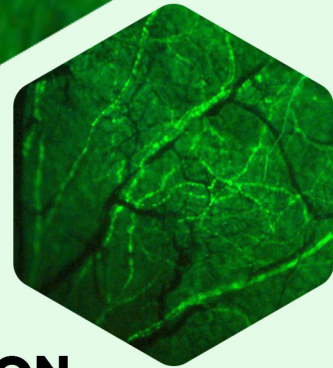




JSS Academy of Higher Education & Research

(Deemed to be University) Accredited "A+" grade by NAAC

Division of Biochemistry, School of Life Sciences, Mysuru



INTERNATIONAL CONFERENCE ON Neurodegeneration : Biomarkers and Therapeutic targets (HYBRID MODE)

11th & 12th September, 2023

Venue

School of Life Sciences, Mysuru
JSS Academy of Higher Education & Research
Mysuru, Karnataka, India



A+



34th
University Category



351- 400 **2nd** in INDIA
Subject Ranking - Clinical & Health
126-150



68th in ASIA
2nd in INDIA



301- 350
Southern Asia
65



101-150
Medicine
651- 680



301-400
SDG - 3
16th GLOBALLY
1st in INDIA



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About the University

JSS Academy of Higher Education & Research (JSS AHER)

JSS Academy of Higher Education & Research (JSS AHER), formerly known as JSS University, was established in the year 2008 under Section 3 of the UGC Act 1956 and accredited by NAAC with A+ Grade and ranked 34 by NIRF, Ministry of Education, Govt of India. JSS AHER has four constituent colleges - JSS Medical College and Hospital, JSS Dental College and Hospital, JSS College of Pharmacy, Mysuru and JSS College of Pharmacy, Ooty. In addition, JSS AHER has taken initiatives to enhance community health education and outreach activities by establishing departments of Water and Health in the year 2011 and Health System Management Studies in the year 2012. With a view to expand the horizons in the field of basic health science, School of Life Sciences was also initiated in the year 2013. JSS Mahavidyapeetha, has been a guiding force providing support and encouragement to the JSS AHER and its initiatives. The Deemed to be University has been focusing on teaching, research, and health services since its inception.

JSS AHER having embraced 'Globalization' has embarked on the international path through strategic initiatives and collaborations. To promote research and inculcate research attitude in the students JSS AHER established 'Seven' Center of Excellence (CoE). Further, university Central Instrumentation Center, JSS AHER has been established at JSS College of Pharmacy, Mysuru with advanced facilities for a cutting-edge research.

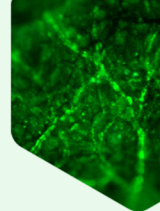
About School of Life Sciences, Mysuru

The School of Life Sciences (SLS), Mysuru was established in the year 2013 with the blessings of His Holiness Jagadguru Sri Shivarathri Deshikendra Mahaswamiji, the Chancellor of JSS Academy of Higher Education & Research, Mysuru. The school stands today as a unique institution in the country known for multidisciplinary and interdisciplinary teaching and research in life sciences. The SLS is enunciated in the JSS Academy of Higher Education & Research Strategic Planning Framework. It has a vision and a mission of achieving national and international distinction while strengthening local relevance. The unique courses offered under National Education Policy NEP 2020 covers a wide spectrum of biochemical, biomedical, and environmental sciences areas. In addition, many value-added programs have been initiated in the SLS, Mysuru to further provide additional knowledge, which is in alignment with United Nations Sustainable Developmental Goals (UN-SDGs).



About the Division of Biochemistry

Division of Biochemistry was established in the year 2014 under the School of Life Sciences. Currently, the division is offering undergraduate (B.Sc.) and postgraduate (M.Sc.) programs in Biochemistry. The curriculum delivers in-depth knowledge in Biochemistry from basics to advanced applications in Biological Sciences and Health Sciences. It is designed and upgraded based on suggestions / demands of the stakeholders including students, academic/ research/ industrial experts. The Division offers a range of specialized/ optional modules that foster their academic/ research/ career interest. Special interest is also taken to nurture Life Sciences Skill Sets for more Employability and Entrepreneurship. In addition, curricular (Science events) and co-curricular (cultural/ sports/ NSS) activities are organized time-to-time to facilitate the holistic growth



of the students.

