

आई.सी.एम.आर. - राष्ट्रीय प्रजनन एवं बाल स्वास्थ्य अनुसंधान संस्थान

जहांगिर मेरवानजी पथ, मुंबई - 400012

Scientific Advisory Committee Meeting

17th & 18th November, 2025

Chairperson: Dr. Neerja Bhatla

Tentative Agenda

Day - 1		17 th November, 2025
Opening Session (<i>Rapporteurs: Dr. Prabhjeet Kaur & Dr. Hrishikesh Munshi</i>)		
10.00 am - 10.05 am	Welcome Address	Dr. Geetanjali Sachdeva
10.05 am - 10.15 am	Opening Remarks	Dr. Neerja Bhatla, Chairperson
10.15 am - 10.25 am	Opening Remarks	Dr. Aparna Mukherjee, Head, RCN Division, ICMR Hqr
10.25 am - 10.30 am	Confirmation of SAC 2024 Minutes & Pre-SAC Minutes 2025	
10.30 am - 11.00 am	Director's Report	Dr. Geetanjali Sachdeva
11.00 am - 11.15 am	General Discussion	
Scientific Presentations (Ongoing projects) Women's Health (<i>Rapporteurs: Dr. Ranjan Kumar Prusty & Dr. Antara Banerjee</i>)		
11.20 am - 11.35 am	Facilitators and Barriers to Implement Preconception Care Services through Public Health System in Maharashtra	Dr. Beena Joshi
11.40 am - 11.55 am	Decoding Endometriosis in Indian Women: Clinical, Genomic, and Reproductive Insights	Dr. Rahul Gajbhiye
12.00 pm - 12.15 pm	Exploring Serum Exosomal miRNAs as Predictive Biomarker for Endometriosis (<i>Online</i>)	Dr. Dhanjit Das
12.20 pm - 12.35 pm	Investigating Metabolic Syndrome Pathophysiology through Integrative Approaches	Dr. Susan Thomas
<i>(Rapporteurs: Dr. Kushaan Khambata & Dr. Dhanashree Jagtap)</i>		
12.40 pm - 12.55 pm	Deciphering the Functional Significance of Genes Associated with PCOS Identified from Network Analysis	Dr. Shiny Joseph
01.00 pm - 01.15 pm	Investigating Maternally Inherited Mitochondrial DNA Variants in PCOS Pathophysiology	Dr. Pallavi Shukla

01.20 pm - 01.35 pm	Iron-regulatory Pathways and Ferroptosis Resistance in Ovarian Cancer cells: Proteomic Insights from Extracellular Vesicles	Dr. Bhakti Pathak
01.40 pm - 02.15 pm	Lunch Break	
02.15 pm - 02.30 pm	Understanding the Role of TLR and TLR Associated Signaling Pathways in Triple-Negative Breast Cancer	Dr. Nupur Mukherjee
02.35 pm - 02.50 pm	Status, Barriers and Facilitators in the Screening, Diagnosis and Treatment Initiation for Oral, Breast and Cervical Cancer within the NP-NCD Program in Palghar, Maharashtra' from the NHRP Common Cancer Study	Dr. Ranjan Kumar Prusty
02.55 pm - 03.10 pm	Accelerating Efforts to END TB in India- Multi Centric Study	Ms. Bhavya M. K.
Technology Development and Validation <i>(Rapporteurs: Dr. Dipty Singh & Dr. Krishna Itta)</i>		
03.15 pm - 03.30 pm	Developing Placenta-on-Chip Models for Preclinical Monitoring of Drug Safety in Pregnancy	Dr. Deepak Modi
03.35 pm - 03.50 pm	Understanding the Etiology of Central Precocious Puberty and Developing an Indigenous Assay for its Diagnosis	Dr. Antara Banerjee
03.55 pm - 04.10 pm	Development of a Point-of-Care Electrochemical Biosensor for the Estimation of Autoantibodies for Antiphospholipid Syndrome	Dr. Kumari Nishi
04.15 pm - 04.30 pm	Evaluation of Synergistic Impact of Oral Nano-curcumin and Alpha-Linolenic Acid on Maternal and Fetal Health in Rat Model of Preeclampsia	Dr. Vikas Dighe
04.35 pm - 04.50 pm	Utility of Estimating Serum PSP94 Levels in Management of Patients with Raised PSA in Clinical Setting: A Multi-Centric Study	Dr. Dhanashree Jagtap
04.55 pm - 05.10 pm	Community-Based Screening for Hemoglobinopathies among Children from Talasari Block in Palghar District	Dr. Kiran Munne

Day - 2**18th November, 2025****Maternal Health***(Rapporteurs: Dr. Nupur Mukherjee & Dr. Kiran Munne)*

10.00 am - 10.15 am	Strengthening Maternal and Perinatal Death Surveillance and Response (MPDSR) Action in Tribal Blocks of Palghar District in Maharashtra	Dr. Ragini Kulkarni
10.20 am - 10.35 am	Increasing Access to Postpartum Contraception by Linking Family Planning and Infant Vaccination Services	Dr. Shahina Begum
10.40 am - 10.55 am	Pancreatic Beta Cell Dysfunctions and Phenotypes of Gestational Diabetes Mellitus	Dr. Uddhav Chaudhari
11.00 am - 11.15 am	Persistence of Maternal SARS-CoV-2 Immunity: Insights from the Lactation Period	Dr. Vikrant Bhor
11.20 am - 11.35 am	Molecular Analysis of HLA-G in Pregnant Tribal Women and Its Role in Infectious Etiologies Modulating Intrauterine Inflammation - A Prospective Cohort Study	Dr. Krishna Itta

Infertility*(Rapporteurs: Dr. Shaini Joseph & Dr. Pallavi Shukla)*

11.40 am - 11.55 am	Estrogen Receptors: Regulating Sperm Epigenome and Beyond	Dr. Kushaan Khambata
12.00 pm - 12.15 pm	Implications of Gonadotropin and Their Receptor Gene Variants in Male Infertility	Dr. Periyasamy Kuppusamy
12.20 pm - 12.35 pm	Unravelling the Sperm Epigenetic Landscape in Infertile Men with Clinical Varicocele	Dr. Dipty Singh

Infections and Genetics*(Rapporteurs: Dr. Kumari Nishi & Dr. Dhanashree Jagtap)*

12.40 pm - 12.55 pm	Determining the Genetic Etiology in Cases with Fetal Malformations and Pediatric Disorders	Dr. Shailesh Pande
01.00 pm - 01.15 pm	Protective Immune Signatures Associated with Latent TB Infection in PLHIV - Insights from an Integrative Prospective Immune Monitoring Study	Dr. Vainav Patel
01.20 pm - 01.50 pm	General Discussion	All Members
01.50 pm - 02.00 pm	Concluding Remarks	Chairperson
02.00 pm - 02.05 pm	Vote of Thanks	Dr. Geetanjali Sachdeva
02.05 pm - 02.45 pm	Lunch	

