

**8th International Conference on Stem Cells and Cancer (ICSCC-2023):
Proliferation, Differentiation and Apoptosis
&
8th Research and Innovation Pediatric Surgical Society Conference (RIPSSCON-
IAPS 2023)**

20 – 22 December 2023

Venue: JLN Auditorium, AIIMS, New Delhi, India

Wednesday, 20th December 2023

9:00 am – 10:00 am **Registration**

Pre- CME Assessment

10:00 am – 11:00 am **Scientific Session 1: Inauguration**

Inauguration of the conference by Dignitaries followed by the keynote address

Chief Guest: Prof. D K Gupta, Former Prof & Head, Dept of Pediatric Surgery, AIIMS, New Delhi and Former Vice Chancellor, KGMU, Lucknow

Guest of Honor: Prof. M Srinivas, Director, AIIMS, New Delhi

Special Guest: Dr Geeta Jotwani, Scientist-G, ICMR, New Delhi

Dr S K Sarin (President NAMS), Umesh Kapil (Sec. NAMS) & Dr KK Deepak, NAMS

Dr Sheo Mohan Singh, Director, ICSCCB, New Delhi

Dr Manish Khanna (ISCSG President Online); Madhan Jeyaraman (Jt Sec ISCSG Online)

Dr Ramesh Babu (IAPS President) and Dr Vikesh Agarwal (IAPS Secretary)

Dr Shilpa Sharma (RIPSS Chairman) and Dr Sagar Jawale (RIPSS Secretary)

Dr Alpana Prasad (DAPS Chairman) and Dr Prashant Jain (DAPS Secretary)

Keynote Title: Regulation of Clinical Research for Cellular and Gene Therapy Products in India

Dr. Geeta Jotwani, Scientist G & Head, HRD, ICMR, New Delhi, **India**

11:00 am – 11:25 am **Tea/Coffee Break**

11:30 am – 1:00 pm **Scientific Session 2:**

Chair: Dr. Manoj Joshi, Professor, Dept. of Pediatric Surgery, MGM Medical College, Indore, **India**

& Dr. Chabbi Ranu Gupta, Professor, Dept. of Pediatric Surgery, CNBC, Geeta Colony, Delhi, **India**

Title: Targeting the context dependent dynamic liver microenvironment during hepatocellular carcinoma progression

Dr. Subhrajit Biswas, Director & HoI, Amity Institute of Molecular Medicine and Stem Cell Research (AIMMSCR), Amity University, NOIDA, Uttar Pradesh, **India**

Title: Mesenchymal Stem Cells: Cellular Biology and Advances in Regenerative Medicine

Dr. Sujata Mohanty, Professor, Stem Cell Facility (DBT-Centre of Excellence), AIIMS, New Delhi, **India**

Title: Omental pouch and intrapancreatic Stem cell therapy for type 1 diabetes

Dr. Sagar Jawale, Director, Jawale Hospital, Jalgaon, Maharashtra, **India**

Title: Empowering Precision Medicine with Stem Cells-Derived Organoids

Dr. Deepti Abbey, Assistant Professor, Kusuma School of Biological Sciences, IIT Delhi, New Delhi, **India**

01:00 pm – 02:00 pm **Lunch Break**

02:00 pm – 04:00 pm **Scientific Session 3:**

Chair: Dr. Sujata Mohanty, Professor, Stem Cell Facility, AIIMS, New Delhi, **India**

Title: High Risk Human Papilloma virus Oncoprotein mediated hijacking of PAQOsomes lead to abnormal cervical cancer cell proliferation

Dr. Riyaz Ahmad Mir, Associate Professor, Department of Biochemistry AIIMS, New Delhi, **India**

Title: Beyond Passive Conduit: Tumor Vasculature's Active Role in Glioblastoma Stemness

Dr. Saran Kumar, Assistant Professor, Kusuma School of Biological Sciences, IIT Delhi, New Delhi, **India**

Title: Clinical Application of Stem Cells in Children

Dr. Shilpa Sharma, Professor, Dept. of Pediatric Surgery, AIIMS, New Delhi, **India**

Title: Role of myeloid transcription factors and leukemic fusion proteins in the pathogenesis of leukemic cancers

Dr. Sheo Mohan Singh, Director, International Centre for Stem Cells, Cancer and Biotechnology (ICSCCB), New Delhi, **India**

04:00 pm – 04:25 pm **Tea/Coffee Break**

04:30 pm – 05:30 pm **Scientific Session 4**

Chair: Dr. Sagar Jawale, Director, Jawale Hospital, Jalgaon, Maharashtra, **India**

Title: Donor selection strategies for HSCT

Dr Uma Kanga, Professor, Dept. of Laboratory Medicine, AIIMS, New Delhi, **India**

Title: Induced Pluripotent Stem cells

Dr Arul Selvi, Additional Professor, Dept. of Immunology and Transplantation, AIIMS, New Delhi, **India**

Title: Tale of Exosomes in Cancer: potential diagnostic implications

Dr. Saroj Kumar, Additional professor, Department of Biophysics, AIIMS New Delhi, **India**

