

**First INYAS-Frontiers of Science (FoS) Brainstorming Meeting**  
**December 9-11, 2018**  
**Venue: Pragati Resorts, Hyderabad**

PROGRAM SCHEDULE		
Day 1 (December 9; Sunday)		
Arrival of participants (Morning Onwards)		
Lunch & Informal Introductions (13:00-14:00)		
Registration and Ice-breaking (14:00-15:00)		
<b>Inaugural Session (15:00-15:40)</b>		
Introduction to Meeting & Welcome Address: Dr. Chandra Shekhar Sharma, Convener, INYAS-FoS, IIT Hyderabad.		15:00-15:10
Inaugural Address: Dr. A Mitra (Scientific Secretary, Office of PSA to GoI)		15:10-15:30
Release of FoS Meeting Souvenir by Padma Vibhushan Dr. R. Chidambaram		15:30-15:35
Vote of Thanks: Dr. Mahesh Kumar, Chair, INYAS, IIT Jodhpur		15:35-15:40
High Tea (15:40-16:00)		
<b>Technical Session 1 – ASTROPHYSICS (16:00-18:15)</b>		
<b>Astrochemistry: Bridging Astrophysics and Astrobiology</b>		
<b>Chair:</b> Dr Bhalamurugan Sivaraman, PRL, Ahmedabad		
<b>Co-Chair:</b> Dr. Pankaj Kumar, IUAC, New Delhi		
Introductory Talk Dr Ankan Das, ICSP, Kolkata 16:00-16:15		
Talk 1	Dr Rebecca Thombre, Modern College, Pune	16:15-16:30
Talk 2	Dr C Vijayanad, VIT, Vellore	16:30-16:45
Talk 3	Dr S Vijayan, PRL Ahmedabad	16:45-17:00
Talk 4	Dr Sivapriya K, IIT Gandhinagar	17:00-17:15
Discussion Session Moderated by Chair and Co-Chair		17:15-18:15
Pre-dinner Keynote Address by Padma Vibhushan Dr. R. Chidambaram		18:30-19:15
Dinner (19-30-21:00)		
Day 2 (December 10; Monday)		
Breakfast (7:30-8:45)		
<b>Technical Session 2 - OPTICAL PHYSICS (9:00-11:15)</b>		
<b>Optics in Diagnostics</b>		
<b>Chair:</b> Dr. V. Ram, IIT, BHU		
<b>Co-Chair:</b> Dr. Rajan Jha, IIT, Bhubaneshwar		

Introductory Talk	Dr. V. Ramanathan, IIT BHU, Varanasi	9:00 – 9:15
Talk 1	Dr. N. Sujatha, IIT Madras	9:15 – 9:30
Talk 2	Dr. Ankona Datta, TIFR Mumbai	9:30 – 9:45
Talk 3	Dr. Rajan Jha, IIT Bhubaneswar	9:45 – 10:00
Talk 4	Dr. Sai Santhosh Rai, IIT Hyderabad	10:00 – 10:15
Discussion Session Moderated by Chair and Co-Chair 10:15 – 11:15		
Tea Break (11:15-11:30)		
<b>Technical Session 3 - MATERIAL SCIENCE (11:30-13:30)</b>		
<b>2D Materials and Spectroscopy</b>		
<b>Chair:</b> Dr. Pradeep Kumar, IIT MANDI		
<b>Co-Chair(s):</b> Dr. Mahesh Kumar, IIT, Jodhpur, Dr. Yogesh Singh Chauhan, IIT, Kanpur		
Introductory Talk	Dr. Anindya Das, IISc Bangalore	11:30-11:45
Talk 1	Dr. Mahesh Kumar, IIT Jodhpur	11:45-12:00
Talk 2	Dr. Pradeep Kumar, IIT Mandi	12:00-12:15
Talk 3	Dr. Viswanath Balakrishnan, IIT Mandi	12:15-12:30
Talk 4	Dr. Yogesh Chauhan, IIT Kanpur	12:30-12:45
Discussion Session Moderated by Chair and Co-Chair 12:45-13:30		
Lunch (13:30-14:15)		
<b>Technical Session 4 - BIOLOGY (14:15-16:30)</b>		
<b>Genome Editing and DNA Secondary Structure</b>		
<b>Chair:</b> Dr. Moulinath Acharya, National Institute of Biomedical Genomics, Kalyani		
<b>Co-Chair:</b> Dr. Rohini Garg, Shiv Nadar University, Noida, UP		
Introductory Talk	Dr. Souvik Maiti, CSIR IGIB New Delhi	14:15-14:30
Talk 1	Dr. Debojyoti Chakraborty, CSIR, IGIB Delhi	14:30-14:45
Talk 2	Dr. Rohini Garg, Shiv Nadar University, Noida	14:45-15:00
Talk 3	Dr. B. Anand, IIT Guwahati	15:00-15:15
Talk 4	Dr. Siddhartha Tiwari, NABI Mohali	15:15-15:30
Discussion Session Moderated by Chair and Co-Chair 15:30–16:30		
<b>Poster Session and Tea-Break (16:45-18:00)</b>		
P1	Dr Bhalamurugan Sivaraman, PRL, Ahmedabad	
P2	Dr. Pankaj Kumar, IUAC, New Delhi	

