



BITS Pilani
Pilani Campus



PIONEERING EDUCATION
PARADIGMS

International conference on

Challenges and Advancements in the Treatment of Neurological Disorders

March 21 and 22- 2025

Organized by:

Department of Pharmacy, BITS Pilani, Pilani campus

About BITS Pilani

BITS Pilani is a Deemed-to-be University, offering on-campus programmes to more than 18,500 students across its campuses in Pilani, Goa, Hyderabad, Mumbai, and Dubai. It has been recognized as an Institute of Eminence by the Ministry of Education, Government of India, in 2020. In QS Asia University Rankings 2023, BITS has been ranked 188th, the only private institute from India in Asia Top 200, and at 18 in India. Further, BITS Pilani has been ranked among the top 300 in QS World University Graduate Employability Rankings 2022 and within the top 8 in India. Having pioneered several curricular and pedagogic attributes, BITS Pilani has a vision to be amongst the top research-led Institutes in the country. The qualities of innovation, enterprise, commitment to excellence, adherence to merit, and transparency have characterized the Institute during its inexorable march to eminence. The Institute has secured over ₹398 crores as external research funding in the last five years. State-of-the-art facilities have been developed to support cutting-edge research led by students and about 930 faculty members. This led to a Scopus h-index 156, with 221 patents filed and 41 patents granted. Currently, there are 14 BITSian Unicorns and 1 Decacorn. There are over 7500 BITSian founders and co-founders of enterprises.

About the Department of Pharmacy

The Department of Pharmacy at BITS Pilani, Pilani Campus, is one of the oldest pharmacy schools in the country; founded in 1950. Consistently ranked among the top five pharmacy schools by the National Institutional Ranking Framework (NIRF) in the Pharmacy category, the department has also achieved a remarkable QS World Ranking of 100-150 in Pharmacy and Pharmacology over the past two years. With a dedicated team of faculty members and over 60 research scholars, the department actively engages in diverse research domains. Its excellence is reflected in numerous patents, faculty-led startups, high-impact research publications, and industry-funded projects. Several of its technologies have been successfully transferred to industry, with some products already available in the market, underscoring the department's commitment to impactful research and innovation.

About the Conference

The field of neurological disorders encompasses a diverse range of conditions that affect millions of people worldwide, presenting significant challenges to both patients and healthcare providers. This conference aims to address these challenges by bringing together experts from various disciplines to discuss recent advancements in understanding, diagnosing, and treating neurological disorders. Key topics of discussion will include the latest research on the pathophysiology of neurological diseases such as Alzheimer's, Parkinson's, multiple sclerosis, and amyotrophic lateral sclerosis (ALS) etc. We will explore innovative diagnostic techniques, including biomarkers and imaging technologies, which hold promise for earlier and more accurate detection of these conditions. Additionally, the conference will highlight cutting edge therapeutic approaches, from novel drug development to advanced neurostimulation techniques. Despite these advancements, numerous obstacles remain, such as the complexity of disease mechanisms, the need for personalized treatment strategies, and the ethical considerations surrounding emerging therapies.

Themes

- Role of Genetics and Epigenetics in Neurological Disorders
- Cellular and Molecular Pathways in Neurological Disorders
- Innovations in Neuroimaging Techniques and Developing Biomarkers for Early Detection
- Novel therapeutic approaches in the treatment of neurodegenerative disorder.
- Advanced therapeutic approach for brain tumour, brain stroke, ischemia etc management
- Natural/ herbal/ phytopharmaceutical based remedy in neurological disorder
- Comorbidity associated with neurological disorder (Diabetes mellitus, obesity, anxiety etc)
- Neurostimulation Techniques and Device-Based Therapies
- Designing and Implementing Clinical Trials for Neurological Disorders
- Challenges in Translating Research from Bench to Bedside

Registration Fees

Research Scholars/Students (PG& UG)	₹2200
Faculty/Scientists/Postdocs	₹3300
Industry/Others	₹5000

GST inclusive. The bank may charge an additional fee for online transactions as applicable. For the accompanying person, there will be additional charges of 1500/-. The accompanying person will not be eligible to receive the registration kit and conference material. The registration fees include a registration kit, conference material and meals.

