



# An Interdisciplinary Approach to Biological Sciences

5<sup>th</sup> IABS, 6-8<sup>th</sup> February 2025

Indian Association for Cultivation of Sciences, Kolkata, India



## Day 3 (8<sup>th</sup> February, 2025)

TIME	SESSION / LECTURE TITLE	SPEAKER
<b>Session 7: Host and microbes 1, Chairs: Dr. Syamal Roy and Dr. Birija Sankar Patro</b>		
9:30-9:55	(L30) Prison Break: How do pathogenic bacteria escape out of the host phagosome?	Dr. Mohammed Saleem
9:55-10:20	(L31) Host-pathogen dialectics and 'host-directed therapy' in tuberculosis	Dr. Amit Misra
10:20-10:45	(L32) Scratching the surface elucidating the spatiotemporal dynamics of outer-membrane biogenesis in bacteria	Dr. Gideon Mamou
10:45-11:10	(L33) Regulation of nanotube mediated inter-bacterial interaction	Dr. Amit K. Baidya
11:10-11:30	Tea/ coffee Break (Adjacent to MLS Hall)	
<b>Session 8: Host and microbes 2, Chairs: Dr. Mihály Kovács and Dr. Amit Misra</b>		
11:30-11:55	(L34) Deciphering Neuroimmune Responses to Murine $\beta$ -Coronavirus: Insights into host-pathogen interactions	Prof. Jayasri Das Sarma
11:55-12:20	(L35) Regulation of the Fight-or-Flight Response in Ancient Archaea by the VapBC4 Toxin-Antitoxin System	Dr. Abhrajyoti Ghosh
12:20-12:45	(L36) Nuclear mRNA Surveillance regulates the Unfolded Protein Response (UPR) and cell survival under limiting nutrients in <i>Saccharomyces cerevisiae</i>	Dr. Biswadip Das
12:45-13:10	(L37) Sharing of antibiotic resistance in bacteria	Dr. Ritesh Ranjan Pal
13:05-15:35	Lunch (Food Court) + POSTER SESSION II (Centenary Building 1 <sup>st</sup> floor)	
15:35-16:00	Panel Discussion	
16:00-17:00	Poster Prize and Concluding Session Valedictory (Dr. Deepak K. Sinha) and High Tea	



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