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2nd National Conference Indian Society for Precision Medicine and Molecular Medicine

Theme : From Molecular Discoveries to Precision Healthcare.

Organized by :
Department of Biochemistry
AIIMS Jodhpur

In Association with :
ICMR-NIHR Jodhpur and IIT Jodhpur

Conference
11th - 12th September 2026

Venue : Auditorium, AIIMS Jodhpur

SCIENTIFIC PROGRAMME



DAY 1 – FRIDAY, 11 SEPTEMBER 2026

(Venue- AIIMS, Jodhpur)

Time			
7:30– 8:30 AM	REGISTRATION		
8:00 – 9:00 AM	BREAKFAST • Cafeteria		
	LT-1	LT-2	E-Classroom
	Student Oral Presentations		
9:00-10:00 AM	Session 1: Precision Metabolism, Endocrinology & Cardiometabolic Health Chair: Dr. Sojit Tomo Dr. Pankaj Yadav (From OP015 – OP021)	Session 2: Molecular Biomarkers, Inflammation & Translational Medicine Chair: Dr. Rajeev Singh Kushwah Prof. Amita Khiwani Gadho Dr. Kamla Kant Shukla (From OP029– OP034)	Session 3: Emerging Technologies, Precision Diagnostics & Therapeutic Innovation Chair: Prof. Kiran Giri Dr. Maithili Karpaga Selvi Dr. Mohit Jangid (From OP040– OP045)
10:00– 11:00 AM	INAUGURAL CEREMONY - AIIMS Auditorium (Keynote Speaker- Dr. Arindam Maitra, Associate Director & Professor, BRIC-NIBMG, Kalyani) Title: Single-Cell Insights into Population-Specific Immune Regulation: Closing the Ancestry Blind Spot in South Asians Chair: Prof. Praveen Sharma Prof. Rajat Sandhir		
11:00- 11:30 AM	TEA BREAK		
	LT-1	LT-2	E-Classroom
	Invited Speakers Lecture		
11:30 – 12:45 PM	Session I Foundations, Genomics & Standards in Precision Medicine Chair: Prof. Praveen Sharma Prof. Sanjeev Misra Prof. Pankaj Bhardwaj Speakers: 1) Prof. Venkatesh Thuppil <i>(St. John's Medical College, Bengaluru)</i> “Importance of precision medicine and molecular medicine in one health”	Session II Cancer Biomarkers & Diagnostics Chair: Prof. Mithu Banerjee Prof. Jeevan Ram Bishnoi Dr. Shailendra Dwivedi Speakers: 1) Prof. Gitanjali Goyal <i>(AIIMS Bhatinda)</i> “Biomarkers for disease risk stratification in carcinoma ovary” 2) Dr. Sanjay Kumar <i>(AIIMS Bhatinda)</i> “Expression Profiling of HypoxamiR Derived from Various Stages of Breast Cancer Patients as a Novel	Session III Neurodegenerative, Protein Misfolding & Age-Related Disorders Chair: Prof. Misnikova Inna Prof. Mitali Mukerji Speakers: 1) Prof. Rajat Sandhir <i>(Panjab University)</i> “Exosome-Mediated Phytochemical Delivery: Strategies to Combat Sporadic Alzheimer's Disease” 2) Dr. Jay Kant Yadav <i>(Central University of Rajasthan)</i> “Age-Related Cataract as a Protein Misfolding Disease: From Crystallin Aggregation to

