



DAYANANDA SAGAR UNIVERSITY



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**DAYANANDA SAGAR UNIVERSITY
SCHOOL OF BASIC AND APPLIED SCIENCES**

in association with

DR CHANDRAMMA DAYANANDA SAGAR INSTITUTE OF MEDICAL EDUCATION AND RESEARCH

and

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

invites you to

**NATIONAL CONFERENCE ON INNOVATIVE STRATEGIES FOR
ADVANCING BIOMEDICAL RESEARCH (NCISABR) - 2025**



THEMES

JANUARY 15, 16 & 17, 2025

**TISSUE ENGINEERING &
REGENERATIVE
MEDICINE**

**CANCER
BIOLOGY**

**VACCINE
DEVELOPMENT**

**RARE
DISEASES**

**PERSONALIZED
MEDICINE**

**METABOLIC
DISEASES**

**SUSTAINABLE
TECHNOLOGY**

**MULTI DRUG
RESISTANCE**



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<https://sites.google.com/dsu.edu.in/ncisabr25>



“National Conference on Innovative Strategies for Advancing Biomedical Research”

15-01-2025 to 17-01-2025

School of Basic and Applied Sciences
Dayananda Sagar University
Bengaluru
Karnataka
India

PROGRAMME SCHEDULE

Day 1 – Wednesday, 15 th January 2025		
Venue: CDSIMER Auditorium, Campus-I, Harohalli, Dayananda Sagar University		
Time	Program details	
08:30 – 10.00 am	Registration	
INAUGURAL SESSION		
10:00 -11.30 am	Invocation	: Students of PG (SBAS, DSU)
	Video presentation of Dayananda Sagar University, Bengaluru	
	Welcome address and Overview of the conference	: Dr. Sunil S. More (Dean, SBAS, DSU)
	Lighting of lamp	: Dignitaries on the Dias
	Release of conference proceedings	: Dignitaries on the Dias
	Introduction of the Chief guest	Dr. Susweta Das Associate Professor, SBAS
	Address by Chief Guest	: Prof. Rama Shanker Verma Director, MNNIT Allahabad, Prayagraj U.P.
	Guest of Honour	: Dr. Amit R Bhatt (Vice-Chancellor, DSU)
	Presidential address	: Prof. Janardhan R (Pro Vice-Chancellor, DSU)
	Address by Conference Chair	: Dr. Ashok A C (Director, CDSIMER, DSU and Interdisciplinary Research Center)
	Address by Conference Chair	: Dr. Prashant Kumar M (Principal and Dean, CDSIMER, DSU)
	Felicitations of Chief Guest	
Vote of thanks	: Dr. Vineetha M S (Assistant Professor, DSU)	
11.30 -12.00 m	Tea Break	



PLENARY SESSIONS

12.00-12.45 pm	<p>Keynote speaker Prof. Rama Shanker Verma Director, MNNIT Allahabad, Prayagraj U.P.</p>	<p>Topic: “Improvement of Biomechanical properties of Decellularized Bovine pericardium Towards Development of Heart valve”.</p> <p>Session Chair: Prof. S. Rama Rao Department of Biotechnology and Bioinformatics North-Eastern Hill University, Shillong Meghalaya, India</p> <p>Session Co-chair: Dr. Binsila B Krishnan Scientist, ICAR-NIANP</p>
12.45-01.30 pm	<p>Plenary Talk – 1 Dr. Ranjitsinh Vijaysingh Devkar Maharaja Sayajirao University Baroda</p>	<p>Topic: “Chronodisruption and lifestyle disorder: An enigma of dietary and epigenetic mosaics”.</p> <p>Session Chair: Dr. Ravindranath Aladakatti Principal Research Scientist Indian Institute of Science (IISc) Bengaluru</p> <p>Session Co-chair: Dr. YC Mayur Principal of Pharmaceutical sciences DSU</p>
01.30- 2.30 pm	Lunch Break	
02.30 - 03.15 pm	<p>Plenary Talk – 2 Dr. Reena Singh Principal Investigator InStem, Bangalore</p>	<p>Topic: <i>Developmental Biology, stem cell and Regenerative Medicine for unmet clinical needs in Cardiometabolic Health”.</i></p> <p>Session Chair: Dr. PSP Gupta Principal Scientist Head of Animal physiology division NIANP Bangalore</p> <p>Session Co-chair: Dr. Ranjita Misra Assistant Professor Jain University</p>
03.15-03.30 pm	Tea Break	



