

# SNCI

## SOCIETY FOR NEUROCHEMISTRY, INDIA newsletter-2021

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International Conference on  
**Recent Advances in Neurological Diseases**  
and  
**35<sup>th</sup> Annual Meeting of Society for  
Neurochemistry India (SNCI), 2021 (Virtual)**

Theme : **Neurodegeneration and Cognition**

**2<sup>nd</sup> - 4<sup>th</sup> December 2021**

Venue : Centre for Neural and Cognitive Sciences  
School of Medical Sciences, University of Hyderabad, Telangana

**ORGANIZER**

**Dr. Ramesh Kumar Mishra**

Professor and Head,  
Centre for Neural and Cognitive Sciences  
School of Medical Sciences  
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### SNCI Annual Workshop 2021

**8<sup>th</sup> to 14<sup>th</sup> December 2021**

Venue : Jamia Hamdard, New Delhi

**ORGANIZER**

**Prof. Suhel Parvez**

Head, Department of Toxicology,  
School of chemical and life sciences, Jamia Hamdard, New Delhi 1100062  
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## President's Desk : Prof. M. K. Thakur

Dear Members,

Greetings! I have great pleasure to write the message for the 4<sup>th</sup> newsletter of the SNCI. The newsletter always updates the academic activities of society and provides very useful information. I appreciate the incredible efforts of Prof Rajpal Singh and Dr Amit Kumar in bringing out the newsletter. Its commendable that the society has continued its academic activities even during the current Covid-19 pandemic. The annual conference-2020 was successfully hosted for the first time in virtual mode at the headquarters University of Hyderabad. This was preceded by the wonderful workshop organized by CIIMS, Nagpur. A satellite meeting after IBRO-Associate School in Neuroscience is scheduled in October 2021 at NEHU, Shillong. I take this opportunity to admire the dedication and thank all the members associated with the organization of these exciting events. Covid-19 has impacted the entire globe and is still alarming and challenging. Many lives have been lost and most of the infected people are suffering from the post-covid neurological and other complications. The education and research have been disrupted desperately. However, this has gifted



**Prof. M. K. Thakur**

neuroscientists with immense experimental opportunities to study the virus, its pathogenetic mechanism and treatment. We salute the sacrifices and services of all the associated health workers, medical professionals, scientists and others.

Recently, the SNCI has renovated its website ([sneci.org.in](http://sneci.org.in)) which looks very appealing. Thanks to Prof Prakash Babu and his dynamic team. I request all the members to visit this and provide their valuable suggestions for its further improvement. It's shocking that the society has lost its founder and Patron Prof Kalluri Subba Rao who breathed his last on 24th May 2021 in Hyderabad. A great tribute to the departed soul will be our commitment towards the continued and combined efforts to train the budding scientists and promote neuroscience education and research. The society is planning to organize a special lecture in his memory during the annual meet every year. The annual conference-2021 will be organized in Hyderabad. I request all the members to participate and extend their cooperation in its success. I pray for good health and well-being of all the members and their families.



**Prof. P. Prakash Babu**

### Secretary's Desk : Prof. P. Prakash Babu

The Society for Neurochemistry, India (SNCI) started way back in 1979, with the University of Hyderabad as its Headquarters with a clear mandate to train young minds for the techniques in neurochemistry/neuroscience. The SNCI organizes its annual meetings in

different parts of the country. During annual meetings, young students are encouraged to award the best poster and best oral presenter. Awards and training will inspire young students to take up neuroscience/ neurochemistry as their career. Society inducts neuroscientists and scholars as life members.

With the help of life members, organizes annual meetings and workshops at different institutes and universities across the country. Society is very keen to organize workshops to provide hands-on training to young neuroscience researchers. Further, the society encourages members to organize local chapter meetings and workshops in their respective regions on a focused theme. The society with its members helps young researchers when they need help on the specific research facilities in different labs. Further, research scholars will be advised on career development after Ph.D.

