

**NACO STEM CELL - 2014**

# **NATIONAL CONFERENCE**

**On 4<sup>th</sup> and 5<sup>th</sup> February 2014**

**Theme: "Stem Cell Biology and the Era of Regenerative Medicine"**



आरोग्यम् सुख सम्पदा



**Organised by:  
The Department of Anatomy  
All India Institute of Medical Sciences (AIIMS)  
Raipur - 492099 - CG**

To,

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**Chief Patron**

**Dr. Prof. Nitin M. Nagarkar**

Director AIIMS Raipur

**Organising Chairman**

**Dr. D. K. Sharma**

Additional Professor and Head Anatomy

Phone: 09425513234

Email: dhyanesh.sharma@gmail.com

**Organising Secretary**

**Dr. Konuri Vijaya Kumar**

Associate Professor Anatomy

Phone: 09406106154

Email: vkkonuri@gmail.com



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**Organised by : The Department of Anatomy  
All India Institute of Medical Sciences (AIIMS), Raipur - 492099 - (CG)**



### **Chief Patron**

**Dr. Prof. Nitin M. Nagarkar**  
Director AIIMS Raipur

### **Patron**

**Dr. S. P. Dhaneria**  
Dean AIIMS Raipur

### **Advisory Board:**

Dr. D. K. Sharma  
Dr. T.N. Mehrotra  
Dr. A. Dani  
Mr. N. Sharma

Dr. C. K. Shukla  
Dr. Balbir Singh  
Dr. R. K. Zargar  
Dr. P. K. Neema

Dr. K. Vijaya Kumar  
Dr. P. K. Patra  
Prof. B. Ram Reddy  
Prof. KRS Sambasiva Rao

### **Organising Committee:**

#### **Organising Chairman**

**Dr. D. K. Sharma**  
Additional Professor and Head Anatomy  
Phone: 09425513234  
Email: dhyanesh.sharma@gmail.com

#### **Organising Secretary**

**Dr. Konuri Vijaya Kumar**  
Associate Professor Anatomy  
Phone: 09406106154  
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#### **Co-organizing Secretaries**

**Dr. Soumitra Trivedi**  
Assistant Professor Anatomy  
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#### **Treasurers**

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Assistant Professor Anatomy  
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#### **Dr. Mrithunjay Rathore**

Assistant Professor Anatomy  
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#### **Dr. Manisha B. Sinha**

Assistant Professor Anatomy  
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### **Scientific Committee:**

Dr. R. Sinha  
Dr. M. M. Ruikar  
Dr. S. Agrawal  
Dr. A. C. Agrawal

Dr. E. Mohapatra  
Dr. M. Sinha  
Dr. K. Chavali  
Dr. N. K. Bodhey

Dr. A. Bhargawa  
Dr. A. Galhotra  
Dr. D. Mohanty  
Dr. N. Hussain

### **Registration cum Reception, Decoration, Kit, Certificate:**

Dr. Soumitra Trivedi

Dr. Manisha B. Sinha

Dr. A. U. Siddiqui

### **Travel Cum / Accommodation:**

Dr. A. U. Siddiqui

Dr. Soumitra Trivedi

Dr. Mrithunjay Rathore

### **Catering Committee:**

Dr. Mrithunjay Rathore

Dr. A. U. Siddiqui

Dr. Soumitra Trivedi

**Dear Friends,**

On behalf of our organising committee and All India Institute of Medical Sciences (AIIMS) Raipur, we extend a warm invitation to NACO STEM CELL a National Conference on ' Stem Cell Biology and the Era of Regenerative Medicine' on February 4<sup>th</sup> and 5<sup>th</sup> 2014.

The problems of infections and nutritional deficiencies are solved to a large extent, even though new and at times perplexing problems crop up. The problem of genetic and neurological diseases is mostly limited to diagnosis, counselling and symptomatic relief in traditional medicine. The advent of recombinant DNA technology made profound breakthroughs in this scenario. The possibility that the DNA compliment of an individual can be modified, has opened up unlimited opportunities in the armamentarium of the researcher as well as the clinician. The cell and tissue culture techniques have given us a platform to work in the human scenario. Bone marrow transplantation is already well established in clinical practice for some disorders of the blood that could otherwise be impossible to manage.