	2) Dr. B.K. Rana <i>(CEO, Quality & Accreditation Institute)</i> “Standards driving precision healthcare” 3) Prof. Mitali Mukerji <i>(IIT Jodhpur)</i> “Precision Medicine at the Edge of Adaptation: From Dunes to Diagnoses”	Diagnostic and Prognostic Biomarker for Early Detection of Cancer” 3) Dr. Rashmi Rana <i>(GRIPMER)</i> “Clinical Proteomic and Glycoproteomic Integration Reveals LGALS3BP as a Promising Biomarker for Glioma Progression”	Novel Therapeutic Interventions” 3) Dr. Prasenjit Mitra <i>(PGIMER, Chandigarh)</i> “From Molecular Convergence to Precision Psychiatry: Neuroimmune and Extracellular Vesicle Signatures”
Poster Presentation Session (E-Classroom) From 12:45 - 2:00 PM P001 – P060			
12:45 – 2:45 PM	LUNCH BREAK · Cafeteria		
Invited Speakers Lecture			
2:45 – 3:45 PM	Session IV Metabolic Disorders & Endocrinology Chair: Prof. Purvi Purohit Dr. Kamlesh Manohar Palandurkar Prof. Sandhya Mishra Speakers: 1) Prof. Misnikova Inna <i>(Moscow Regional Research and Clinical Institute. Moscow, Russia)</i> “The Role of Identifying Obesity Phenotypes in Personalizing Patient Treatment” 2) Dr. Svetlana Shokur <i>(Moscow Regional Research and Clinical Institute. Moscow, Russia)</i> “Molecular Hydrogen as a Therapeutic Agent in Metabolic Syndrome: Mechanisms and Clinical Perspective”	Session V Precision Oncology — Molecular Targets & Therapeutics Chair: Prof. Puneet Pareek Dr. Dharma Ram Punia Dr. Sanjay Yadav Speakers: 1) Prof. Naveen Vishwakarma <i>(Guru Ghasidas Vishwavidyalaya, Bilaspur)</i> “Targeting the Lactate Axis: A New Frontier in Precision Oncology” 2) Dr. Pramod Kumar <i>(AIIMS Jodhpur)</i> “The evolving role of minimal residual disease (MRD): Advancement till date and future directions”	Session VI Immune Regulation and Cellular Homeostasis in Health and Disease Chair: Prof. Kuldeep Singh Dr. Deepak Kumar Sharma Dr. Neha Jain Speakers: 1) Prof. Sharbari Basu <i>(Jawaharlal Institute of Post Graduate Medical Education and Research)</i> “Bone Health in Men: role of Vitamin B12” 2) Dr. Rupesh K. Srivastava <i>(AIIMS, New Delhi)</i> “Delineating the Autoimmune Nature of Post-Menopausal Osteoporosis”
3:45 PM	DAY 1 SESSIONS CLOSE		
4:00 PM	Gala Dinner (Venue- Rawla Osian Resort)		

DAY 2 – SATURDAY, 12 SEPTEMBER 2026

(Venue- AIIMS, Jodhpur)

Parallel sessions: LT-1 · LT-2 · E-Classroom

Time	LT-1	LT-2	E-Classroom
8:00 – 9:00 AM	BREAKFAST		
Student Oral Presentations			
9:00– 10:00 AM	Session 1: Precision Metabolism, Endocrinology & Cardiometabolic Health Chair: Dr. Suresh Yadav Dr. Vandana Varma (From OP022 – OP028)	Session 2: Molecular Biomarkers, Inflammation & Translational Medicine Chair: Dr. Gopal Krishana Bohra Dr. Bharti Devnani Dr. Pramod Kumar (From OP035 – OP039 & OP053)	Session 3: Emerging Technologies, Precision Diagnostics & Therapeutic Innovation Chair: Prof. Tanuj Kanchan Dr. Heera Ram Dr. Prasenjit Mitra (From OP046 – OP052)
Delegates Oral Presentation			
10:00– 11:00 AM	Session 1 Clinical Biochemistry, Metabolic & Nutritional Health Chair: Prof. Jairam Rawtani Dr. Harshvardhan Singh (From OP001 – OP004) 1) Dr Priyanka Pareek (MGMIHS, Navi Mumbai) “Micronutrients Status of School-Going Adolescent Girls: A Key to Immune Health” 2) Dr. Shailendra Pratap Singh (Central University of Rajasthan) “Role of PGC-1α in the Regulation of Metabolic Syndrome, Diabetes & Cardiovascular Diseases” 3) Malavika L (ESIC Medical College and Hospital, Jaipur) “Dyslipidaemia and Osteoporosis in Women: A possible Connection”	Session 2 Cancer Biology, Immunology & Molecular Oncology Chair: Prof. Sonali Sharma Dr. Akash Bansal (From OP005 – OP008) 1) Dr Shailendra Dwivedi (AIIMS, Gorakhpur) “Systemic Inflammatory Reprogramming Associated with TAP-1/TAP-2 Dysfunction During Oral Carcinogenesis: Integrative Molecular Evidence for an Immune Escape–Inflammation Axis” 2) Dr. D.L. Gupta (AIIMS, Raipur) “miRNA Profiles Associated with Dendritic Cell Dysfunction in Post-Traumatic Sepsis Patients” 3) Chandra Prakash Prasad (AIIMS, New Delhi) “Targeting lactate levels in Triple Negative Breast Cancer presents a promising avenue for therapeutic intervention”	Session 3 Toxicology, Neurodegeneration & Experimental Pharmacology Chair: Prof. Rajat Sandhir Prof. Amit Mishra Prof. Sonal Sogani (From OP009 – OP012) 1) Dr. Heera Ram (Jai Narain Vyas University, Jodhpur) “Intervention of synthesized flavone to subside the diabetes linked neurodegenerations by targeting the key enzymes and candidate genes expression” 2) Dr Manish Kumar Singh (Government medical College Badaun) “Biochemical Impact of the Fruit Extract of Emblica officinalis (Amla) Against Arsenic-Induced Oxidative Damage and Apoptosis in Murine Thymocytes” 3) Dr. Rajendra Kumar Shukla (MSD Autonomous State Medical College & Maharishi Balark Hospitals, Bahraich, Uttar Pradesh)