P3	Dr. Moulinath Acharya, NIVG, Kalyani
P4	Dr. Sanhita Roy, LVPEI, Hyderabad
P5	Dr. Arunasree M K, University of Hyderabad
P6	Dr. Mithun Pandit, DMRL, Hyderabad
P7	Mr. Akash Nathani, IIT Hyderabad
P8	Ms. Mrunalini Gaydhane, IIT Hyderabad
P9	Mr. Srinadh Mattaparathi, IIT Hyderabad
<b>Culture Event (18:30-19:30)</b>	
Conference Networking Dinner (19:30-21:30)	

<b>Day 3 (December 11; Tuesday)</b>		
Breakfast (7:30-8:30)		
<b>Technical Session 5- ENGINEERING (9:00-11:15)</b>		
<b>Soft Matter Science and Engineering</b>		
<b>Chair:</b> Dr. Chandra Shekhar Sharma, IIT, Hyderabad		
<b>Co-Chair:</b> Dr. Mudrika Khandelwal, IIT, Hyderabad		
Introductory Talk	Dr. Chandra Shekhar Sharma, IIT Hyderabad	9:00 – 9:15
Talk 1	Dr. Mudrika Khandelwal, IIT Hyderabad	9:15 – 9:30
Talk 2	Dr. Krishnacharya Khare, IIT Kanpur	9:30 – 9:45
Talk 3	Dr. Surajit Dhara, University of Hyderabad	9:45 – 10:00
Talk 4	Dr. Durba Sengupta, CSIR NCL, Pune	10:00 – 10:15
Discussion Session Moderated by Chair and Co-Chair		10:15 – 11:15
Tea Break (11:15-11:30)		
<b>Technical Session 6- MEDICINAL CHEMISTRY (11:30-13:30)</b>		
<b>Advances in Chemistry and Nanomedicine</b>		
<b>Chair:</b> Dr. Rohit Kumar Sharma, Punjab University, Chandigarh		
<b>Co-Chair:</b> Dr. Ranjit Kumar Sinha, DEI, Agra		
Introductory Talk	Dr. T Govindaraju, JNCASR Bangalore	11:30-11:45
Talk 1	Dr. Rohit Kumar Sharma, PU, Chandigarh	11:45-12:00
Talk 2	Dr. Vishal Rai, IISER, Bhopal	12:00-12:15
Talk 3	Dr. Jyotirmayee Dash, IACS, Kolkata	12:15-12:30

Talk 4	Dr. Ranjit Kumar Sinha, DEI, Agra	12:30-12:45
Discussion Session Moderated by Chair and Co-Chair 12:45-13:30		
Lunch (13:30-14:30)		
Final Meeting Statement & Valedictory Function (14:30-15:30)		
Departures (16:00)		
Golconda Tour and Light & Sound Show (Optional) (16:00-19:00)		