I am happy to announce that this year's 35<sup>th</sup> annual meeting will be organized jointly by Prof. Ramesh Kumar Mishra, Head, Centre for Neural and Cognitive Science, University of Hyderabad, Hyderabad. The workshop will be organized for the selected participants from 8<sup>th</sup> to 14<sup>th</sup> Dec. 2021 at Jamia Hamdard by Prof. Suhel Parvez. This annual meeting will be focussed on the "Neurodegeneration and cognition: Recent advances in the neurological diseases"

I wish this international conference and workshop will be a great success.

I wish the organizers good luck.



**Dr. Rajpal Singh Kashyap**

### Secretary's (Outstation) Desk : Dr. Rajpal Singh Kashyap

The pandemic of covid19 teaches us that we need good health and research infrastructure and comprehensive knowledge to treat such threatening infections. The Society for Neurochemistry, India (SNCI) has been working and discussing this agenda from long back, but in the last five years, things

have gotten faster with lots of collaboration within the society members or through the society members. However still more distance needs to cover to achieve these objectives. To reach these destinations, small but important steps are urgently needed for scientific societies like us to come forwards with translational research as an outcome of our long ongoing basic research. Also, what we have seen is that neither policymakers involve us in their policies for COVID infection nor many established scientific societies come forward to their input to handle this difficult infection. To the best of my knowledge, several scientific societies have brilliant & experienced scientists. If their wisdom of experience is used to tackle this kind of infection, I am sure we will dilute the intensity of any microbial infection like covid 19. This is what I am expecting from our & other societies to take an active part in the solution. I'm sure, SNCI will work more on these issues by conducting several national and international conferences, Brainstorming sessions, submitting policies to the government and the important part, giving training to the budding scientists for the excellent research, so that in future, these scientist will take very good care of the society in terms of health and wellness. The last thing is that SNCI currently has a great team of young and dynamic members, and I can see that over the next year SNCI will achieve many successful outcomes.

I would like to thank all members of society for their hard work and support, which has allowed society to rise to new heights and to expect the same in the future. My best wishes to the 35th annual meeting organize Prof. Ramesh Kumar Mishra and Prof. Suhel Parvez.





## International Conference on **Frontiers in Neuroscience and Neurochemistry : Dynamic Challenges and Approaches**

10th-12th October, 2019 at Jamia Hamdard, New Delhi

Organized by Prof. Suhel Parvez

**Objectives of the event :** The proposed conference highlighted the issues and challenges faced by researchers in exploring brain disorders and their mechanisms through rigorous discussions and talks, and thus provided a compact platform for brainstorming dynamic approaches. It also provided a platform to discuss the importance of Intellectual Property Rights (IPR) and how IPRs have contributed significantly to the field of Neurobiology.

The event increased awareness, capacity building, and stakeholder engagement on industrial research and innovation in the field of neuroscience, resulting in strengthening of technology development and competitiveness. Scientists from various CSIR labs like IITR, CDRI, IIIM attended this conference to discuss various aspects of brain research.

**Event details :** The proposed international conference on neuroscience was organized from 10<sup>th</sup>-12<sup>th</sup> October, 2019. The event observed the participation of more than 300 delegates from India and other countries of the world. The inauguration of the conference was presided over by Dr. P N Tandon, Senior Neurosurgeon, AIIMS as the Chief Guest. Prof. Tandon is a world-renowned Neurosurgeon of the highest order, and he was instrumental in the genesis of the Departments of Neurology and Neurosurgery at the All India Institute of Medical Sciences (AIIMS) in March 1965. He is also a recipient of Padma Shri (1973), Padma Bhushan (1991), and Padma Vibhushan (2006) by the Government of India. A Presidential speech was delivered by Prof. M.K. Thakur during the Plenary session. Prof. Thakur is the President, SNCI and the former President of IAN and AGI. In total, 15 technical sessions of various themes related to Neuroscience were organized. These include sessions on neurodegenerative disorders, therapeutic interventions used in present day neuroscience research, novel tools and techniques used in present day research, and so on. A special session on funding opportunities in Neuroscience was organized on the very first day of the conference. The session was conducted by Dr. Meenakshi Sharma, Scientist E, Program Officer for Cardiovascular Diseases, Neuro

sciences and Biomedical Engineering. Another lecture on Funding opportunities in DSIR, by Dr. Vimal Kr. Varun, DSIR, New Delhi, was conducted on the second day of the conference. In view of industrial applicability of neuroscience research, a session on Industrial and Intellectual Property Aspects of neuroscience research was also organized on the second day of the event, which was conducted by Dr. Khalid Khan, Fermish Clinical Technologies, Noida.

