

**ISN-MLSU First Neurochemistry School on Advances in Neurochemical Research Techniques & Management of Neurological disorders**

**January 18<sup>th</sup> to 24<sup>th</sup> 2024**

**Programme Schedule**

**Venue For Lectures: Seminar Hall, MLSU New Guest House**

**Venue For Laboratories: Dept. of Pharmaceutical Sciences, MLSU**

**Venue For Poster Session: Dept. of Biotechnology, MLSU**

**Day 1; Thursday 18 Jan, 2024**

08:30-09:30 AM	Breakfast
09:00-10:00 AM	Registration & Kit Distribution
10:00-11:00 AM	Inaugural Ceremony
11:00-11:30 AM	High Tea /coffee& Interaction with ISN Faculty
11:30-12:30 PM	<b>Key Note Lecture-1 (Prof. Lance McMahon, Texas Tech University Health Sciences Center, USA)</b> <i>Title: The complex G-protein coupled receptor pharmacology of a Southeast Asian natural product</i>
12:30-01:30 PM	<b>Lecture 2 (Dr. Atulabh Vajpeyee, Neurologist, Pacific Medical College &amp; Hospital, Udaipur)</b> <i>Title: Autoimmune encephalitis: diagnosis &amp; novel Biomarkers</i>
01:30-02:30 PM	Lunch
02:30-03:30 PM	<b>Lecture 3 Prof. V. K. Khanna, Adjunct Professor, NIPER-Hyderabad, Former Chief Scientist IITR, Lucknow, President, Indian Academy of Neuroscience</b> <i>Title: Magic of Quercetin in Protecting Cadmium Induced Neurodegeneration: Promises from Experimental</i>
03:30-04:00 PM	Tea /coffee& Interaction with ISN Faculty
04:00-05:30 PM	<b>Game Zone of Neuroscience</b>
08:00 PM Onwards	Dinner

**Day 2; Friday 19 Jan, 2024**

08:30-09:30 AM	Breakfast
09:30-10:30 AM	<b>Lecture 1 (Dr. Dharmendra Kumar Khatri, NIPER, Hyderabad)</b> <i>Title: Understanding critical factors affecting variability and reproducibility in assessment of animal models of PD: Focus on stereotaxic surgical models</i>
10:30-11:30 AM	<b>Lecture 2 Dr. Awanish Mishra</b> <i>Title: Therapeutic implications of small molecule driven inhibition of NLRP3 inflammasomes in Parkinson's Disease</i>
11:30-12:00 PM	Tea /coffee& Interaction with ISN Faculty
12:00-01:00 PM	<b>Lecture 3 (Prof. V. K. Khanna, Adjunct Professor, NIPER-Hyderabad Former Chief Scientist IITR, Lucknow)</b> <i>Title: Paper Presentation in Scientific Conferences: Important Tips</i>
01:00-02:00 PM	Lunch
02:00-04:00 PM	<b>Laboratory Practice Session-1 Rodent Brain surgery - Stereotaxic Instrument &amp;</b>

	<b>Demonstration of Any Maze software, UHPLC Demo)</b>
04:00-05:00 PM	<b>Stress free Game Zone-I</b>
05:00-05:30 PM	Tea /coffee & Interaction with ISN Faculty
05:30-07:30 PM	<b>Oral Presentations by Participants</b>
08:00 PM Onwards	Dinner

**Day 3; Saturday 20 Jan, 2024**

08:30-09:30 AM	Breakfast
	<b>Lecture 1 (Prof. Min Hua Chen) Chung Yuan Christian University, Taiwan)</b>
09:30-10:30 AM	<i>Title: Explore the application of theranostic nanoparticles in neuro oncology from a material perspective)</i>
	<b>Title:</b>
10:30-11:30 AM	<b>Lecture 2 (Dr. Ashok Datusalia, NIPER Raibareli)</b>
	<i>Title: Studying the Neuroplastic Pathways for Rebuilding the Brain and Behavior</i>
11:30-12:00 PM	Tea /coffee & Interaction with ISN Faculty
	<b>Lecture 3 (Dr Phalguni Anand Alladi, Scientist -F, NIMHANS, Bengaluru)</b>
12:00-01:00 PM	<i>Title: Biomarker validation draws insights into disease pathogenesis: Nota bene Parkinson's disease with cognitive impairment</i>
01:00-02:00 PM	Lunch
02:00-05:00 PM	<b>Laboratory Practice Session-2 iWalks live instrument demonstration; Microplate Reader for various enzymatic activity, Flash Chromatography Instrument demonstration)</b>
05:00-05:30 PM	Tea /coffee & Interaction with ISN Faculty
05:30-07:30 PM	<b>Sightseeing of Pichola Lake &amp; Fatha Sagar Lake, Amba Mata Temple</b>
08:00 PM Onwards	Dinner