The Division also offers Doctoral Programs focused on thrust areas of research viz., Cancer Biology & Green Nanomedicine, Neuroimmunology, Snake Venom Pharmacology, Mitochondrial Metabolism, Detoxification, Hypertension, Cardiovascular and Pulmonary Medicine, Plant Physiology, Molecular Biology and Biochemistry, Biotic Stress Studies. The staff of Division of Biochemistry has received many research grants from DST-SERB, DBT-BIRAC, DST-WOS-A, ICMR, UGC and NIPER for conducting various research studies, and Faculty of the department have published Research articles in high impact peer reviewed journals.

About the Conference

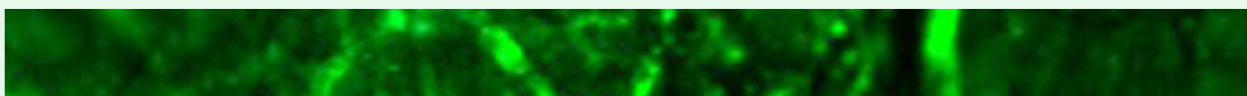
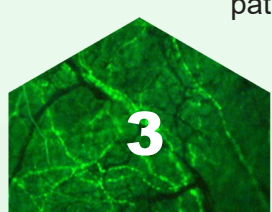
Background: Neurodegenerative diseases are a group of disorders characterized by the progressive degeneration and loss of function of neurons in the central nervous system (brain and spinal cord) and, seldom, the peripheral nervous system. Cognitive ability, motor control, and other neurological processes gradually deteriorate as a result of these illnesses, which largely impact the structure and function of the brain. According to estimates, seven million new instances of neurodegenerative illnesses are recorded annually worldwide as of September 2022.

Biomarkers are indicators that can be used to determine a disease's presence, progression, or severity. It is essential for early diagnosis, monitoring disease development, and assessing the efficacy of treatment interventions in the setting of neurodegenerative illnesses. Amyloid-beta and Tau Proteins in Alzheimer's, Alpha-Synuclein in Parkinson's disease, Neurofilament Light Chain (NfL) in Alzheimer's, Parkinson's, and Multiple sclerosis, etc. are some of the biomarkers that help in monitoring diseases progression and treatment response. In addition, Cerebrospinal fluid biomarkers and genetic biomarkers aid in the diagnosis and help identify individuals at risk or confirm a genetic cause for neurodegenerative diseases.

Concept and purpose: The conference on neurodegenerative diseases - Biomarkers and therapeutic targets aims to explore and discuss the latest advancements in understanding, detecting, and treating various neurodegenerative diseases such as Alzheimer's disease, Parkinson's disease, Huntington's disease, and Amyotrophic lateral sclerosis characterized by progressive degeneration of neurons leading to cognitive decline, motor dysfunction, and other debilitating symptoms. The focus of the conference revolves around two primary aspects biomarkers and targeted therapy. Molecular, genetic, imaging, or biochemical markers provide valuable insights into the presence, progression, and characteristics of neurodegenerative diseases and help in accurate diagnosis, targeted therapy, and monitoring of disease progression.

The conference also aims to delve into the latest research on identifying and utilizing biomarkers for neurodegenerative diseases. Additionally, the conference focuses on targeted therapy which involves developing treatments that specifically target the underlying causes or pathological processes of neurodegenerative diseases. The traditional approach of symptomatic management is being augmented by the development of novel therapeutic strategies that aim at modifying or halting disease progression. Knowledge of the interventions targeting aberrant proteins, inflammation, mitochondrial dysfunction, and other mechanisms implicated in neurodegeneration is the conference potential outcome.

The purpose of the conference is to bring together researchers, clinicians, and experts from various disciplines to share their knowledge, present cutting-edge research findings, and foster collaborations in the field of neurodegenerative diseases by discussing biomarkers and targeted therapies. The conference aims to promote a deeper understanding of these diseases and explore innovative patient outcomes to enhance the quality of life and potentially find ways to prevent or cure neurodegenerative diseases in the future.



Resource Persons



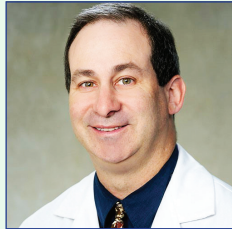
Dr. Jayasri Das Sarma

Professor, Department of Biological Sciences, IISER, Kolkata, India



Dr. Sarada Subramanian

Professor, Department of Neurochemistry, National Institute of Mental Health & Neurosciences (NIMHANS), Bengaluru, Karnataka, India



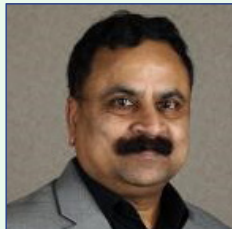
Dr. D Shindler

Professor of Ophthalmology and Neurology University of Pennsylvania, USA (Online-Mode)