Apart from these technical sessions, young scientists from various parts of the country and the world were encouraged to present their research work through Poster Presentation and Young Scientist Oral Presentation sessions, which were organized over a span of 3 days during the conference. A wide spectrum of research work was showcased by these promising scientists - ranging from advances in therapeutic targets in classic Neurodegenerative disorders, to newer cutting edge learning platforms such as Virtual Labs.

The research work presented during poster and oral sessions were accredited during the valedictory session on the last day of the conference. The chief guest for the valedictory session was Dr. Lokendra Singh, Director, CIIMS Nagpur. Dr. Singh is widely considered to be one of the best Neurosurgeons in the country, and his eloquent speech full of wit and humour earned rapturous applause from one and all, and thus brought to an end the successful 3-day conference.

Apart from the technical and scientific sessions, two cultural events were held for the delegates on 10<sup>th</sup> and 11<sup>th</sup> October, 2019. A soulful Qawwali by Hussain Nizami brothers was organized on 10<sup>th</sup> October evening which gave the cosmopolitan audience a taste of North Indian culture, and a Gala Dinner followed by Jashn-E-Mushaira was organized on 11<sup>th</sup> October evening. The conference proceedings were published in the form of an abstract book which was inaugurated by the Chief guest, Dr. P. N. Tandon, during the inaugural session of the conference on 10<sup>th</sup> October, 2019. All the participating delegates were provided with CDs containing a soft copy of the abstract book.





## **Glimpses of SNCCI 34<sup>th</sup> Annual Meeting (Virtual)** International Conference on **Brain Diseases, Injuries and Infections : Emerging Challenges and Treatment Strategies** 11<sup>th</sup> to 13<sup>th</sup> December 2020

**SNCCI 34<sup>th</sup> Annual Meeting (virtual)**, International Conference on “*Brain Diseases, Injuries and Infections: Emerging Challenges and treatment strategies*” held from 11<sup>th</sup> to 13<sup>th</sup> December 2020, organised by the Head quarters, University of Hyderabad, Hyderabad by Prof. P. Prakash Babu (General Secretary) & Dr. M. Varalakshmi (Treasurer)

The Inaugural ceremony on 11<sup>th</sup> Dec (9:30-10:30 AM) was presided over by the Vice Chancellor, UoH, Prof. Appa Rao Podile and Dr. Meenakshi Sharma, Scientist F, ICMR as the Chief Guest of the program. The preconference workshop was conducted for three days from 7<sup>th</sup> to 9<sup>th</sup> December 2020 at CIMS, Nagpur.

The major themes of the International conference were as following in the 3 days conference

- Neuro-degeneration and in nervous system injuries, diseases and infections.
- Demyelination in central & peripheral nervous system diseases
- Scope of aging in neuroscience or current aspects of aging studies in neurobiology or involvement of aging in neurodegenerative diseases
- Cell death mechanisms in nervous system diseases
- Brain behaviour & cognitive studies in neurological diseases
- Toxicological studies of novel therapeutic interventions to treat neurological disorders
- Molecular and mechanistic studies of brain tumours
- Molecular aspects of Neuro-Immuno modulators in neurological diseases
- Use of computational biology in Neurosciences
- Psychological aspects in neurological disorders

**The conference was enriched with scholarly talks delivered by 14 international speakers ) from countries like USA, Portugal, Peru, Canada, Japan & Netherlands and 56 national speakers from across the country. International speakers part of the conference were ;**