Simultaneously on 20 December 2023 in the Conference Hall First Floor (next to Auditorium)

Collaboration Room : Meet the Professors of your areas of interest

12 noon -1 pm Working in the lab : Stem Cell Biology

Dr Sujata Mohanty
Dr Sheo Mohan Singh

2-3 pm Working in the lab : Biophysics , Transplant Immunology and Immunogenetics

Dr Uma Kanga

Dr Saroj Kumar
Dr Hari Prasad
Dr Sharmistha Dey

3-4 pm Clinical Scientists

Dr Shilpa Sharma
Dr Sagar Jawale
Dr. Somesh Gupta
Dr. Ranjit Kumar Sahoo

3.30- 4.30 pm Working in the lab : Pathology , Biochemistry, Molecular biology

Dr Arul Selvi
Dr. Subhrajit Biswas
Dr Riyaz Ahmad Mir

End of the Day's Program

Thursday, 21st December 2023

08:00 am – 09:00 am Registration

09:00 am – 11:00 am **Scientific Session 5:**

Chair: Dr. Ashim Gupta, Professor and Chief Science Officer, South Texas Orthopaedic Research Institute (STORI Inc), Laredo, **TEXAS**

Title: Developmental Megakaryocytopoiesis: A Study on Novel Role of Clinically Significant non-coding RNA in Understanding Neonatal Thrombocytopenia

Dr. Ravi Kumar Gutti, Professor, Dept. of Biochemistry, University of Hyderabad, **India**

Title: Cellular therapy in acute GVHD

Dr. Ranjit Kumar Sahoo, Additional Professor, Dept. of Medical Oncology, IRCH, AIIMS, New Delhi, **India**

Title: Do hair follicles have a role in wound healing?

Dr. Hemlata Jangir, Department of Laboratory Medicine, JPNATC, AIIMS, New Delhi, **India**

Title: Cellular therapies in treating Skin lesions

Dr. Somesh Gupta, Professor, Department of Dermatology, AIIMS, New Delhi, **India**

11:00 am – 11:25 am **Tea/Coffee Break**

11:30 am – 01:00 pm **Scientific Session 6:**

Chair: Dr. Subhrajit Biswas, Director, Amity Institute of Molecular Medicine and Stem Cell Research (AIMMSCR), NOIDA, UP, **India** & **Dr. Madhan Jeyaraman**

Title: Subcutaneous and Intravenous Administration of Human Umbilical Cord Mesenchymal Stem Cells in Patient With Multiple Foot Ulcers Complicated by Scleroderma

Dr. Megha Patel, Asst. Director Medical Services, Vieceell Institute of Regenerative Medicine, Surat, Gujarat, **India**

Title: Peripheral arterial disease

Dr Anita Dhar, Professor, Department of Surgery, AIIMS, New Delhi, **India**

Title: Perinatal stem cell based therapy in Pediatric Surgery

Dr. Sunita Singh, Associate Professor, Dept. of Paediatric Surgery, AIIMS Raebareli, UP, **India**

Title: Lipid based nanocarriers as a Pivotal Delivery Approach in the treatment of breast cancer

Dr. Bharti Mangla, Assistant Professor and Incharge COO, Innovation and Incubation (DIIF) Department of Pharmaceutics, School of Pharmaceutical Sciences, DPSRU, New Delhi, **India**

01:00 pm – 02:00 pm **Lunch Break**

02:00 pm – 04:00 pm **Scientific Session 7:**

Chair: Dr. Venkat Iyer, Professor and Head, Department of Pathology, AIIMS, New Delhi & **Dr. Sasidhar K. Manda**, Chief Scientific Officer, Apollo Hospitals Educational and Research Foundation, Hyderabad, **India**

Title: Diagnostic significance of serum p38 Isoforms (p38 α , p38 β , p38 γ , p38 δ) in Head and Neck Squamous Cell Carcinoma

Dr. Sharmistha Dey, Professor, Department of Biophysics, AIIMS, New Delhi, **India**

Title: Development of Point of Care pharmaco-therapeutic monitoring for dopamine mediated disease states of Parkinson's Disease and Schizophrenia

Dr Hari Prasad, Professor, Department of Biophysics, AIIMS, New Delhi, **India**

Title: Theranostic implications of cancer stem cells in pediatric solid tumors

Dr. Lavleen Singh, Dept of Pathology, AIIMS, New Delhi, **India**

Title: Unlocking Companion Diagnostics in High-Grade Glioma: Exploring the Differential Expression of SOX2, OLIG2, and ZEB1 in Serum-Derived Extracellular Vesicles and Its Role in Mithramycin Sensitivity

Dr. Sasidhar Manda, Chief Scientific Officer, Apollo Hospitals Educational and Research Foundation, Hyderabad, **India**

04:00 pm – 04:25 pm **Tea/Coffee Break**

04:30 pm – 05:30 pm **Poster Presentation Session**

End of the Day's Program

Friday, 22nd December 2023

08:00 am – 09:00 am **Registrations**

09:00 am – 11:00 am **Scientific Session 8:**
Chair: Dr. Karun Jain & Dr. Naveen Jeyaraman