Time	LT-1	LT-2	E-Classroom
	4) Dr Khushboo Arora <i>(AIIMS, BATHINDA)</i> “Newborn Screening for inborn errors of metabolism and congenital disorders: A two-year Experience from a tertiary care centre in north India”	4) Nobel Bhasin <i>(Formerly, Baylor College of Medicine)</i> “Integrated Multi-Omic Profiling of the Mucosal Microbiome Identifies Functional Drivers of Epithelial Dysregulation in Colitis-Associated Neoplasia”	“Stress Amplifies Lambda-Cyhalothrin Induced Toxicity in Cholinergic Dysfunction: Behavioral Evidence from a Rat Model” 4) Prabhakar Tiwari <i>(AIIMS, New Delhi)</i> “Yoga Remodels Peripheral Immune Activation and Alzheimer’s Disease Biomarker Networks in Mild Alzheimer’s Disease”
11:00 AM-11:30 AM	Tea Break		
11:30 AM- 12:30 AM	Keynote session - Dr Vinay K. Nandicoori (Director, CCMB) (Venue- Mini Auditorium, New Admin Block, AIIMS Jodhpur) Chair: Prof. Sanjeev Misra, Prof. Venkatesh Thuppil		
Invited Speakers Lecture			
12:30– 1:30PM	Session VII Molecular Cell Biology and Infectious Disease Chair: Dr. Ravi S. Gadepalli Dr. Deepak Kumar Sharma Dr. Anurag Sankhyan Speakers: 1) Dr. Vishvanath Tiwari <i>(Central University of Rajasthan)</i> “Targeting MurB and AdeABC Efflux Pump to Reverse Carbapenem Resistance in Acinetobacter baumannii”	Session VIII Molecular Mechanisms and Therapeutic Targeting in Disease Chair: Prof. Arnab Pal Prof. Balasubramaniyan Vairappan Speakers: 1) Prof. Amit Mishra <i>(IIT Jodhpur)</i> “How molecular medicines can restore cellular proteostasis? Therapeutic opportunities and challenges in neurodegeneration and cancer”	Session IX Scientific talk Chair: Dr. Meenakshi Rao Dr. Maithili Karpaga Selvi Speakers: 1) Beckman Coulter Diagnostics “Sepsis: Need for Early Detection and clinical decision support” 2) Raizada Associates for BioRad Q.C. (Er. Rachit) “Importance of Q.C”

Time	LT-1	LT-2	E-Classroom
	2) Dr. Bhawana Bissa (Central University of Rajasthan) "The GABARAPL2-Alix Axis: A Molecular Traffic Controller Driving Reciprocal Homeostasis Between Macroautophagy and Exosome Pathways" 3) Dr. Sasidharan Sreenivasan (Institute for Research in Molecular Medicine (INFORMM) Universiti Sains Malaysia) "Waste to Nano Weapon: Green Carbon Dots from Elaeis guineensis Leaves for Anticancer Applications"	2) Prof. Pankaj Goyal (Central University of Rajasthan) "Deciphering the multifaceted roles of STK35 family" 3) Dr. Anshika Chauhan (PGIMER, Chandigarh) "Circulating Tumour cells: Decoding Recurrence Risk in Oral Cancer"	Poster Presentation Session (E-Classroom) 12:45 – 2:00 PM P061– P0123
1:30 PM– 3:30 PM	LUNCH BREAK · Cafeteria		
3:30 PM	VALEDICTORY CEREMONY- LT 1		