### **National speakers included;**

Prof. M. K. Thakur, BHU, Varanasi  
Dr. Rita Christopher, NIMHANS, Bengaluru  
Prof. Prakash Babu Phanithi, UOH, Hyderabad  
Dr. Rajpal Singh Kashyap, CIIMS, Nagpur  
Prof. Suhel Parvez, Jamia Hamdard, New Delhi  
Dr. M. Varalakshmi, UOH, Hyderabad  
Dr. Nandakumar, NIMHANS, Bengaluru  
Dr. Sudip Paul, NEHU, Shillong  
Dr. Amit Nayak, CIIMS, Nagpur  
Dr. A. J. Vanisree, Madras University, Chennai  
Prof. Sukala Prasad, BHU, Varanasi  
Dr. Saravana Babu, JSS College of Pharmacy, Mysore  
Dr. Debapriya Garababu, Rajasthan University, Rajasthan

Dr. Dinesh Bhatia, NEHU, Shillong  
Dr. Anirban Basu, NBRC, New Delhi  
Prof. Rajat Sandhi, Punjab University, Punjab  
Dr. Nihar Jana, IIT, Karagpur  
Dr. Rama Krishna Omkumar, RGCB, Trivandrum  
Dr. Binu Ramachandran, Christ College, Kerala  
Dr. Sarada Subhramanyam, NIMHAN'S, Bengaluru  
Dr. Shanti Desai, Goa University, Goa  
Dr. M. Ramanathan, PSJ College of Pharmacy, Coimbatore  
Dr. Sunil Narayan, JIPMER, Pondicherry  
Prof. Parvir Kumar, DTU, New Delhi  
Dr. Pankaj Seth, NBRC, New Delhi  
Dr. Akash Gautam, UOH, Hyderabad  
Prof. Anita Jagota, UOH, Hyderabad  
Dr. Gurucharan Kaur, Guru Nanak Dev University, Amritsar  
Dr. Sarada Subhramanyam, NIMHANS, Bengaluru  
Dr. Nibedita Lenka, NCCS, PUNE  
Prof. S. K. Trigun, BHU, UOH  
Dr. G. Madhu Babu, UoH  
Dr. Prasad Tammineni  
Dr. Harikrishna Reddy, Central University of Punjab, Bathinda  
Dr. Puneet Kumar, Central University of Punjab, Bathinda,  
Dr. Pragya Komal, BITS- Pilani, Hyderabad, India  
Dr. Sucheta Sahu, Institute of Neuroscience, Kolkata, India  
Dr. K. Udupa, NIMHANS, Bangalore, India  
Prof. R. Sharma, AIIMS, Delhi, India  
Dr. Archana Chaudhary Department of Biosciences, Faculty of Science, SGT University, Gurugram  
Dr. Y.B. V.K Chandrasekhar, KIIMS, Hyderabad  
Dr. Trupti Trivedi, GCRI, Ahmedabad  
Dr. Sumana Chakravarty, ICT, Hyderabad  
Prof. M. Ramanathan, PSJ College of Pharmacy, Coimbatore  
Dr. Sudip Paul, NEHU, Shillong  
Dr. Ravish, NIMHANS, Bengaluru  
Dr. Rashmi Ambasta, Delhi University, Delhi  
Dr. Shanti N. Dessai, Goa University, Goa  
Dr. Omkumar RV, Scientist G, Rajiv Gandhi Centre for Biotechnology, Trivendrum, Kerala  
Dr. Suvarna Alladi, NIMHANS, Bangalore, India  
Dr. Bidisha Som, Indian Institute of Technology Guwahati, India  
Dr. Veeky Baths, Birla Institute of Technology & Sciences, Goa campus, India  
Dr. Ramesh Kumar Mishra, University of Hyderabad  
Dr. Ritushree Kukreti, Senior Principal Scientist CSIR – Institute of Genomics & Integrative Biology (IGIB), Mall Road, Delhi, India; Professor, Academy of Scientific and Innovative Research (AcSIR), Ghaziabad, India  
Ravi Shankar Akundi, Senior Assistant Professor, South Asian University, New Delhi, India