As we know '**Stem cells**', the basic cells of our body can develop and differentiate into any type of cells and are thus called as progenitor or generative or mother cells. They migrate to injured areas in the body and get transplanted and transform themselves into new tissue cells and replace the damaged ones. They have the capacity to multiply and renew themselves almost indefinitely. Stem cells can form the nerve cells, muscle cells and blood cells which cannot multiply themselves and have limited lifespan. The **Stem Cell Therapy** is now being applied worldwide as **Regenerative Medicine** to treat incurable diseases like Cerebral palsy, Brain hemorrhage & stroke, Spinal cord injury & Paraplegia, Autism, Parkinsonism, Motor neuron disease, Muscular dystrophy, Liver diseases, Huntington's disease, Chronic kidney diseases, Myocardial infarction, Optic neuritis & Corneal lesions, Multiple sclerosis, Cerebellar & Friedrich ataxia, Aplastic anemia etc. up to some extent with encouraging results.

The isolation of stem cells in almost all organs and tissues has opened up new insights in to the possibility of regenerating damaged organs. Fracture union is in fact being performed by stem cells lying dormant in all the bones. So is the case of healing of wounds particularly those of the skin. Corneal regeneration with limbal stem cells has become a routine practice in many centres in India and post infarction myocardial regeneration is being tried in many centres with significant success. Reports that a few hopeless cases of fulminant hepatic failure can be salvaged with fetal hepatocytes, are generated for the first time, not from western countries but from India.

The possibility that embryonic and fetal stem cells can be maintained in an undifferentiated state for many generations, if not indefinitely has brought immense hope and also much hype about the possibility of three dimensional reconstruction of organs and the journey towards histogenesis and organogenesis. The possibility of transferring the technology from bench to bedside is now becoming a reality that is not far away.

Objectives and Significance of this Conference are to provide a common platform for the researchers and students to discuss the latest developments in Regenerative Medicine and a forum for interaction with experts. We hereby present an opportunity to the faculty and particularly to the budding doctors to hear and discuss with the leading personalities in this field about the pros and cons, hopes and limitations, dos and don'ts.

Broad areas of focus

- **Stem cell Biology and Culture Technology**
- **Cord blood Stem cells and their advantages**
- **Tissue Engineering & Regeneration**
- **Bone marrow transplantation**
- **Stem cells and Gene Therapy**
- **Stem cells and Autoimmune diseases**
- **Cytokines and colony stimulating factors**
- **Other related areas**

Please feel free to contact with the Chairman or the Secretary of Organising Committee for any query.  
Looking forward for your participation...



**Dr. D. K. Sharma**  
**Organising Chairman**  
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**Director AIIMS Raipur**



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## **Our Intellectual and Eminent Guest Speakers:**

**On 04.02.2014:**

1. <b>Dr. K. S. Ratnakar</b> , Director Global Hospital Hyderabad <a href="#">Key note address</a>
2. <b>Dr. Ashok Mukhopadhyay</b> , Institute of Immunology, New Delhi <a href="#">Bone marrow stem cells in damaged liver</a>
3. <b>Dr. Deepa Bhartiya</b> , Scientist-E, Stem cell Biology, Nati. Insti. for Research in Reproductive Health, Mumbai <a href="#">Pleuripotent stem cells in adult body tissues</a>
4. <b>Dr. Nibedita Lenka</b> , Scientist NCCS, Pune <a href="#">Developmental enigma and the therapeutic prospects of stem cells</a>
5. <b>Dr. Madhu Sankar Nainar</b> , Chief Cardiothoracic Surgeon Apollo Hospital Chennai <a href="#">Stem cell in cardiovascular therapy</a>
6. <b>Dr. Navin Khattry</b> , Oncologist Tata Memorial Hospital Mumbai <a href="#">Status of hematopoietic stem cell transplant in India</a>
7. <b>Dr. Sujata Mohanty</b> , HOD Stem Cell Unit AIIMS New Delhi <a href="#">Exploring the translational potential of Mesenchymal stem cells</a>