Title: Epigenetics of gastric cancer: Their potential implication as biomarker and therapeutic applications

Prof. Dr. Sanjay Gupta, Epigenetics and Chromatin Biology Group, Gupta Lab., Cancer Research Institute, Advanced Centre for Treatment Research and Education in Cancer, Tata Memorial Centre, Kharghar, Navi Mumbai, **India**

Title: Epigenetic modification in Sfrp1 activates non-canonical Wnt signaling in human skin cancer stem cells

Prof. Dr. Sanjeev K Waghmare, Tata Memorial Centre – Advanced Centre for Treatment, Research and Education in Cancer, Kharghar, Navi Mumbai, Maharashtra, **India**

Title: Role of ANKLE1 in DNA damage and repair

Dr. Rakesh Kumar, Assistant Professor and Coordinator Cancer Research Group, Department of Biotechnology, SMVDU, Katra, India

Title: Potential miRNAs to Re-Sensitize Abemaciclib and Palbociclib Resistant Breast Cancer by Aiming at Stem Cell Transcription Factors

Dr. Binayak Kumar, Assistant Professor, Department of Life Sciences, Sharda School of Basic Sciences and Research, Sharda University, G. Noida, U.P, **India**

11:00 am – 11:25 am **Tea/Coffee Break**

11:30 am – 01:00 pm **Scientific Session 9:**
Chair: Dr. Ravi VR & Dr. Arulkumar Nallakumarasamy

Title: Tumor educated platelets (TEPs) promote metastasis in breast cancer by enhancing the aggressiveness of cancer stem cells

Ms. Aishwarya Guha, Department of Immunoregulation and Immunodiagnostics, Chittaranjan National Cancer Institute, 37 Shyama Prasad Mukherjee Road, Bakul Bagan, Kolkata, **India**

Title: Purinergic P2Y6 receptor antagonists as potential anti-tumour agents

Mr. Khagendra Ghimeray, Neuroinflammation Research Lab, South Asian University, New Delhi, **India**

Title: Identification of Candidate Genes associated with Epithelial Mesenchymal Transition (EMT) in Cervical Cancer: An In silico Study

Ms. Kiran Kumari, Department of Zoology, School of Life sciences, Mahatma Gandhi Central University Bihar (MGCUB), Motihari, **India**

Title: Unlocking the Potential of CA2, CA7, and ITM2C Gene Signatures for Early Detection of Colorectal Cancer: A Comprehensive Analysis of RNA-Seq data by Utilizing Machine Learning Algorithms

Ms. Neha Shree Maurya, Department of Biotechnology, Motilal Nehru National Institute of Technology Allahabad, Prayagraj, **India**

Title: Wedelolactone: A Promising Anticancer and Antioxidant Agent for Gliomas and Hepatomas

Mr. Pradeep Kumar Doneparthi, Department of Molecular Medicine, School of Allied Health care and Sciences, Jain (Deemed to-be) University. Whitefield, Bangalore, **India**

Title: Evaluating the effect of p-Benzoquinone in Guinea pig lung- Deciphering the role of Vitamin-C

Ms. Riya Manna, Department of Biotechnology and Dr. B. C. Guha Centre for Genetic Engineering and Biotechnology, University College of Science, University of Calcutta, Kolkata, **India**

Title: Clinical significance of MMP-2 and MMP-9 in NMIBC and MIBC patients

Mr. Rohit Siddhartha, Department of Biochemistry, University of Lucknow, Lucknow, **India**

Title: Evaluation of the therapeutic potential and the underlying mechanism of green-synthesized vanadium nanoparticles against hepatocellular carcinoma: an in vivo and in vitro approach

Ms. Shreyoshi Guha, Department of Biochemistry and Molecular Biology, Pondicherry University, Puducherry, **India**

Title: Pilot study to examine the diagnostic potential of Beclin1 and p62 in urothelial carcinoma of bladder patients

Ms. Niharika, Department of Biochemistry, University of Lucknow, Lucknow, **India**

01:00 pm – 02:00 pm **Lunch Break**

02:00 pm – 03:30 pm **Scientific Session 10:**

Chair: Dr. Kanchan Mishra, Deputy Director, Surat Raktadan Kendra & Research Centre, Surat (Gujarat), **India**

Title: Combinatorial Therapeutic Approach for Head and Neck Cancer through Targeting Cancer Cells and Tumor Microenvironment

Dr. Dhruv Kumar, Professor & Cluster Head, Allied Health Sciences, School of Health Sciences & Technology, UPES University, Dehradun, **India**

Title: Loss of BAP1 as a biomarker for drug combination exploiting epigenetic vulnerabilities

Dr. Jitendra Badhai, Senior scientist, Division of Molecular Genetics, Netherlands Cancer Institute Amsterdam , **the Netherlands**

Exosomes as Regenerative Frontiers, **Dr Madhan Jeyaraman**

Regenerative products of adipose tissue and Nanofat in cartilage regeneration, **Dr Naveen Jeyaraman**

03:30 pm – 03:55 pm **Tea/Coffee Break**

04:00 pm – 05:00 pm **Valedictory and Award Ceremony**

Program Ends