## ABOUT SNCCI

Society for Neurochemistry, India

**SNCCI**

*Neurochemistry is one of the most rapidly advancing areas of sciences which is multi-disciplinary by nature. Neurochemistry attempts to draw the functioning of the most complex "device" the human brain! Emerging neuroscientists of modern world, including developing countries like India face a high level of challenge in teaching and understanding due to lack of proper training and updates. With this background the Society for Neurochemistry, India (SNCCI) started way back in 1979, as University of Hyderabad, Hyderabad as its Headquarters.*

*Society for Neurochemistry (SNCCI) is a registered scientific body in Hyderabad. SNCCI promotes neurochemistry by organizing conferences and workshops at many different Universities / institutes across India. These workshops / schools are directed to train young students in basic techniques in neurochemistry / neuroscience. The society inducts neuroscientists as life members and relevant information is sent to them from time to time.*

## OBITUARY

Aging like death is an inevitable process in human life. Prof. Kalluri Subba Rao who tackled the possible causes of aging at the molecular level breathed his last on May 24th 2021 in Hyderabad. Borne on August 18th, 1939, Prof Rao obtained Ph.D IN Biochemistry from IISC Bangalore. After a brief stint in BHU Varanasi he joined the Life Sciences Dept in the University of Hyderabad. Here he served in various ranks from Professor to Dean and played a pivotal role in establishing a unique and strong school of Neurosciences. He with his young students developed a procedure for isolation and propagation of fetal brain Neurons & Glial cells in culture. He has contributed significantly in establishing that DNA damage is associated with functional decline in aging process & pinned the defect to base excision repair in rat brain neurons. He has numerous awards and publications to his credit.

He nurtured the Society for Neurochemistry India as President for several years and inculcated a strong tradition of running workshops on methods to study brain. He served as the council member for Asian Pacific Society for Neurochemistry and advisor in various capacities.

Lastly I would say that death is certain once you are borne but once deeds on this planet live for ever. Let his soul rest in peace.

**Prof Shail K. Sharma**, Former Head of Biochemistry Dept.  
All India Institute of Medical Sciences, New Delhi 110018.



**Prof. Kalluri Subba Rao**  
PATRON

## Condolence Message

Prof. Kalluri Subba Rao fondly known as KSR was born on Aug 18, 1939 into a middle-class family. He lost his father at 7 years of age who was a teacher himself. In a difficult journey, he could complete the education at Sir CRR College, Eluru, West Godavari, Andhra Pradesh. He completed his M.Sc in Biochemistry at Nagpur University and then joined IISc Bangalore for the Ph.D. program. After the Ph.D. he got married and left for the United States for post doc research connected to Vitamin A metabolism and work in the role of Galactosyl Glycerides in the body at Temple University, Philadelphia. After a few years, he chose to come back to India for a job. He got a position as Reader at Banaras Hindu University, Chemistry Department and worked for 5 years. At that time a new central University was established at Hyderabad with Prof. Gurbaksh Singh as the first Vice Chancellor. He was offered a position of Reader in Biochemistry and subsequently became Professor of Biochemistry in the School of Life Sciences. He made a national image for himself by winning many awards and recognitions like the Fellow of Indian National Science Academy and all other academies as well. Even after retirement, he continued his research, notably the study of the possible beneficial effects of Amalaki Rasayana to humans. These works of his have also been successful.

He dedicated his entire life for Neurochemistry/ neuroscience teaching and research. He published more than 120 research articles in peer reviewed journals. Under his guidance 17 scholars were awarded PhDs. He developed many collaborations across the country and US. Most importantly, he is one of the founder members who started the Society for Neurochemistry, India along with Dr. Ramamurthy a renowned neurosurgeon. He served in various capacities in the society and encouraged young people to join the society and cultivated a neurochemistry career for many. It is his ambition and vision to take the society forward and train scholars in neurochemistry and neuroscience.

May his soul rest in peace.

**Prof. Prakash Babu**, Dean,  
School of Medical Sciences University of Hyderabad



## Activities of Nagpur Chapter



### CIIMS organised WORKSHOP ON Immunological and Molecular techniques for diagnosis of Neurological diseases



Central India Institute of Medical Sciences (CIIMS), Research Laboratory had organized Three-day online SNCI Annual workshop on the theme” Immunological and molecular approaches for diagnosis of Neuroinfections & Neurological diseases” Under the banner of Nagpur chapter of the Society for the Neurochemistry India (SNCI) held on 7-9th Dec. 2020.

The workshop was organised by Dr. Amit Nayak (Organizing secretary), Sr. Scientist, & (Dr. Aliabbas Husain Jt. Organizing secretary) Scientist, Research Centre, CIIMS, Nagpur.



Guests for the inauguration & valedictory function of the workshop were Professor M.K. Thakur President, SNCI, & Professor BHU, Varanasi, Professor, P. Prakash Babu, General Secretary, SNCI & Professor UoH, Hyderabad, Dr. Lokendra Singh, Director, CIIMS, Nagpur, Dr. H F Daginawala, Honorary Consultant, Research Centre, Dr. Rajpal Singh Kashyap outstation Secretary, SNCI and Director, Research, CIIMS.



A total 40 participants from different life science research disciplines, across the country, have been selected to attend the workshop. The workshop includes the technical demonstration of the two important research tools Molecular Biology (PCR, RTPCR, & LAMP PCR) and ELISA. Similarly, eminent scientists across India delivered, on various aspects such as Dr. Kashyap gave an overview about the need & importance of the immunodiagnostic & molecular techniques, Dr. Suhel Parvez, Jamia Hamdard, New Delhi, India delivered talk on “Applications of Neurophysiology in Deciphering Cellular and Molecular Mechanisms in Neuroscience”, Dr. Heena Tabassum, ICMR Delhi, gave the video demonstration of the tMCAO model for testing therapeutic interventions of ischemic stroke, Dr. Rita Christopher, NIMHANS, Bengaluru, India talked about “Recent Advances in the Biochemical diagnosis of Neurometabolic Disorders”.



Apart from these special talks were also arranged on topics like manuscript writing, Basic Statistical analysis used in Medical Research & Reverse Vaccinology- a Platform for developing promising vaccines by Dr. Sarwana Babu & Amit Nayak & Dr. Dilip Gore. CIIMS experience on Bench to Bedside research and commercialization approaches & translational challenges with the participant was also shared with the participants.



**Dr. Amit Nayak**  
Co-ordinator,  
SNCI Nagpur Chapter



**Ms. Payal Khulkhule**  
Jt. Co-ordinator,  
SNCI Nagpur Chapter



## Dr. G. M. TAORI Young Scientist AWARD



Dr. G. M. Taori, a well known Neurophysician obtained his FRCP from Canada. Later he also worked in U.K in the Neurology Department. After he return to India, he joined Christian Medical College, Vellore where he was promoted as a professor of Neurology. In 1973, he returned to Nagpur to take up family responsibilities. He had keen desire to teach and undertake research in various Neurological disorders both infectious and non-infectious. He established Central India Institute of Medical Sciences in Nagpur and had great inclination to establish a research laboratory to have close collaborations with clinicians and research scientists. The institute is now actively involved in research work related to infections and non-infections Neurological and other metabolic diseases to fulfill the dream of late Dr. G. M. Taori.

### Awards of 33rd SNCI Conference

International Conference on  
**Frontiers in Neuroscience and Neurochemistry : Dynamic Challenges and Approaches**  
10th-12th Oct.2019 at Jamia Hamdard, New Delhi

#### Oral Presentation Award



The Best Oral Presentation  
Dr. Mallika Chatterjee, Amity University



Runner-up was Dr. Mehar Naseem,  
Jamia Hamdard, New Delhi

Third place was secured by Dr. Priyanka Khare  
from Jamia Hamdard, New Delhi

#### Best Posters Awards



Best Poster award during the event was given  
to G.L. Bala Subramaniam, JNU, New Delhi



Best Poster second award during the event was  
given to Sameer Ranjan, Guwahati, Assam



Best Poster third award during the event was given  
to Tomtheelnganbee Elangbam, NEHU, Shilong

### