



IISF 2024

# India International Science Festival 2024 Curtain Raiser



INDIA  
INTERNATIONAL  
SCIENCE  
FESTIVAL  
2024



## BRIC-NIBMG & IISER KOLKATA CONCLAVE

25th November, 10am



TRANSFORMING INDIA INTO A SCIENCE AND  
TECHNOLOGY DRIVEN GLOBAL MANUFACTURING HUB



## Date & Time

## Program

10:00 AM – 10:05 AM	<b>Welcome Remarks:</b> <i>Director BRIC-NIBMG</i>
10:05 AM – 10:10 AM	<b>Opening Remarks:</b> <i>Dean IISER-K</i>
10:10 AM – 11:30 AM	<b>Talks with Discussions</b>
10:10 AM – 10:30 AM	<b>Biodiscovery of novel microbes from extreme environments - potential for developing therapeutics</b> - <i>Prof. Punyasloke Bhadury (IISER-K)</i>
10:30 AM – 10:50 AM	<b>Exploring host genomic factors and it's functional characterization in driving tuberculosis disease</b> - <i>Dr. Bhaswati Pandit (BRIC-NIBMG)</i>
10:50 AM – 11:10 AM	<b>Bioengineering of probiotic bacteria towards improving gut health and antimicrobial host defence</b> - <i>Dr. Amirul Islam Mallick (IISER-K)</i>
11:10 AM – 11:30 AM	<b>Boosting the innate immunity: Role of antimicrobial peptides in bacterial pathogenesis</b> - <i>Dr. Soumitra Mohanty (BRIC-NIBMG)</i>
11:30 AM – 11:50 AM	<b>Coffee/Tea Break</b>
11:50 AM – 12:10 PM	<b>TBD</b> - <i>Dr. Arnab Gupta (IISER-K)</i>
12:10 PM – 12:30 PM	<b>Delineating the involvement of IF and NET proteins in degenerative muscle disorders</b> - <i>Dr. Moulinath Acharya (BRIC-NIBMG)</i>
12:30 PM – 12:50 PM	<b>Regulating T-cell receptor activation and downstream response</b> - <i>Dr. Rahul Das (IISER-K)</i>
12:50 PM – 1:10 PM	<b>Coagulation Protease in Health and Disease: Potential Role of Extracellular Vesicles in Disease Pathogenesis</b> - <i>Dr. Kaushik Das (BRIC-NIBMG)</i>
1:10 PM – 2:00 PM	<b>Lunch</b>
2:00 PM – 4:20 PM	<b>Talks with Discussions</b>
2:00 PM – 2:20 PM	<b>Multifunctional GTPase CgtA as a potential drug target in bacteria</b> - <i>Dr. Partha Partim Datta (IISER-K)</i>
2:20 PM – 2:40 PM	<b>Sexual dimorphism in humans: Tales of sex-hormones and brain disorders</b> - <i>Dr. Anasuya Chakravarty (BRIC-NIBMG)</i>
2:40 PM – 3:00 PM	<b>Extending Protein Functionality Beyond Standard Physiological Regimes</b> - <i>Dr. Neelanjana Sengupta (IISER-K)</i>
3:00 PM – 3:20 PM	<b>Coffee/Tea Break</b>
3:20 PM – 3:40 PM	<b>Molecular insights into the progression of Non-Alcoholic Fatty Liver Disease (NAFLD)</b> - <i>Dr. Priyadarshi Basu (BRIC-NIBMG)</i>
3:40 PM – 4:00 PM	<b>Peptide based therapeutics</b> - <i>Dr. Rituparna Sinha Roy (IISER-K)</i>
4:00 PM – 4:20 PM	<b>Prognostic and Therapeutic interventions for drug resistance in cancer: A CRISPR-CAS9 based functional genomics approach</b> - <i>Dr. Dilip Kumar (BRIC-NIBMG)</i>
4:20 PM – 4:30 PM	<b>Brief about the Program</b>
4:30 PM – 5:30 PM	<b>Discussions &amp; High Tea/Coffee in Meeting Room G-A</b>
5:30 PM – 6:00 PM	<b>Facility visit followed by departure</b>