

Indo French Workshop on “Artificial Intelligence, Healthcare and the Way Forward for India and France”

Venue: R&I Park, IIT, New Delhi

22nd-24th March, 2025

DAY 1 – 22nd March 2025 (SATURDAY)

DAY 1 – 22 nd March 2025 (SATURDAY)			
	7:45:00 - 8:30 am	Welcome of the Delegates/Registrations and Breakfast	
Session 1	Opening Session		
	8:30 to 8:45 am	Background of Workshop by Co-Organizers	Dr. Rahul Gaurav and Prof. S. Senthil Kumaran
	8:45 to 8:55 am	Inauguration	Lamp Lighting
	8:55 to 9:15 am	Welcome Remarks by Host Institutions	Prof. M. Srinivas, Director, AIIMS and Prof. Ambuj Sagar, Dy. Director, IITD
	9:15 to 9:30 am	Welcome Remarks by Guest Institutions	Prof. Stéphanie Debette and Prof. Guillaume Fiquet
	9.30 to 9.40 am	Address	Dr. Fabien Chareix, French Embassy of India
	9:40 to 10:20 am	Round Table on Indo-French Research and Academic Strengths: Way Forward (Moderator: Dr. Rahul Gaurav)	Dr. Edith Gross, Prof. Nitin Seth, Prof. Manidipa Banerjee, Prof. Marc Rousset, Prof. Alexandre Escargueil, Prof Nand Kumar, Dr. Didier Raboisson, Dr. Neetu Singh
	10:20 to 10:45 am	Tea Break	
Session 2	Healthcare in India and France Keynote Session		
	Chair: Prof. James Gomes and Prof. K K Deepak		
Keynote 1	10:45	Genomics of Cerebral Small Vessel Disease Across the Lifespan and Across Ancestries	Prof. Stéphanie Debette <i>Guest of Honour</i>
Keynote 2	11:10	Overview of MRI research in India	Prof. N R Jagannathan
Keynote 3	11:35	How Clinical Observation in Movement Disorders Challenges Neuroscience National and international programs: Reference Centres for rare Diseases.	Prof. Marie Vidailhet
	12:10	Discussion	

	Chair: Prof. Stéphane Lehéricy and Prof. Rohit Saxena		
Keynote 4	12:20	Precision imaging and implications of AI in Brain Disorders	Prof. R.K. Gupta
Keynote 5	12:45	Future of AI in Healthcare	Prof. Gérard Biau
	13:10	Discussion	
	13:20	LUNCH	
Session 3	Innovative Tools for Brain Disorders (AI and Beyond)		
	Chair: Prof N.R. Jagannathan and Prof. Ajay Garg		
Talk	14:15	Advancements in High Field Magnetic Resonance Imaging	Prof. Stéphane Lehéricy
Talk	14:35	AI-Powered Rehabilitation: Robotics, Neuroplasticity, and Customization in Stroke Recovery	Dr. Neha Singh
Talk	14:55	Experimental Surgery	Dr. Brian Lau
Talk	15:15		
	15:35	Discussion	
	Chair: Dr. Pierre Pouget and Dr. Durgesh Dwivedi		
Talk	15:50	Neuroimaging Biomarkers Using Deep Learning	Dr. Rahul Gaurav
Talk	16:10	Neuroimaging in Clinical Perspective	Dr. Bejoy Thomas
Talk	16:30	Sensory prediction and discrimination in premature neonates and neurodevelopmental outcome	Dr. Nadège Roche-Labarbe
Talk	16:50	Neurophysiological markers in ADHD: Role of Quantitative EEG	Prof. Simran Kaur
	17:10	Discussion	
	17:25	High Tea	

Day 2 – 23rd MARCH 2025 (SUNDAY)

