

Day 1 | January 18, 2024

Session I: Anant Jain (moderator)	
10:00 – 10:15 AM	Opening remarks by Shona Chattarji
10:15 – 11:00 AM	Plenary Lecture by Joshua Gordon Neuroscience and mental health: progress and possibility
11:00 – 11:45 AM	Gaiti Hasan Neuromodulatory calcium signals regulate circuit maturation and behaviour through chromatin modifications
11:45 – 12:15 PM	Coffee
12:15 – 12:45 PM	Arnab Barik How do we perceive and respond to pain and itch?
12:45 – 01:30 PM	Raghu Padinjat Can we manage neurodevelopmental disorders better? Answers from understanding human brain development
01:30 - 03:30 PM	Lunch + poster session + coffee (Poster numbers 1-30)
Session II: Pradeep Kumar Mishra (moderator)	
03:30 – 04:15 PM	Mriganka Sur The basic neuroscience of neurodevelopmental disorders and the discovery of mechanism-based therapeutics
04:15 – 04:45 PM	Agnik Dasgupta An <i>in-vivo</i> approach to investigate sensorineural morphogenesis & regeneration
04:45 – 05:00 PM	Short Talk: Benu Brata Das
05:00 – 05:15 PM	Short Talk: Naqiya Ambareen
05:15 – 06:00 PM	Gregory Quirk Building first-class neuroscience labs in any environment

Day 2 | January 19, 2024

Session III: Subhasis Ray (moderator)	
10:00 - 10:45 AM	Francis Lee Leveraging translational neuroscience to accelerate innovation in psychiatry
10:45 - 11:30 AM	Vatsala Thirumalai Predictive encoding in larval zebrafish cerebellum
11:30 - 12:00 PM	Coffee
12:00 - 12:45 PM	Jennifer Raymond Plasticity, metaplasticity, and metalearning in the cerebellum
12:45 - 01:30 PM	Sharba Bandyopadhyay Mouse vocalization sequences - production and neural processing
01:30 - 03:30 PM	Lunch + poster session + coffee (Poster numbers 31-60)
Session IV: Rakhi Pal (moderator)	
03:30 - 04:15 PM	Erin Schuman Protein synthesis at the synapse
04:15 - 04:45 PM	Anant Jain Behavioral time scale plasticity: same players, different roles
04:45 - 05:00 PM	Short Talk: Latika Nagpal
05:00 - 05:15 PM	Short Talk: Shivangi Verma
05:15 - 06:00 PM	Eric Klann How do neurons translate mRNAs during memory formation?

Day 3 | January 20, 2024

Session V: Shashank Tiwari (moderator)	
10:00 - 10:45 AM	Andreas Lüthi Dynamic encoding of internal states in amygdala circuits
10:45 - 11:00 AM	Short Talk: Priyadharishini Veeraraghavan
11:00 - 11:15 AM	Short Talk: Sarani Dey
11:15 - 11:45 AM	Subhasis Ray How does the sense of smell compare across different stages of life?
11:45 - 12:15 PM	Coffee
12:15 - 01:00 PM	Ron Stoop Social buffering switches fear to safety encoding by oxytocin recruitment of central amygdala "buffer neurons"
01:00 - 01:45 PM	Andrew Holmes Non-canonical amygdala mechanisms for memory representation
01:45 - 02:15 PM	Poster awards and closing remarks by Shona Chattarji
02:15 - 03:15 PM	Lunch