**Day 4: Sunday 21 Jan, 2024      Excursion - Planned Udaipur trip**

**Day 5; Monday 22 Jan, 2024**

08:30-09:00 AM	Breakfast
09:00-10:00 AM	<b>Lecture 1 (Dr. Pallab Bhattacharya, NIPER, Ahmedabad)</b>
	<i>Title: Stroke, Cell therapy and Mitochondrial resilience</i>
10:00-11:00 AM	<b>Lecture 2 (Prof. Jens Hjerling-Leffler, Karolinska Institute, Stockholm)</b>
	<i>Title: The neuroscientist's guide to schizophrenia: a data-driven prioritization of circuits</i>
11:00-11:20 PM	Tea /coffee & Interaction with ISN Faculty
	<b>Lecture 3 (Prof. L C Chiou, National Taiwan University)</b>
	<i>Title: An unprecedented role of cerebellar <math>\alpha</math>6GABAARs in schizophrenia: A story from a herb flavonoid</i>
11:20-12:10 PM	
	<b>Lecture 4 (Prof. R.K. Goel, Punjabi University Patiala)</b>
12:10-01:00 PM	<i>Title: Unravelling the Intricacies of Neurochemistry: Insights for Pharmacologists</i>

01:00-02:00 PM	Lunch
02:00-05:00 PM	<b>Laboratory Practice Session-3 (Demonstration of DNA expressions on RTPCR, Demonstration on NMR)</b>
05:30-06:00 PM	Tea /coffee& Interaction with ISN Faculty
06:00- 07:00 PM	<b>Stress Free Game Zone-II</b>
08:00 PM Onwards	Dinner

### Day 6; Tuesday 23 Jan, 2024

08:30-09:30 AM	Breakfast
09:30-10:15 AM	<b>Lecture 1 (Dr. Kaisar Raza, School of Chemical Sciences &amp; Pharmacy, Central University, Rajasthan)</b> <i>Title: Lipid-based Nanoparticles of Dimethyl Fumarate for Neurological Disorders: A Drug Delivery Perspective</i>
10:15-11:00 AM	<b>Lecture 2 (Dr. Prof. Chrystalina Antoniadis, University of Oxford)</b> <i>Title: Quantifying Parkinson's disease using digital technology and machine learning.</i>
11:00-11:30 PM	Tea /coffee & Interaction with ISN Faculty
11:30-12:15 PM	<b>Lecture 3 (Dr. Prof. L C Chiou, National Taiwan University)</b> <i>Title: A potential novel medication for schizophrenia: <math>\alpha</math>6GABAAR-selective positive allosteric modulator</i>
12:15-01:00 PM	<b>Lecture 4- (Dr. Ashutosh Pareek, Department of Pharmacy, Banasthali University)</b> <i>Title: Navigating the Moral Compass: Ethical Dimensions in Neuroscientific Research</i>
01:00-02:00 PM	Lunch
02:00-03:00 PM	<b>Laboratory (MTT Assay) at Biotech Department &amp; Human Nerve Conduction Velocity Demonstration</b>
03:00-05:00 PM	<b>Poster Session- (ISN MLSU Participants) at Biotech Department</b>
05:00-05:30 PM	Tea /coffee & Interaction with ISN Faculty
06:00-08:00 PM	<b>Cultural Eve</b>
08:00 PM Onwards	Dinner

### Day 7; Wednesday 24 Jan, 2024

08:30-09:30 AM	Breakfast
09:30-10:30 AM	<b>Lecture 1 (Dr. Sanket Jadhav, Senior consultant Medical Writing &amp; Clinical Trial Design, TCS, Mumbai)</b> <i>Title: The Evolving Landscape of Clinical Trial Designs in Neurological Disorders</i>
10:30-11:30 AM	

	<b>Lecture 2 (Dr. Lokesh Agrawal, OIST, JAPAN)</b> <i>Title: Neural graft technology: a novel way to address the clinical challenges related to the treatment of neural traumas</i>
11:30-12:00 PM	Tea /coffee& Interaction with ISN Faculty
12:00-01:00 PM	<b>Valedictory Function</b>
01:00-02:00 PM	Lunch