

**XIV<sup>th</sup> Annual International Conference of  
Indian Academy of Biomedical Sciences ([IABSCON-2026](#))  
Advancements in Research and Technology for Health (ARTH 2026)  
24-26 March, 2026**

Organized by: BITS Pilani, K K Birla Goa Campus & IIT Goa, India



## SCHEDULE

DAY 1 (24<sup>th</sup> MARCH 2026)

**Registrations: 8:30 Onwards**

| Time/Hall                | Session/Chairperson   | Speaker  | Title  |
|--------------------------|---|--|--|
| 9:15-10:15<br>Auditorium |   | Drs. Umesh Kapil, Hari S. Sharma, Suman Kundu, Sadhana Sharma, Abbas Ali Mahdi | <i>Inauguration</i>  |
|                          | Keynote Address<br>(Drs. Suman Kundu, Lindsay Brown)  | Dr. Umesh Kapil, NAMS, Delhi   | <i>Medical Education and Research in India</i>   |
|                          |   | Dr. Shantanu Sengupta, IGIB, Delhi   | <i>Building the Indian Phenome: Longitudinal Multi-Omics Approaches for Precision Risk Prediction</i>                      |
| 10:15-10:30              | <i>TEA BREAK</i>  |  |  |
| 10:30-11:30<br>HALL-A    | Session-1   | Dr. Lindsay Brown, Australia   | <i>Microalgae and Human Health: Improving Nutrition</i>  |
|                          |   | Dr. Indu Verma (PGIMER)  | <i>TBA</i>   |
|                          |   | Dr. Sujata Sharma, AIIMS   | <i>TBA</i>   |
|                          | Session-2<br><b>Chairpersons:</b><br>Dr. Syed Mudassar (Sher-I-Kashmir Institute of Medical Sciences) | Dr. Rabindra Kumar Jena (Utkal Hospital)                                       | <i>TBA</i>   |
|                          |   | Dr. Pradeep Srivastava, TIFAC Delhi  | <i>Bridging the gap between laboratory and the bed side</i>  |
|                          |   | Dr. Jyotdeep Kaur (PGIMER)   | <i>Stage-Specific miRNA Landscapes in Osteoarthritis Implicate miR-4505 and miR-331-3p via ERBB2-Mediated Pathogenesis</i> |

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| HALL-A<br>11:30-13:15 | Symposium-I<br>Chairpersons: Dr. Ragini Singh, Dr. Sagar Dholariya and Dr. Amit Sonkar               | Dr. Subhash Chandra Gupta<br>AIIMS Guwahati<br>Symposium Coordinator                  | Omics-Driven Innovations for the Management of Non-Communicable Diseases   |
|                       |  | Dr. Sagar Dholariya (AIIMS Rajkot)  | <i>Multi-Omics Approaches in Diabetic Kidney Disease: From Molecular Mechanisms to Clinical Translation</i>                          |
|                       |  | Dr. Ashikh Seethy (AIIMS Guwahati)  | <i>Molecular Landscape of Myelodysplastic Neoplasms: Insights from Exome and Transcriptome Analysis</i>                              |
|                       |  | Dr. Amit Sonkar (AIIMS Guwahati)  | <i>From Pathogen Proteome to Therapeutic Targets: Identifying Effector Signatures in Scrub Typhus</i>                                |
|                       |  | Dr. Ragini Singh (AIIMS Rajkot)   | <i>Multi-Omics Biomarkers Approach for Redefining Cardiovascular Risk in T2DM</i>  |
|                       |  | Dr. Subash Chandra Gupta (AIIMS Guwahati)   | <i>Metabolomic and lncRNA-Based Molecular Signatures in the Management of Breast Cancer</i>  |
| Hall-B<br>10:30-11:45 | Symposia-II<br>Chairpersons: Dr. Sadhana Sharma (AIIMS Patna) and Dr. Savita Yadav (AIIMS New Delhi) | Dr. Alpana Sharma (ICMR, New Delhi)-<br>Symposium Coordinator                         | Basic Research to Clinical and Therapeutic Applications  |
|                       |  | Dr. Sadhana Sharma (AIIMS Patna)  | <i>Ex Vivo Expansion of Hematopoietic Stem Cells Via Epigenetic Modifications for the Treatment of Hematological Malignancies</i>    |
|                       |  | Dr. Savita Yadav (AIIMS New Delhi)  | <i>Multimerin-1 at the Crossroad of Ovarian Cancer Progression and Angiogenesis</i>  |
|                       |  | Dr. Medha Rajappa (JIPMER, Puducherry)  | <i>Translational Vitamin D-Pathway Genetic Determinants in the Renal–Bone–Vascular Axis of CKD–Mineral and Bone Disorder</i>         |
|                       |  | Dr. Asmita Patil (AIIMS New Delhi)  | <i>Animal Models in Pollution Studies: Mitigative Role of Antioxidants</i>   |
|                       |  | Dr. Alpana Sharma (ICMR, New Delhi)   | <i>Targeting CCR5 Modulates Treg and Myeloid Derived Suppressor Cells in Early Atherosclerosis: A Potential Therapeutic Strategy</i> |
| HALL-C<br>10:30-13:15 | CME -NAMS  | CME -Hands-on Meta-analysis in Biomedical Sciences: Advancing Evidence-Based Medicine |  |
| HALL-B<br>11:45-13:15 | Symposium-III<br>CHAIRS-TBA  | Coordinator: Dr. Narendra Malhotra  | Advances in the Management of Women Health   |
|                       |  | Dr. Jaideep Malhotra, Ujala Cygnus Rainbow Hospital Agra                              | <i>Microbiome in Women Health</i>  |
|                       |  | Dr. Pati  | <i>Polycystic ovary syndrome Across India: Epidemiology, Clinical Phenotypes and associated</i>                                      |

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|                       |   | Prakash, AIIMS Delhi   | <i>metabolic Disease</i>  |
|                       |   | Dr, Taruna Arora, ICMR Delhi   | <i>Government of India Programs for Women Health<br/>Machine Learning-Based Classification of Polycystic Ovary Syndrome</i>   |
|                       |   | Dr. Narendra Malhotra, Ujala Cygnus Rainbow Hospital Agra                                      | <i>AI in Assisted Reproductive Technology</i>   |
|                       |   | Dr. Ashutosh Halder (AIIMS New Delhi)  | <i>Genetics of Premature Ovarian Failure (POF)</i>  |
| 13:15-14:15           | <b>LUNCH</b>  |  |   |
| HALL-A<br>14:30-15:30 | Symposium -IV<br><br>CHAIR  | Coordinated by Dr. Subhash Chandra, BLK Max, Delhi and Hari S. Sharma, Erasmus MC, Netherlands | <i>Cardiovascular Diseases</i>  |
|                       |   | Dr. Rajasekaran Namakkal-Soorappan, University of Alabama, Birmingham, USA                     | <i>TBA</i>  |
|                       |   | Dr. Subhash Chandra, BLK-Max Hospital, Delhi   | <i>Advances in invasive cardiology</i>  |
|                       |   | Dr. Kamna Srivastava (ACBR DU)   | <i>Role of PCSK9 (Proprotein convertase subtilisin/kexin type 9) in Coronary artery diseases: a case-control study</i>  |
|                       |   | Dr. Hari S Sharma, The Netherlands   | <i>Genomics of Human Heart Failure</i>  |
| HALL-A<br>15:30-16:30 | Session-3<br><br>Chairpersons: Dr. Navneet Kumar (KG Medical University, Lucknow) | Dr. Swadhin Chandra Jana (NCBS)  | <i>Digenic (triallelic) mutations in IFT complexes leads to defective cilia and causes a novel complex ciliopathy phenotype.</i>                                      |
|                       |   | Prof. Utpal Roy (BITS Pilani, Goa Campus)  | <i>TBA</i>  |
|                       |   | Dr. Anil Kumar (NII)   | <i>Towards investigating the anticancer role of gut microbiota-derived metabolites</i>  |
| HALL-B<br>14:30-15:30 | Symposium-V<br><br>Chairperson: Dr. Sukhes Mukherjee                              | Dr Sukhes Mukherjee (AIIMS Bhopal)-Symposium Coordinator                                       | <i>Advances in therapeutics of Breast Cancer</i>  |
|                       |   | Professor Alka Bhatia  | <i>Expanding Horizons in Breast Cancer Therapy: Emerging Targets and Next-Generation Drugs</i>  |
|                       |   | Dr. Sukhes Mukherjee (AIIMS Bhopal)  | <i>Innovative Combinatorial Epirubicin &amp; Bioactive Compound Conjugates Targeting HIF-1<math>\alpha</math>/VEGF/GLUT1 Pathway in Triple-Negative Breast Cancer</i> |

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|   |   | Dr. Priyankar Paira<br>(VIT Vellore)   | <i>Mechanistic Insights of Organometallics in Mitochondria for Cancer Therapy</i> |
| HALL-B<br>15:30-<br>16:30<br><br>Session 3A   | Dr. Avijit Roy<br>Choudhury<br>(Emcure)   | <i>TBA</i>   |   |
| <i>Chairpersons:</i> Dr.<br>H.P.<br>Gurushankara<br>(Central University<br>of Kerala),<br>Prof.<br>Shalini<br>Gupta<br>(KGMU,<br>Lucknow) | Mol Bio<br>Diagnostics Team   | <i>TBA</i>   |   |
|   | Dr. Subathra<br>Radhakrishnan<br>(NFLR, Chennai)                                      | Serum Vibrational Spectroscopy: A Breakthrough Non-Invasive Method for Early Detection of Hepatocellular Carcinoma Progression.                    |   |
| HALL-C<br>14:30-<br>15:30   | CME -Hands-on Meta-analysis in Biomedical Sciences: Advancing Evidence-Based Medicine |  |   |
| <b>15:30-<br/>17:00</b>   | <b><i>Tea Break &amp; POSTER SESSION 1</i></b>  |  |   |
| 17:30-<br>19:00   | IABS<br>Proceedings and<br>Convocation  | Dr. R Chandrashekar (Joint<br>Drugs Controller India), Drs.<br>Taruna Madan, Head of<br>Development Research<br>Division, ICMR<br>& IABS Officials |   |
| 19:00<br>Onwards  | <b><i>Dinner</i></b>  |  |   |

## DAY 2 (25<sup>th</sup> MARCH 2026)

| Time                     | Session   | Speaker  | Title   |   |
|--------------------------|---|--|---|---|
| 9:00-9:40                | Plenary   | Padamshri Dr. Shyam Sundar, IMS, BHU Varanasi                                | Visceral leishmaniasis (Kala-Azar) in India   |   |
| 9:40-10:05               | Keynote   | Dr. Peter van der Spek, Head of Clinical Bioinformatics, Erasmus MCRotterdam | <i>Omics driven technology and Personalized Medicine</i>  |   |
| 10:05-10:30              | Keynote   | Prof. Suman Kundu (BITS Pilani)  | <i>Anti-Sickling Efficacy and Safety of Sailin-HbS: Insights from an Indigenous Ayurvedic Formulation</i>               |   |
| 10:30-11:00              | <b>TEA BREAK</b>  |  |   |   |
| HALL-A<br>11:00-13:15    | Session 4<br>Dr. Swasti Tiwari (Sanjay Gandhi Postgraduate Institute of Medical Sciences) | Dr. Nallur B. Ramachandra (University of Mysore)                             | <i>Integrated multiomics approaches for identification of pathogenic variants involved in Autism Spectrum Disorders</i> |   |
|                          |   | Dr. Mahuya Sengupta (IIT Goa)  | <i>Gold Nanorod Functionalization Directs Macrophage Polarization and Fibrosarcoma Suppression</i>                      |   |
|                          |   | Dr. Kaleem Ahmad, KGMU, Lucknow  | <i>microRNA signatures in prostate cancer: Molecular perspective and clinical relevance</i>                             |   |
|                          |   | Dr. Ashok Kumar, IIT Kanpur  | <i>Innovative Therapeutic Platform for minimally invasive management of chronic fatty liver disease</i>                 |   |
|                          |   | Dr. Deshratan Asthana, USA   |   |   |
|                          | Session -Dr. Rajeev Goyal (Lady Hardinge Medical College, New Delhi)                      | Dr. Jhimli Bhattacharyya (NIT Nagaland)                                      | <i>TBA</i>  |   |
|                          |   | Dr. Benu Brata Das (IACS, Kolkata)   | <i>TBA</i>  |   |
|                          |   | Dr. Rajdeep Chowdhury (BITS Pilani, Pilani Campus)                           | <i>TBA</i>  |   |
|                          | HALL-B<br>11:00-13:15   | Symposium-VII  | Dr. B. S. Shankaranarayana Rao (NIMHANS)  | <i>Novel Strategies to Treat Depression-induced Abnormal Functional Plasticity and Cognitive Deficits</i> |
|                          |   |  | Dr. Michele Morari, Italy   | <i>Modelling Parkinson's Disease in LRRK2 mice</i>  |
| Prof. Rajat Sandhir (PU) |   |  | <i>Exosomes as potential drug delivery system in neurodegenerative disorders</i>  |   |
| Dr. Anil Chauhan, USA    |   |  | <i>Stroke: Novel mechanisms and future therapies for improving cerebroprotection</i>                                    |   |
|                          |   | Dr. Pankaj Seth, NBRC, Manesar   | <i>Human brain organoids as models for understanding virus induced neurodegeneration</i>                                |   |
|                          |   | Poonam Thakur, IISER, Thiruvananthapuram                                     | <i>Metabolic disturbances in Parkinson's disease: Brain and beyond</i>  |   |
|                          |   | Akash Gautam, University of Hyderabad  | <i>Linking diabetes to cognitive decline: Evidence for a role of the brain renin-angiotensin system</i>                 |   |
|                          |   | Dr. Vijay Tiwari, Denmark  | <i>From code to cure: deciphering gene regulation in neurological diseases</i>  |   |

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|   | HALL-C<br>Symposium-<br>VI<br><br>Chairperson:<br>Dr<br>Manaswini<br>Mangaraj<br>and Dr<br>Rachita<br>Nanda | Coordinator- Dr Manaswini Mangaraj (AIIMS Bhubaneswar)<br>(AIIMS Raipur)  | Non Communicable Diseases   |
|   |   | Dr. Prakruti Dash (AIIMS BBSR)  | <i>Biomarker Networks in Preeclampsia: Linking Immune Dysregulation, Tubuloglomerular Injury, and Endothelial Dysfunction for Early Renal Risk Stratification</i>                   |
|   |   | Dr. Suprava Patel (AIIMS Raipur)  | <i>Unravelling the Determining Factors of Chronic Kidney Disease of Unknown Etiology (CKDu): The Hidden Danger in Farming Communities</i>   |
|   |   | Dr. Kahkasha (AIIMS Deogarh)  | <i>Persistent Circulating Tumor DNA Defines a Molecularly High-Risk Phenotype in Locally Advanced Oral Squamous Cell Carcinoma</i>  |
|   |   | Dr. Sukhes Mukherjee (AIIMS Bhopal)   | <i>Multi-Target Modulation of SNCA, PARK7, and SLC2A1: An Integrated In Silico and In Vitro Evaluation in Parkinson's Disease</i>   |
|   |   | Dr. Rachita Nanda (AIIMS Raipur)  | <i>Development of a Score for Early Identification of Diabetic Peripheral Neuropathy Using Endothelial Biomarkers</i>   |
|   |   | Dr. Manaswini Mangaraj (AIIMS Bhubaneswar)  | <i>Exploring the Association of Anti-Thyroid Peroxidase Antibody Level with Metabolic Alterations and Renal Function in Elderly Hypothyroid Cases: A Gender-Based Introspection</i> |
| HALL-D<br>Symposia 6<br><br>Chair-Dr.<br>Lilly Ganju<br>(Index<br>Group of<br>Institutions,<br>Malwanchal<br>University,<br>Indore, MP) | Coordinator- Dr. Ashok Kumar (AIIMS Bhopal)   | Cancer Biomarkers   |   |
|   | Prof. Ashok Kumar (AIIMS Bhopal)  | <i>SIP Metabolizing Enzymes as Cancer Prognostic Biomarkers and Therapeutic Targets</i>   |   |
|   | Dr. Lokendra Sharma (SGPGIMS Lucknow)   | <i>Reprogramming the Powerhouse: Harnessing Mitochondrial Control in Breast Cancer</i>  |   |
|   | Prof. Biswadip Banerji (IICB)   | <i>Development of Potent PARP-1 Inhibitors Targeting Glioma Through DNA Damage &amp; ROS Generation</i>   |   |
|   | Prof. Rashmi Chowdhary (AIIMS Bhopal)   | <i>A Pilot Study to Evaluate a Mass Screening Device Using Multiple Biomarkers for Premalignant Cervical Lesions: A Step Towards the Cervical Cancer Elimination Goal</i> |   |
| 13:15-14:15   | Lunch   |   |   |
| 14:30-15:30   | Symposium<br>Coordinated<br>by Dr.  | Prof. Pankaj Seth (NBRC)  | <i>Novel Insights into Zika and SARS-CoV2 Virus-Induced Neuropathogenesis Using 2D and 3D Models of Human Neural Stem Cells</i>   |