Registration link: <https://forms.gle/t5qyTufcAZLcQyIL9>

The last date for registration is 15th March 2025.

Bank Details

Beneficiary Name :	Birla Institute of Technology & Science, Pilani
IFSC CODE No.	UTIB0001188
Bank Account No.	918010089946355
Bank	AXIS BANK LTD
City Branch	PILANI
MICR No.	333211177
Branch Code	001188
Swift Code	AXISINBB



ABSTRACT SUBMISSION

A maximum of 10 abstracts will be shortlisted for the oral presentation, and the remaining will be considered for the poster presentation by the scientific committee. The last date for submission of abstract for oral and poster presentation is 15th March 2025.

Link for Abstract Submission: <https://forms.gle/EreD7D7adMSSxBac7>

Please visit the conference website for more details regarding the abstract submission and oral and poster presentation guidelines.

Accommodation

Limited accommodation will be available on-campus in the hostel (300 / per room/per night) and Institute Guest House (1500/per room/per night) on a first-come, first-served basis and will be chargeable. The charges are excluding GST (if applicable). For the accompanying person, the accommodation charges are applicable with GST.

SPEAKERS

	<p>Dr. Chandrashekar Ranga Joint Drug Controller India, CDSCO, Delhi Topic: Bridging the Gap - Regulatory Facilitation from Lab to Market</p>
	<p>Dr. Ekta Kapoor Scientist-F, Head, National GLP Compliance Monitoring Authority, DST, Delhi Topic: Good Laboratory Practice: OECD Perspective and Current Status in India</p>
	<p>Dr. Anil Kumar Professor & Chairman, University Institute of Pharmaceutical Science, Panjab University, Punjab Topic: Neuroprotective Mechanism and Related Drug Strategies in Experimental Head Injury Induced Cognitive Dysfunction</p>
	<p>Dr. Deepak Kumar Sharma Senior Principal Scientist, CSIR-IMTECH, Chandigarh Topic: Discovery of Peptide Molecule that Prevents α-synuclein Associated Neurodegeneration in Mouse Model of Parkinson Disease</p>
	<p>Dr. Chih-Hao Yang Associate Professor, Department of Pharmacology, Taipei Medical University, Taiwan Topic: TAAR1: Bridging Ketogenic Diet-Induced Neuroprotection and Gut-Brain Axis in Ischemic Stroke</p>
	<p>Dr. Vinay Parikh Associate Professor, Director, Neuroscience Program, College of Liberal Arts, Temple University, Philadelphia, USA Topic: Leveraging the Concept of Cognitive Reserve to Advance Cognition Therapeutics for Age Related Neurodegenerative Conditions</p>
	<p>Dr. Saurabh Srivastava Associate Professor, Department of Pharmaceutics, Pharmaceutical Innovation and Translational Research Lab, NIPER Hyderabad, Telangana Topic: Translational Nanomedicine: Lab-to-life Challenges & Regulatory Perspective Bridging the gap- Academia, Industry and FDA Convergence for Nanomaterials</p>
	<p>Dr. Pankaj Seth Senior Professor, National Brain Research Centre, Manesar, Gurgaon Topic: Exploring Brain Disorders using 2D and 3D Models of Human Brain Cells</p>
	<p>Dr. Onkar Prakash Kulkarni Professor, Department of Pharmacy, BITS Hyderabad Campus Topic: Neurological Sequel of Chronic Kidney Disease: Identification and Validation of Novel Targets</p>

Leadership

Prof. V. Ramgopal Rao, Vice Chancellor, BITS Pilani

Prof. Sudhir Kumar Barai, Former Director, BITS Pilani, Pilani campus

Head of the Department

Prof. Rajeev Taliyan, Department of Pharmacy, BITS Pilani, Pilani campus

Organizing Team

Department of Pharmacy, BITS Pilani, Pilani campus

For any query, you may contact to:

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Award to

- TOP 3 POSTERS
- TOP 2 ORAL PRESENTATIONS

Scan the QR code to visit the website