03.30-05.00 pm		Oral and Plenary talk (Parallel Sessions)	
03.30-04.15 pm	<p>Plenary Talk – 3 Dr. Nikhil R Gandasi Assistant Professor Developmental Biology and Genetics Indian Institute of Science Bangalore</p>	<p>Topic: <i>“Peeking at single pancreatic islet cells to understand dysregulations in glucose homeostasis during diabetes”.</i></p> <p>Session Chair: Dr. Shivayogeeswar Neelagund Professor Department of Biochemistry Kuvempu University</p> <p>Session Co-chair: Dr. Ashok Kumar Professor RV College of Engineering</p>	
03.30-05.00 pm		Oral Presentation (Parallel Sessions)	
	<p>Session-1 Regenerative medicine</p>	<p>Session-2 Vaccine development</p>	
	<p>Session-3 Cancer Biology</p>	<p>Session-4 Rare Diseases and Sustainable Technology</p>	
	<p>Session-5 Personalized Medicine</p>	<p>Session-6 Metabolic Diseases</p>	



Day 2 –Thursday, 16th January 2025

Venue: CDSIMER Auditorium, Campus-I, Harohalli, Dayananda Sagar University

10:00 -10.45am	<p>Plenary Talk – 4 Prof. Ganesh Nagaraju Professor, Dept of Biochemistry, Indian Institute of Science (IISc)</p>	<p>Topic: “DNA damage response and genetic disease”. Session Chair: GB Manjunatha Reddy Senior Scientist NIVEDI Bangalore Session Co-chair: Dr. Vanaja K Professor College of Pharmaceutical Science Dayananda Sagar University</p>
10.45- 11.30 am	<p>Plenary Talk – 5 Dr. Sudhanshu Shukla Associate Professor Indian Institute of Technology Dharwad</p>	<p>Topic: “Gap Junction Puzzle: Role of GJB3 in cell proliferation and nutrient transport”. Session Chair: Dr. Roopa Reddy Associate Professor, CIIRC Jyothi Institute of technology Session Co-chair: Dr. Ashish Khaparde Research Consultant Narayana Nethralaya, Bangalore</p>
11.30- 12.00 pm	Tea Break	
12.00 -12.45 pm	<p>Plenary Talk – 6 Dr. Syed Musthapa M Principal Scientist & Associate Professor AcSIR Division of Biochemistry CSIR-Central Food Technological Research Institute Mysore</p>	<p>Topic: “Innovative Functional Foods for Modulating Cancer Cell Metabolism and Healthy Gut Microbiome”. Session Chair: Dr. Pushpa Sarkar Dean, School of Health Science, DSU Session Co-chair: Dr. Jagadeesh Bhat Senior Scientific Manger and Business Development Lead Ganga Gen Biotechnologies Bengaluru</p>
12.45 -1.45pm	Lunch Break	