**On 05.02.2014**

8. <b>Dr. Geetha Vemuganti</b> , Dean Medical Sciences, University of Hyderabad <a href="#">Stem cells in corneal regeneration</a>
9. <b>Dr. Manoj Majumdar</b> , Secretary Society for Regenerative Medicine Bangalore <a href="#">Stem cells in damaged skin</a>
10. <b>Dr. BJ Rao</b> , Head Biological Sciences TIFR Mumbai <a href="#">Scope and clinical applications of stem cells</a>
11. <b>Dr. Rama Shankar Verma</b> , Professor in Biotechnology IIT Chennai <a href="#">Guidelines in stem cell research</a>
12. <b>Dr. SGA Rao</b> , President Society for regenerative Medicine Bangalore <a href="#">Are adult tissue specific stem cells viable option for treating degenerative diseases?</a>
13. <b>Dr. KRS Sambasiva Rao</b> , Professor Biotechnology Acharya Nagarjuna University, Guntur <a href="#">Avenues and limitations in stem cell research</a>
14. <b>Dr. Samuel Abraham</b> , Director Yamahashi University and Centre for regenerative Medicine <a href="#">Japan: Current cell based therapies and future potentials of regenerative medicine</a>
15. <b>Dr. P. K. Patra</b> , Professor Biochemistry Pt. J.N.M. Medical College Raipur <a href="#">Stem cells in chronic non-healing ulcer</a>

### **Instruction for the abstract submission:**

The scientific papers on the subject of Stem cells and associated fields are invited for the oral and poster presentations.

\*Covering letter should mention mode of presentation: Oral OR Poster. The author should also state that the paper is original and has not been presented in any other conference or journals.

\*Title and abstract should be in font type Arial, size 12 in Microsoft Office Word 2007 and contents of abstract should not exceed 250 words.

\* Author/s name/s should be mentioned as surname followed by initial. Name of presenting author should be underlined and his/her designation, name of Institution, phone number, email id and complete address should also be mentioned.

**Oral presentation:** 7 minutes time will be allowed with an additional 3 minutes for the discussion. LCD projector will be provided. It is recommended to carry a backup in case the CD/Pen drive is not readable.

**Poster presentation:** The poster size should be 24"x36". Presenting author should be present during poster session for discussion.

**Acceptance of paper:** Only registered delegates shall be eligible for the oral/poster presentation and the scientific committee reserves the right to select or reject the papers for presentation.

**Last date for submission of abstract is 31.12.2013.** The acceptance or rejection of abstract will be intimated up to 08.01.2014.

### **Registration:**

**Last date for Registration is 31.12.2013.**

Registration fee: Participant / Delegate: Rs.2000

Associate Delegate / Spouse: Rs.1600

International Delegate: US\$150

(Registration fee covers conference kit, certification of participation and access to all scientific sessions, exhibition area, breakfast, lunch and dinner on 4th and 5th February 2014)

Accommodation charges: Rs.....according to choice

All payment should be made by the **Demand Draft** through the Nationalised Bank only, Drawn in favour of: **HOD Anatomy AIIMS Raipur** payable at **Bank of India, Tatibandh Raipur CG branch**. Ensure that your name and contact number are endorsed on the reverse of Demand Draft. Finally send (mail) the hard copy of Covering letter, Registration form, DD for requisite fee and Abstract (if applicable) to: '**Organising Committee**' **NACO STEM CELL, Department of Anatomy, AIIMS Raipur - 492099 - CG** and email soft copies of these documents to email id: [hodanatomy.aiimsr@gmail.com](mailto:hodanatomy.aiimsr@gmail.com)

## Registration form

Name:..... Institute: .....  
Sex: ..... Phone: .....  
Age: ..... Email Id: .....  
Designation: ..... Postal address: .....  
Name (s) of accompanying person (s) (including child above 5 years):.....