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|  | Jagdeesh Bayry  | Dr. Jagdeesh Bayry, IIT Palakkad                         | <i>Auto antibodies and immune system</i>  |
|  |   | Dr. Sushmita Jha, IIT Jodhpur                            | <i>Unraveling inflammation and immunity in 3D: patients organoids in precision medicine</i>   |
|  |   | Dr. Taruna Madan, ICMR                                   | <i>tba</i>  |
|  |   | Dr. Deshratan Asthana, USA                               | <i>Activation and exhaustion in HIV infected patients</i>   |
|  | Session 5<br>Chairperson:<br>Dr. Ritu Gupta (AIIMS, Delhi); Dr. Sharmistha Dey (AIIMS, Delhi)   | Dr. Swathi Sudhakar, IIT, Chennai                        | <i>Bio-Innovations in Materials and Regenerative Engineering: Translational Strategies from Nano-Systems to Smart Scaffolds</i>                   |
|  |   | Dr. Snigdha Singh  | <i>Nano Materials in human Cancer</i>   |
|  |   | Dr. Soma M Ghorai (Delhi University)                     | <i>Does the novel chimeric endolysin CHAPk-SH3bk represent a promising antibiofilm agent against methicillin-resistant Staphylococcus aureus?</i> |
|  |   | Dr. D K Acharya (Gandhinagar University)                 | <i>PHA in Biomedical Engineering: Microbial Bioprocessing, Challenges, and Emerging Opportunities</i>   |
|  | Session 5A  | TBA  |   |
|  | Prof. Najmul Islam (JN Medical College, AMU, Aligarh), Dr. Ajay Kumar Verma (Dr. Ram Manohar Lohia Institute of Medical Sciences, Gomti Nagar, Lucknow) | Prof. Syed Shadab Raza (Era University)                  | <i>NLRP3 Inflammasome Drives SOD2 Acetylation and Oxidative Stress Independent of Sirtuin Signaling in Ischemic Stroke</i>                        |
|  |   | Prof Dinesh Mani Tripathi (ILBS)                         | <i>ERK5-YAP/TAZ Dysregulation in Endothelial Dysfunction caused by induced OxLDL and MASLD</i>  |
|  | <b>Symposia-VI</b><br><br><b>Chairperson : Eli Mohapatra</b>  | Dr. Eli Mohapatra (AIIMS Raipur) – Symposium Coordinator | <i>Artificial Intelligence in Healthcare</i>  |
|  |   | Dr. Vibha Vikas Sakhare (AIIMS Raipur)                   | <i>Translational Research: Bridging Basic Science Discoveries to Clinical Applications</i>  |
|  |   | Dr. Ashwini Katole (AIIMS Raipur)                        | <i>Artificial Intelligence and Digital Technologies in Modern Healthcare</i>  |
|  |   | Dr. Abhijit Prasad (AIIMS Raipur)                        | <i>Advanced Diagnostics and Precision Medicine: Redefining Patient Care</i>   |
|  |   | Dr. Eli Mohapatra (AIIMS Raipur)                         | <i>Future Ready Healthcare: Ethics, Policy, and Sustainable Health Innovations</i>  |
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| 15:30-17:00 | <b>TEA BREAK AND POSTERS</b>  |  |   |
| 17:00-18:30 | <p>Session 6A</p> <p>Chair-Dr. Monica Sundd (National Institute of Immunology, NII) &amp; Dr. Rajeev Goyal (Lady Hardinge Medical College, New Delhi)</p>                             | Dhanashree Vijayrao Bomle (DYPBBI, Pune)         | <i>Metabopsy of Inherited Metabolic Disorders (IMDs): Discard to Diagnosis Approaches</i>   |
|             |   | Dr. Anandakumar Pandi (AIIMS Deoghar)            | <i>Carvacrol Suppresses Benzo(a)pyrene-Induced Lung Tumorigenesis by Regulating Cell Proliferation and Apoptosis in Mice</i>  |
|             |   | Aman Singh (NIT, Raipur)                         | <i>In-silico identification of pore-forming toxin inhibitors to mitigate Escherichia coli- associated sepsis</i>  |
|             |   | Dr. Ashok Kumar Ahirwar (AIIMS, Delhi)           | <i>Total Laboratory Automation: Transforming Clinical Laboratories through Integrated, Intelligent, and Standardized Workflows</i>  |
|             |   | Kiran Ramakant Gore (IIT, Kharagpur)             | <i>Engineering Controlled Destabilization: The "Magic Methyl" Effect in RNAi Enhancement</i>  |
|             |   | Shilpa M (Tumkur University)                     | <i>Papain, a cysteine protease, degrades insulin-induced amyloid aggregation: Insights from in vitro and in vivo studies</i>  |
|             |   | Pagadala Vijaya Narasimha (University of Mysore) |   |
| 17:00-18:30 | <p>Session 6B</p> <p>Chairpersons : Dr. Shubham Atal (AIIMS, Bhopal), Dr. Harsh Vardhan Singh (North Delhi Municipal Corporation Medical College &amp; Hindu Rao Hospital, Delhi)</p> | Sakshi Jaiswal (University of Allahabad)         | <i>Appetite modulator Quercetin enhances antioxidant defence and neuroprotection in induced aging Rat model</i>   |
|             |   | Adrija Saha (DSU, Bangalore)                     | <i>Dual Phyto-Enzyme Strategy: Combination of nano-encapsulated Eugenol and Alginate Lyase Combat Pseudomonas aeruginosa via Antibacterial Activity, Preventing Biofilm Formation, and Disrupting Mature Biofilms</i> |
|             |   | Deena. K (Bharathiar University)                 | <i>Neurotoxicity effect of 2.4 GHz Electromagnetic Radiation on inducing oxidative stress causing Parkinson Disease: An in vitro study using SH-SY5Y cell line</i>  |
|             |   | Kajal Yadav (University of Delhi)                | <i>Polydopamine-Based Surface Modification of Hemoglobin Particles for Enhanced Antioxidant Properties and Reduced Heme Release in Oxygen Carriers</i>  |
|             |   | Naveen Kumar Singh (IIT, Delhi)                  | <i>From Selection to Sensing: One-Step Aptamer Selection and Continuous Stress Monitoring</i>   |
|             |   | Arti Sunil Ghatge (D.Y. Patil Education Society) | <i>Ketoconazole and Zingerone Synergistically Inhibit Candida albicans Growth and Virulence Factors</i>   |
|             |   | Saraswathi N (MAHE)                              | <i>Enhancing CSF Leak Detection: A Computational Pipeline for Epitope Mapping Towards Translational Diagnostics</i>   |