Poster Presentation and Plenary talk (Parallel Sessions)		
1.45-2.30 pm	<p>Plenary Talk – 7 Dr. T. Thanga Mariappan Director, Head, Pharmaceutical Candidate Optimization, Biocon BMS R&D Center, Biocon Bengaluru</p>	<p>Topic: “Fail fast, fail cheap to enable discovery of the right molecule for personalized therapy. a description”.</p> <p>Session Chair: Dr. Harish Prashanth KV Principle Scientist CSIR-CFTIR Mysuru</p> <p>Session Co-chair: Dr. Sachin DH Medical Geneticist and Counsellor Head-Andreson Clinical Genetics Andreson Diagnostics and Labs Chennai</p>
2.30-3.00 pm	Tea break	
3.00-3.45 pm	<p>Plenary Talk – 8 Dr Amit Kumar Jaiswal Associate Professor Vellore Institute of Technology Vellore</p>	<p>Topic: “Development of Tissue Engineered in vitro model for Giant Cell Tumor of Long Bones”</p> <p>Session Chair: Dr. Narendra Reddy Associate Professor CIIRC Jyothi Institute of technology</p> <p>Session Co-chair: Dr. Sharath Babu GR Grow research laboratory Narayana Nethralaya, Narayana health City, Bangalore.</p>
3.00-05.00 pm	Poster Presentation (Parallel Sessions)	
	<p>Session-1 Regenerative medicine</p>	<p>Session-2 Vaccine development</p>
	<p>Session-3 Cancer Biology</p>	<p>Session-5 Personalized Medicine</p>
	<p>Session-4 Rare Diseases and Sustainable Technology</p>	<p>Session-6 Metabolic Diseases</p>



Day 3 – Friday, 17th January 2025

Venue: CDSIMER Auditorium, Campus-I, Harohalli, Dayananda Sagar University

<p>10:00 -10.45am</p>	<p>Plenary Talk – 9 Dr. Devinder Sehgal Staff Scientist VII Molecular Immunology Laboratory National Institute of Immunology Aruna Asaf Ali Marg New Delhi</p>	<p>Topic: <i>Our Foray into Vaccine Research: Exploring New Frontiers in Immunity</i> Session Chair: Dr. KN Balaji Professor Department of microbiology and cell biology Indian Institute of Science Bengaluru Session Co-chair: Dr. Anuroopa M Department of Microbiology Nrupathunga University, Bengaluru</p>
<p>10.45- 11.30 am</p>	<p>Plenary Talk – 10 Dr. Piyush Kumar Gupta Head, Centre for Development of Biomaterials Sharada University, Uttar Pradesh, India</p>	<p>Topic: <i>“Development of sustainable biomaterial for healthcare applications”.</i> Session Chair: Dr. Govindappa Professor Dept. of Botany Davangere University Session Co-chair: Dr. Lokesh P Biocon Bengaluru</p>
<p>11.30- 12.00 pm Tea Break</p>		
<p>12.00 -12.45 pm</p>	<p>Plenary Talk – 11 Dr. Ramesh Sistla Founder and Managing Director Molecular Technologies Pvt. Ltd Bengaluru</p>	<p>Topic: <i>“Integrating discovery and development for realizing personalized medicine”.</i> Session Chair: Dr. Divijendra Natha Reddy Professor BMS College of Engineering Bangalore Session Co-chair: Dr. Saniya Jawed Assistant Professor PES University Bangalore</p>
<p>12.45 -1.45pm Lunch Break</p>		



1.45-2.30pm	<p>Plenary Talk – 12 Dr. Uttara Chakraborty Assistant Professor Manipal Institute of Regenerative Medicine Bengaluru</p>	<p>Topic: “Unity in diversity: Exploring the mesenchymal stem cell heterogeneity with machine learning assisted imaging cytometry”.</p> <p>Session Chair: Dr. Vani R Professor Jain University</p> <p>Session Co-chair: Dr. Paritosh Prashar Co-Founder and CSO Boltzmann Labs</p>
3.30-3.45 pm	Tea Break	
3.45- 5.00 pm- VALEDICTORY SESSION		
Welcome	Organizing Convenor	
Adress by:	Mr. Sathyanarayana BV CEO, DERBI Foundation	
Valedictory Address by Chief Guest:	Dr. U T Vijay Executive Secretary, KSCST	
Presentation of oral & poster awards		
Feedback by Participants		
Vote of Thanks	Dr. Pronama Biswas Assistant Professor	
National Anthem		