific iPSC for disease modeling in Alzheimer Disease	<b>Kuldip Sidhu, Australia</b>
<b>SELECTED ABSTRACT PRESENTATION CHAIR- DEEPA BHARTIYA/ PAWAN KUMAR GUPTA</b>		
15.45-17.30	Inducing pluripotency in somatic cells from the snow leopard ( <i>Panthera uncia</i> ) an endangered field	<b>Ranjneesh Verma Australia</b>
	Evaluating differentiation propensity of in house derived human embryonic stem cells lines KIND-1, KIND-2	<b>Punam Nagvenkar India</b>
	Derivation and characterization of induced pluripotent stem cells	<b>Indumathi Mariappan India</b>
	Human Ribonuclease Eosinophil Cationic Protein: Understanding the Mechanism of its Various Biological Actions by Genetic Engineering Approach	<b>Anubha Singh India</b>
	feeder free self renewal of buffalo embryonic stem cells on synthetic surfaces	<b>Taru Sharma India</b>
17.30-18.00	TEA & POSTER VIEWING	
<b>INAUGURAL SESSION</b>		
18.00-19.30	Remembering Dr. T.C. Anand Kumar	
	Welcome Address: Dr. Satish Totey	
	Presidential Address: Prof. D. Balasubramanian	
	Inaugural Address: Dr. V.M. Katoch, D.G. ICMR, New Delhi	
19.00 onward	<b>Inaugural Dinner</b>	

**END OF THE DAY ONE**

## DAY 2 – Wed, Feb 9<sup>th</sup>, 2011

<b>PLENARY SESSION-III</b> <b>ADULT STEM CELLS: BIOLOGY, IMMUNOMODULATION AND REGULATION</b> <b>SESSION CHAIRPERSON: SS AGARWAL/ ALOK SRIVASTAVA</b>		
08.30-09.30	<b>Key note Lecture:</b> Mesenchymal stem cells and immune response	<b>Francesco Dazzi,</b> UK
09.30-10.40	Role of cytokines in immune regulation in mesenchymal stem cells	<b>Jyoti Prasanna,</b> India
	Muscle satellite stem cells: Regulation and Function	<b>Jyotsna Dhawan,</b> India
10.40-11.15	<b>TEA BREAK</b>	
11.15-13.00	Human auditory stem cells: Potential for regeneration	<b>Marcelo Rivolta,</b> UK
	Role of microenvironment during hematopoietic stem cell differentiation	<b>Gurudatta Gangenahalli,</b> India
	Bone marrow differentiation to hepatocytes	<b>Asok Mukhopadhyay,</b> India
13.00-14.00	<b>LUNCH</b>	
<b>PLENARY SESSION-IV</b> <b>ADULT STEM CELLS AND CANCER STEM CELLS</b> <b>SESSION CHAIRPERSON: DR.SUDHIR KRISHNA</b>		
14.00- 15.45	Role of Scaffolds in Stem Cells	<b>Prabha Nair,</b> India
	Studying Ovarian Tumor Biology using Cancer Stem Cell Model Systems	<b>Sharmila Bapat,</b> India
	Mammary tumor cells and their role in cancer progression	<b>Anu Rangarajan</b> India
15.45-16.15	<b>TEA AND POSTER VIEWING</b>	
<b>SELECTED ABSTRACT PRESENTATION</b> <b>CHAIR: APARNA KHANNA/ ANAND HARDIKAR</b>		
16.15-18.15	Chemokine SDF-1 mediated bone regeneration using biodegradable poly (DL-lactide-co-glycolide) 3D-scaffolds and Mesenchymal Stromal Cells from Cancer patients	<b>Jyoti Kode, India</b>
	Phenotypic correction of murine Hemophilia A by bone marrow derived liver cells	<b>Neelam Yadav, India</b>
	Immunomodulatory properties of human adipose tissue derived mesenchymal stem cells: Role of soluble factors	<b>Swathi Sunder Raj, India</b>
	Efficient Labelling of Mesenchymal Stem Cell with Iron Oxide Nano Particle for <i>in vivo</i> Tracking.	<b>Sujatha Mohanty, India</b>
	Trophic factors secreted by human umbilical cord derived mesenchymal stem cells induced differentiation and neurite extension of motor neurons	<b>Jamuna R. Subramaniam</b> India

