

PROGRAMME SCHEDULE FOR 3RD ARUMDA SYMPOSIUM (01/08/2025-02/08/2025)

Day 1 - 01/08/2025		
Time	Speaker	Topic
9.45 - 10.10	Prof. Jayaram Chengalur, Director, TIFR Prof. M. Krishnamurthy, Center Director, TIFRH	Opening Remarks
10.10 - 10.40	Prof. Ullas Kolthur & Prof. Mahendra Sonawane, ARUMDA Coordinators	
10.45 - 11.15	TEA/COFFEE BREAK	
SESSION 1 - BASIC BIOLOGY (Chair: Shyam D. Nair)		
11.20 - 11.40	Dr. Prosenjit Mandal (IISER Berhampur)	TBA
11.50 - 12.10	Dr. Tandrika Chattopadhyay (DRILS)	Dietary regulation of hepatic tissue resident macrophage biology
12.20 - 12.40	Mr. Harender Yadav (IIT Kanpur)	Inhibition of Gi signaling in macrophages reverses metabolic dysfunction in obesity driven type 2 diabetes
12.50 - 13.10	Dr. Anjusha Basker (ICMR-NIN)	Deciphering the impact of maternal deficiencies of protein and folic acid in critical windows of embryonic development in mice
13.15 - 14.15	LUNCH	
SESSION 2 - CLINICAL & TRANSLATIONAL BIOLOGY (Chair: Birsen Yilmaz)		
14.20 - 14.40	Prof. Molly Jacob (CMC Vellore)	Placental iron homeostasis is affected by maternal iron deficiency in early pregnancy, with possible compromise of fetal iron status
14.50 - 15.10	Ms. Indra Kundu (ICMR-NIRRH)	MetSKB – A curated knowledgebase for decoding pathophysiology and guiding precision treatment of metabolic syndrome
15.20 - 15.40	Dr. Karthikeyan Ramanujam (ICMR-NIN)	Interplay of diet, nutritional status, and psychological well-being in mild cognitive impairment among urban elders in Hyderabad, India
15.50 - 16.10	Dr. Venkatesh K (ICMR-NIN)	Comparative analysis of body composition, physiology, and gut microbial characteristics of elite Indian endurance and resistance athletes
16.15 - 16.30	TEA/COFFEE BREAK	
16.35 - 16.55	UNICEF Team	TBA
SESSION 3 - BASIC BIOLOGY II (Chair: Rahul Alag)		
17.00 - 17.20	Dr. Jogender Singh (IISER Mohali)	Iron-deplete diet enhances <i>Caenorhabditis elegans</i> lifespan via oxidative stress response pathways
17.25 - 17.45	Dr. Sudipta Tung (Ashoka University)	Dissecting diet-Induced plasticity and adaptation of physiology and metabolism in <i>Drosophila melanogaster</i>
END OF DAY 1		

Day 2 - 02/08/2025		
Time	Speaker	Topic
09.30 - 11.00	ARUMDA Scientific Advisory Board Meeting (for board members only) Poster Session (for participants)	The Poster Session will be held in the <i>Atrium (ground floor)</i> .
11.00 - 11.30	TEA/COFFEE BREAK	
SESSION 1 - BASIC BIOLOGY (Chair: Saptarnab Ganguly)		
11.30 - 11.50	Dr. Mahendra Bishnoi (BRIC-NABI)	Role of sympathetic and sensory innervations in menthol induced brown adipose tissue activation
12.00 - 12.20	Dr. Antara A. Banerjee (ICMR-NIRRH)	Evidence for human kisspeptin receptor homo-oligomerization and its functional relevance
12.30 - 12.50	Dr. Aneeshkumar A.G. (NII)	Role of vitamin D during weaning
13.00 - 14.00	LUNCH	
SESSION 2 - CLINICAL & TRANSLATIONAL BIOLOGY (Chair: Srishti Priya)		
14.05 - 14.25	Dr. Felix Jebasingh (CMC Vellore)	Results from the body composition study in normoglycemic individuals at CMC Vellore
14.35 - 14.55	Dervan Team (BKL Walawalkar Rural Hospital)	Results from the body composition study in normoglycemic individuals at Dervan
15.05 - 15.25	Dr. Debarati Mukherjee (PHFI-CDLR)	Strengthening Lifecourse Research to Advance Health Equity in India: The Vision and Initiatives of the PHFI Centre for Developmental and Lifecourse Research (PHFI-CDLR)
15.35 - 15.55	Mohammed Kaleem Ullah (JSS Academy)	Ambient PM2.5 Exposure and Dietary Risk Factors for Adolescent Stunting and Thinness in Urban India
16.00 - 16.15	TEA/COFFEE BREAK	
SESSION 3 - METABOLOMICS AND BIOMARKERS (Chair: Ch Balaji)		
16.25 - 16.45	Dr. Kanthi Kiran Kondepudi (NABI)	Synbiotics for overcoming diet-induced metabolic alterations: A pre-clinical study
16.55 - 17.15	Mandya Venkateshmurthy Greeshma (JSS Academy)	Antioxidant imbalance across nutritional phenotypes in urban Indian adolescents: Insights from the APEAL Study
17.25 - 17.45	Aakash Chandramouli (IISER Pune)	Mapping metabolic pathways of cholesteryl esters during oxidative stress
17.50 - 18.00	Prof. Ullas Kolthur & Prof. Mahendra Sonawane, ARUMDA Coordinators	Closing Remarks