Department of Applied Mechanics and Biomedical Engineering, IIT Madras, Chennai 600036
Frontiers in Nanomedicine and Space Biology: Cutting-Edge Molecular Techniques with Zebrafish and Chick Embryo Models
Programme Schedule - 5th to 7th May, 2025

Date	**9.30 a.m. to 10.30 a.m.**	**10.30 a.m. to 11.30 a.m.**	**11.30 a.m. to 12.00 noon**	**12.00 noon to 1.00 p.m.**	**1.00 p.m. to 2.00 p.m.**	**2.00 p.m. to 5.45 p.m. (Tea break will be from 4.30pm to 5.00pm) (Venue: MSB 118)**
05.05.2025	Inauguration by Prof. Sayan Gupta, Head, Department of Applied Mechanics and Biomedical Engineering	Surrogates for studying the lipid arsenal of the tuberculosis bacillus by Prof. Apoorva Bhatt, University of Birmingham, UK	TEA BREAK	Bone regeneration model under microgravity by Prof. Dr. S. Saravanan, Saveetha University, Chennai	LUNCH BREAK	Hand-on-training on nano-formulation and cell culture under microgravity session at Department of Applied Mechanics and Biomedical Engineering, IIT Madras
06.05.2025	Nanotherapeutics for space medicine, by Dr. Swathi Sudhakar, IIT Madras, Chennai	High-throughput molecular techniques and Advanced bioimaging and microscopy by Prof. Poornima Budime Santhosh, University of Ljubljana, Slovenia.		Chick embryo model regenerative studies in space biology by Prof. Varsha Wankhade, University of Pune		Hand-on-training on zebrafish bone regeneration under microgravity session at Department of Applied Mechanics and Biomedical Engineering, IIT Madras
07.05.2025	Payload mission for space biology research Prof. Pandiyan S, IIT Madras, Chennai	Disease modeling and regenerative studies in space biology by Dr. Vimalraj S, IIT Madras, Chennai		Optical biosensing of biomolecules that can detect the biological spectral signatures in space by Dr. N. Durgalakshmi Dhinasekaran, Anna University, Chennai		Hand-on-training on chick embryo model under microgravity session at Department of Applied Mechanics and Biomedical Engineering, IIT Madras