### Payment details:

Conference registration: Rs. 2000 Demand Draft No.....  
Associate delegate(s): Rs..... Date:.....  
Accommodation charges: Rs..... Amount: Rs.....  
Total: Rs..... Drawn in favour of: **HOD Anatomy AIIMS Raipur**  
Payable at: **Bank of India, Tatibandh Raipur CG branch**

(Cancellation and refund: Cancellation of registration is possible till 10.01.2014. 50% of amount shall be refunded back in the month of March 2014)

## Accommodation:

\*Limited Budget accommodation 2-3-4 bedded rooms @ Rs.1000 per day per person shall be available on purely first come first serve basis subject to availability.

\*It is compulsory to carry a valid photo ID for accommodation in hotels and their rates are liable to change without prior notice. Confirmed Accommodation is strictly subject to receipt of advance payment in full. A number of hotels available other than mentioned below, it would be helpful if you search and book hotels online.

Sr. No.	Name of Hotel	Telephone No.	Distance from venue (km)	Type	A/C single	A/C double
1	Hotel Piccadily	0771-4008500 09907746612	1km	Deluxe	2000	2500
2	Hotel Gagan Palace	0771-4049419, 0771-4037419	1 km	Deluxe	1400	1600
3	Hotel Mayura	0771-2536001,2,3 0771-4030539,40,41	6km	Deluxe	3000	4200
3	Hotel Babylon Inn	09575013888	7km	Deluxe	5000	5500
5	Hotel Aaditya	0771-4032941 09425206411	6km	Deluxe	2200	2500
6	Hotel The Golden Oak	0771-4221444 09039009103	6km	Deluxe	2000	2400
7	Hotel Recharge	9907685593	5km	Deluxe	1200	1400

## Important dates regarding the conference:

<b>Conference:</b>	<b>4<sup>th</sup> and 5<sup>th</sup> February 2014</b>
<b>Last date for Abstract submission:</b>	<b>31st December 2013</b>
<b>Last date for intimation of acceptance or rejection of abstract:</b>	<b>08<sup>th</sup> January 2014</b>
<b>Last date for Registration and Accommodation:</b>	<b>10<sup>th</sup> January 2014</b>
<b>Last date for cancellation of registration by delegates:</b>	<b>10<sup>th</sup> January 2014</b>

### Programme on 04.02.2014:

- \*9.00am to 1.00pm: Inaugural session (Inauguration by the Director, Keynote address by Dr. K. S. Ratnakar, 1st Scientific session with panel discussion.
- \*2.00pm to 5.00pm: 2nd Scientific session with panel discussion.

### Programme on 05.02.2013:

- \*9.00am to 1.00pm: 3rd Scientific session with panel discussion.
- \*2.00pm to 4.00pm: 4th Scientific session with panel discussion.
- \*4.00pm to 5.00pm: Valedictory Function

**Raipur City** is the capital of Chhattisgarh State in central India. It is connected by railway and newly constructed beautiful Swami Vivekanand Airport to Delhi, Mumbai, Kolkata, Chennai, Hyderabad, Bangalore, Bhubaneswar, Ahmadabad, Indore, Bhopal, Jaipur, Jodhpur, Pune and Nagpur etc. The pleasant weather in the month of October has an added attraction to visit places of interest like Guru Ghasidas Museum, Nandanvan, Budha Talab and Swami Vivekanand Garden, Urja Park, International Stadium, Purkhauti Mukhtangan, Vidhan Sabha Bhawan, Shopping Malls and places of interest around Raipur like Sirpur, Barnawapara Sanctuary, Boramdeo, Champaran, Jatmai and Ghatarani.

\*Possibility of getting credit marks by Chhattisgarh Medical council as organizing committee is trying for it.