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| <p>Session 6C</p> <p>Chairpersons<br/>: Dr. G. Kalaiselvan (AIIMS, Mangalagiri, Guntur, Andhra Pradesh), Dr. Vijay Kumar Kutala (Nizam's Institute of Medical Sciences, Punjagutta, Hyderabad, India)</p> | <p>Dr. M. Janaki Ramaiah (VIT Vellore)</p>             | <p><i>Functional importance of Camptothecin and Sotorasib , DPPIV inhibitors in PDAC cancer apoptosis</i></p>   |
|   | <p>Dr Gokul Aravind A (AIIMS, Bhopal)</p>              | <p><i>Prevalence of DPYD Alleles and their Association with Fluoropyrimidines Toxicity: A Pilot Pharmacogenetic Study in Gastrointestinal Cancer Patients in Central India</i></p>                |
|   | <p>Dr. Subathra Radhakrishnan (NFLR, Chennai)</p>      | <p><i>Hypoxia Rewires Adult Stem Cell Identity toward Functional Dopaminergic Neurons through Coordinated Secretome and Signaling Remodeling</i></p>  |
|   | <p>Sakshi Kumari (AIIMS, New Delhi)</p>                | <p><i>Diagnostic Potential of FOXO3a in Alzheimer's Disease: Evidence from Serum-Based Analysis</i></p>   |
|   | <p>Abhinay Kumar Singh (AIIMS, New Delhi)</p>          | <p><i>Development of a novel inhibitor of Rac1, for the prevention of breast cancer progression and metastasis</i></p>  |
|   | <p>Dr Yogita M Shide (MGM Medical College)</p>         | <p><i>Correlation of Rheumatoid Arthritis (RA) Factor and Anti-CCP (Anti-Cyclic Citrullinated Peptide) Antibody in Patients of Rheumatoid Arthritis</i></p>                                       |
|   | <p>Monika Nandkumar Chavan (KIMS, Karad)</p>           | <p><i>Evaluation of Lipid Profile, High Sensitivity C-Reactive Protein (Hs-CRP), and Homocysteine in Premature Acute Myocardial Infarction: A Cross-Sectional Study.</i></p>                      |
| <p>Session 6D</p> <p>Chair- TBA</p>   | <p>Vaishnavi Amare (MGM Medical College)</p>           | <p><i>Study Of Metabolic Risk Factors Contributing to Metabolic Dysfunction-Associated Steatotic Liver Disease (MASLD) With and Without Diabetes.</i></p>   |
|   | <p>Komal Prakash Patel (MGM Medical College)</p>       | <p><i>Study of Pancreatic Biomarkers in patients of Prediabetes and Type 2 Diabetes Mellitus</i></p>  |
|   | <p>Shabana Begam Mohd Sultan (MGM Medical College)</p> | <p><i>To study comparison of accuracy of spot urine protein/creatinine ration with 24-hour urine protein estimation in assessing degree of proteinuria in chronic kidney disease patient.</i></p> |
|   | <p>Sunanda Arya (DIPAS, DRDO)</p>                      | <p><i>Comparative Genomics Signatures of Venous Thromboembolism Across Altitudinal Extremes</i></p>   |
|   | <p>Amit G Kulkarni (SDM University, Dharwad)</p>       | <p><i>An In Silico Quest: Validating the Cardioprotective Efficacy of CQA Against the Hypoxia and Hyperglycemia stressors</i></p>   |
|   | <p>Sneha Shree (IISER, Bhopal)</p>                     | <p><i>Review - Nature's Pharmacy: Aloe Vera for the fight against Tuberculosis</i></p>  |
|   | <p>Divya Sasidharan (Amrita Vishwa Vidyapeetham)</p>   | <p><i>Artificial Intelligence in Transformative Mental Healthcare Research</i></p>  |

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| 19:00<br>Onwards | Dinner   |  |  |

### DAY 3 (26<sup>th</sup> MARCH 2026)

| Time       | Session       | Speaker   | Title  |
|------------|---------------|---|--|
| 9:00-11:00 | Session<br>7A | Prof. Abbas Ali Mahdi (Era University)<br>Dr. Farzana Mahdi, Era University | <i>Layered well-being: A blueprint for holistic health ecosystem</i>   |
|            |               | Dr. Sucheta Dandekar, Era University  | <i>Conflict management and human health</i>  |
|            |               | Dr. Gurushankara HP, Central University, Kasaragod                          | <i>Genetic Landscape on origin of down syndrome-associated acute lymphoblastic leukemia</i>  |
|            |               | Dr Raghvendra Vidua (AIIMS Bhopal)  | <i>Forensic Medicine: Resolving unsolved mysteries through Biomedical Sciences</i>   |
|            |               | Dr. Nirbhai Singh (PGIMER, Chandigarh)                                      | <i>Biomarker-Guided Precision Therapy in Diabetic Macular Edema: Predicting Anti-VEGF Therapeutic Response and Non-Response</i>  |
|            |               | Khushboo Gulati (L.V.Prasad Eye Institute, Hyderabad)                       | <i>Decoding metabolic rewiring in retinoblastoma using NMR-based serum metabolomics</i>  |
|            |               | Dr Neha Jaiswal (Index Medical College, Indore)                             | <i>1) N-acetylcysteine intervention in fluoride-induced developmental neurotoxicity: experimental evidence for translational application<br/>2)potential association of sickle cell disease genotypes (ss, as, sβ thalassemia) with abo blood groups: in Indian population</i> |
|            | Session<br>7B | Dr Murali Dharan Bashyam (BRIC-CDFD, Hyderabad)                             | <i>Two decades of cancer genomics: Chromatin Remodelers to Gene fusions to novel discoveries</i>   |
|            |               | Prof. Ramendra Pati Pandey (DY Patil, Pune)                                 | <i>Chagas disease cardiomyopathy &amp; immunopathology: therapeutic efficacy of a drug combination</i>   |
|            |               | Aaliya Shah (SKIMS MCH)   | <i>Research through the eyes of medical students</i>   |

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|            |  | Nandeesh H (JIPMER)  | <i>Interleukin-10 gene polymorphism in schizophrenia and its relation with diseases severity and cognitive dysfunction</i>   |
|            |  | Gauri Baburao Kadam (MGM Medical College)  | <i>Study of serum calcium, vitamin D3 and vitamin B12 in backache patients</i>   |
| Session 7C |  | Dr Mayank Singh (AIIMS New Delhi)  | <i>Ubiquitin specific peptidase 37 (USP37) facilitate Replication stress tolerance to promote prostate cancer oncogenesis.</i>                                       |
|            |  | Dr Vivek Mishra (AIIMS Gorakhpur)  |  |
|            |  | Dr Jagdish Goyal (AIIMS Jodhpur)   |  |
|            |  | Dr Jairam Meena (IIT, BHU)   | <i>Artificial Intelligence inspired multi-epitope vaccine against Streptococcus pneumoniae for broader serotype coverage</i>   |
|            |  | Dr Yogita M Shide (MGM Medical College)  | <i>Study of Amylin and Inflammatory Markers in Diabetic Coronary Artery Disease</i>  |
|            |  | TBA  |  |
| Session 7D |  | Dr. Amit Singh (IISc Bangalore)  |  |
|            |  | Prof. Dharendra S. Katti (IIT Goa)   |  |
|            |  | Dr. Gyanendra Kumar Sonkar (KG Medical University, Lucknow)  | <i>Molecular analysis of gstm1 gene polymorphism in chronic myeloid leukemia patients: an age-wise study</i>   |
|            |  | Dr. Chandra Praksh Chaturvedi (Sanjay Gandhi Postgraduate Institute of Medical Sciences Raebareli Road, Lucknow) | <i>Cellular and Acellular Approaches in Cardiac Repair: Comparative Assessment of c-Kit<sup>+</sup> Amniotic Fluid Mesenchymal Stem Cells versus Their Secretome</i> |
|            |  | Dr. Ashwini Jayant Kale (DY Patil)   | <i>Mechanistic Exploration of Natural Bioactives and Repurposed Drugs in Combating Candida albicans Infections</i>   |
|            |  | Dr Yogendra Raj Singh (AIIMS Raebareli)  |  |
|            |  | TBA  |  |

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| 9:30-10:30; | Symposia<br>7 | Coordinator- Prof. Meenakshi Tiwari (KGMU Lucknow)                                  | Neurological Disorders-From Mechanisms to Medicines in Neurological Disorders   |
|             |               | Dr. Jyotirmoy Banerjee (AIIMS New Delhi)  | <i>Regulation of Altered Synaptic Transmission by Semaphorin in Temporal Lobe Epilepsy (TLE)</i>  |
|             |               | Dr. Aparna Dixit (University of Delhi)  | <i>Targeting HDAC6 Restores Peroxiredoxin-1 Acetylation and Attenuates Oxidative Stress-Driven Seizures in Focal Cortical Dysplasia</i>           |
|             |               | Dr. Alok Kumar ( Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow) | <i>Injury-Specific Neuroinflammatory Trajectories Converge on Impaired Resolution: Implications for Brain Repair and Therapeutic Intervention</i> |
|             |               | Dr. Meenakshi Tiwari ( King George's Medical University, Lucknow)                   | <i>From MTHFR Genotype to Taurine Deficiency: A Metabolic Axis in Neurodegeneration</i>   |
|             |               | Dr. Shashank Kumar Maurya – (University of Delhi)                                   | <i>Alteration in Molecular Dynamics in Microglial Signature Genes Leads to Neuroinflammation in Mice</i>  |

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|             |                  | Dr. Prem Tripathi (CSIR- Indian Institute of Chemical Biology, Kolkata)                   | <i>Hippocampal Neurogenesis</i>   |
| 9:30-10:30  | Symposia 8       | Coordinator- Prof.Sanjay Yadav<br>Proposed Chair: Dr Yogendra Raj Singh (AIIMS Raebareli) | Advancing Human Health and Physiology By Understanding Mechanistic Toxicology and Endocrinology |
|             |                  | Dr Madhukar Mittal (AIIMS Raebareli)  | <i>Vitamin D from deficiency to toxicity: changing spectrum in modern pill-popping era</i>      |
|             |                  | Prof.Sanjay Yadav (AIIMS Raebareli)   | <i>Role and regulation of extracellular microRNAs in neurodegeneration</i>                      |
|             |                  | Dr. Vijay Sonkar (BHU)  | <i>Role of Neutrophil extracellular traps in pathogenesis of venous thromboembolism.</i>        |
| 11:00-11:15 | TEA BREAK        |   |   |
| 11:30-12:15 | Poster Pitch     |   |   |
| 12:15-1:30  | Panel Discussion |   |   |
|             | Valedictory      |   |   |