Dr. Ravi Mahalingam

Research Professor, Neurology University of Colorado, USA (Online-Mode)



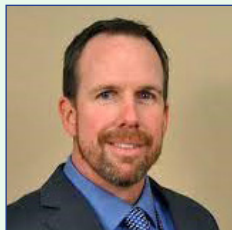
Dr. Basavaraj Balapal

Research scientist, centre for Dementia Research. The Nathan S. Kline Institute for Psychiatric Research, New York Associate Professor, Columbia Medical Center, USA (Online-Mode)



Dr. Laxmi T. Rao

Professor Department of Neurophysiology NIMHANS Bangalore karnataka, India



Dr. David Beckham M D

Professor of Medicine and infectious Disease University of Colorado, USA (Online-Mode)



Dr. Pallab Bhattacharya

Associate Professor & Dean Department of Pharmaceutics National Institute of Pharmaceutical Education and Research, Ahmedabad, Gujarath, india



Dr. S Venkatesh

Associate Professor, Dept of Biosciences, Sri Sathya Sai Institute of Higher Learning, Andra Pradesh, india



Dr. Naveen Gowda

Assistant Professor CARE-ADD, St. John's Research Institute Koramangala, Bangalore, Karnataka india



Dr. M. Dharma Prasad

CEO & Chief Scientist Prosetta Bioconformatics Private Ltd. Mysuru, Karnataka, India

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Convener

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Dean, Faculty of Life Sciences, Mysuru
JSS Academy of Higher
Education & Research

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Dr. D. Guru Kumar

Assistant Professor
Division of Biochemistry
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Dr. Satish Kumar J
Mr. Mahendra M

Mr. Mohan Krishna G K
Mr. Lokesh

Registration and Travel Details Contact

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Dr. Shiva S 9844068846

Travel and Accommodation

Dr. Anil Kumar K M 9964769330
Dr. Satish Kumar J 9945390459

Thematic Areas

- **Pharmaceutics & Pharmacognosy**
- **Cognition & Behavior**
- **Neurobiology**
- **Disorders of Nervous system**
- **Drug design & Drug discovery**
- **Biological Science & Pharmacology**
- **Neuropharmacology**

Registration Fees

Registration Categories

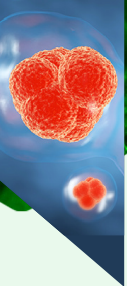
Sl.no	Particulars	Registration Fee details
1	Student/Research Scholars	600/- (including GST)
2	Faculty/ Research Associate/ Postdoctoral Researchers	1200/- (including GST)
3	Industry	3000/- (including GST)

Submission of Abstract & Registration Details

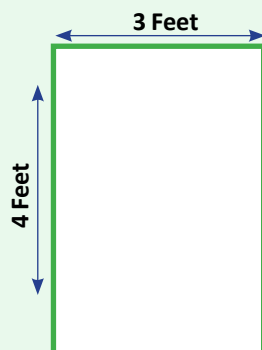
Sl.no	Particulars	Important dates
1	Registration starts from	16 th August 2023
2	Last date for submission of Abstract	05 th September 2023

For Registration
Scan this QR Code





Poster dimension



Note: At the time of abstract submission, the presenting author has to provide the registration details to the **E mail: nbt@jssuni.edu.in**

For any additional information contact:

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About Mysuru city

Mysuru is a cultural capital of Karnataka and is well known for its heritage structures and palaces. Mysuru is located at the foothills of Chamundi Hills, Mysuru State. The Kingdom of Mysuru was ruled by Wadiyar Dynasty and served as capital city from 1399 until 1956. Mysuru is well known for Mysuru Dasara, State festival of Karnataka. The cultural city is also famous for Mysore silk sarees, Mysore Pak, Mysore Peta, Mysore Sandal Soap, etc.

Local Sightseeing and Tourist places to visit in and around Mysuru

Distance (km.) from City Bus Stand (CBS)

Chamundi Hills

Distance from CBS: 12 km



St. Philomena's church

Distance from CBS: 3.4 km.



Brindavan Garden (KRS)

Distance from CBS: 20 km



Mysore Zoo

Distance from CBS: 2.7 km



Folklore museum

Distance from CBS: 4.2 km



Karanji Lake

Distance from CBS: 3.5 km



Mysuru Palace

Distance from CBS: 750m