Session 4			
Tumor Biomarkers for Diagnosis, Prognosis and Targeted Therapy			
Chair: Prof. Alexandre Escargueil and Prof. Anup Singh			
Talk	9:10	Prognostic Modeling: Enhancing Accuracy in Survival Predictions	Dr. Agusti Alentorn
Talk	9:30	TBA	Dr. Byreddy Sabhari
	9:50	Discussion	
Session 5			
Biomarkers and Translational Research: From Brain to Body			
Chair: Prof. Shailesh B Gaikwad and Dr. Nadège Roche-Labarbe			
Talk	10:00	CT, MRI, and PET Synergy in Head, Neck, and Whole-Body Imaging: Driving Personalized Medicine and Prognostic Precision	Prof. Nadya Pyatigorskaya
Talk	10:20	Body Imaging: Revolutionizing Diagnostics, Treatment Planning, and Patient Outcomes	Dr. Sonal Krishan
Talk	10:40	Enhancing Cancer Diagnosis and Prognosis	Dr. Ekta Dhamija
Talk	11:00	TBA	TBA
	11:20	Discussion	
	11:35	Tea Break	
Session 6			
Genetic Epidemiology			
Chair: Prof. Manjari Tripathi and Prof. Sunita Gupta			
Talk	11:55	Multi-Ancestry Genome-Wide Association Study of Stroke	Dr. Aniket Mishra
Talk	12:15	Genetic Epidemiology of Ataxia	Dr. Faruq Mohammed
Talk	12:35	Large-scale Discovery of Novel Shared Genetic Etiology between Stroke and Neurodegenerative diseases	Dr. Ganesh Chauhan
	12:55	Discussion	
	13:10	LUNCH	
Chair: Prof. Nadya Pyatigorskaya, Dr. Augusti Alentorn and Prof. Amit Mehndiratta			
	14:10	Power Pitch presentations (5)	
Talk	14:45	Complexity of blood and image-based biomarkers in Parkinson's disease	Prof. Jagannatha Rao
	15:05	Discussion	
	15:20	Tea Break	
	15:40 - 17:10	Workshop on Statistical Machine Learning for Digital Health	Dr. Esha Baidya, Satyajit Maurya
	18:30	Dinner (Courtyard, R&I Park)	

Day 3- 24th MARCH 2025 (MONDAY)

Session 7	Future of AI and beyond		
	Chair: Dr. Pradeep Venkatesan and Prof. Neetu Singh		
Talk	9:00	AI tools for Small Vessel Disease Segmentation	Dr. Ami Tsuchida
Talk	9:20	Overview of Imaging in Movement Disorders: NIMHANS Experience	Prof. Jitender Saini
	9:40	Discussion	
Session 8	Digital Age and Digital Health		
	Chair: Prof. Achal Kumar Srivastava and Prof. Roopa Rajan		
	9:50	AI-Driven MRI Diagnostics for Digital Health in the Digital Age	Dr. Bharti Rana
	10:10	TBA	Dr. Rishika Roy
	10:30	Atmanirbhar Bharat: Made in India MR systems	Dr. Arjun Arunachalam
	10:50	AI-enabled 0.5T: AirReconDL, SonicDL, AIRx technologies	Dr. Ramesh Venkatesan
	11:10	Discussion	
	11:20	Tea break	
Session 9	Data Sharing, Ethics and Public Policy		
	Chair: Prof. Gautam Sharma, Prof. Soumya Iyengar and Dr. Payal Prakash		
Talk	11:40	Ethics of AI in Healthcare: Navigating the Fine Line Between Innovation and Privacy	Dr. Pierre Pouget
Keynote	12:00	OSCEs in AI - Opportunities, Sharing of data, Challenges and Ethics.	Prof. Pratima Murthy
Talk	12:25	Ethical Implications of Interactions between AI and Animals	Prof. Jean-Cassien Billier
Talk	12:45	Ethics and safety protocol in MR Acquisition	Prof. Senthil Kumaran
	13:05	Discussion	
	13:15	LUNCH	
Session 10	Brain Plasticity: Stimulation Techniques and Advances in Imaging		
	Chair: Prof. Vinay Goyal and Prof. Renu Bhatia		
Talk	14:15	Transcranial magnetic stimulation: an electrophysiological technique for modulating as well as assessing brain plasticity	Prof. Suman Jain
Talk	14:35	Transcranial direct current stimulation/ non-invasive brain stimulation in stroke	Dr. Ashu Bhasin
Talk	14:55	Practical Integration of AI in Medical Imaging	Dr. Dileep Kumar
	15:15	Discussion	
	15:30	Workshop: Introduction to Deep Learning in Clinical Neuroscience	Dr. Rahul Gaurav
	17:00	Abstract Winner Announcements	Dr. Nadège Roche-Labarbe and Dr. Pierre Pouget
	17:10	Concluding Remarks - Vote of thanks by Organizers	
	17:40	High Tea	