**END OF THE DAY 2**

## DAY 3 – Thu, Feb 10<sup>th</sup>, 2011

<b>PLENARY SESSION-V</b> <b>COMMERCIAL DEVELOPMENT OPPORTUNITY AND CLINICAL APPLICATION</b> <b>CHAIR: ALKA SHARMA/ CHANDRA VISHWANATHAN</b>		
08.30-10.45	Large scale manufacturing of therapeutic stem cells	<b>Robert J. Thomas,</b> UK
	Commercialization and Market potential of stem cell therapies	<b>Mahendra Rao,</b> USA
	Clinical Trial in Type-I Diabetes: Brazilian Experience	<b>JulioVoltarelli,</b> Brazil
	Robust scalable, CGMP compliant non-viral approach to engineer cellular function as platform for enhancing the potency of cell therapy products for oncology and regenerative medicine application	<b>Madhusudan Peshwa</b> USA
10.45-11.15	<b>TEA BREAK</b>	
11.15-13.00	Selection, Expansion and Characterization of candidate therapeutics cells	<b>John Dunne</b> USA
	Regulatory Challenges in conducting stem cell clinical trial in India	<b>B.N. Manohar</b> India
	UKNSCN	<b>Ben Sykes</b> UK
13.00-14.00	<b>LUNCH</b>	
<b>PLENARY SESSION-VI</b> <b>REGULATORY AND SOCIAL IMPACT OF STEM CELL THERAPY</b> <b>CHAIR: TS RAO / GEETA JOTWANI</b>		
14.00-16.15	Stem Cell and Social Science	<b>Narayan Gopalan</b> UK
	Stem Cell Regulation: UK perspective	<b>Christine O'Toole</b> UK
	Stem Cell Regulation: Indian perspective	<b>Geeta Jotwani</b> India
	Stem cell and social impact	<b>Aditya Bhardwaj</b> UK
16.15-16.30	<b>TEA AND POSTER VIEWING</b>	
16.30-19.30	<b>INDO-UK SESSION OF ACADEMIC-INDUSTRY INTERACTION: PANEL DISCUSSION</b>	
		<b>BY INVITATION ONLY</b>

**END OF THE DAY 3**

**DAY 4 – Fri, Feb 11<sup>th</sup>, 2011**

<b>PLENARY SESSION-VII                      THERAPEUTIC APPLICATION OF STEM CELLS                      CHAIR: SONIYA NITYANAD/-----</b>		
8.30-10.45	Commercialization of unique mesenchymal progenitor cells to regenerate and repair bone, cartilage, and cardiovascular tissues	<b>Silviu Itescu,</b> Australia
	Stem Cell treat multiple sclerosis	<b>Richard Burt,</b> USA
	Type-II diabetes clinical trial using bone marrow hematopoietic stem cells: The PGI experience	<b>Anil Bhansali</b> India
	Umbilical cord blood stem cells for Inherited Metabolic Disorders	<b>Vinod Prasad</b> USA
10.45-11.00	<b>TEA &amp; NETWORKING</b>	
11.00-12.15	Role of Mesenchymal stem cells from limbal stroma	<b>Geeta Vemuganti,</b> India
	Evaluation of clinical efficacy of fetal allogenic progenitor cells transplantation in treatment of chronic limb ischemia The Results of the Clinical Trials	<b>Oleksandr Kukharchuk,</b> Ukrain
12.15-13.15	<b>AWARD CEREMONY AND CONCLUDING REMARKS</b>	
13.15-14.15	<b>LUNCH</b>	
	<b>END OF THE MEETING</b>	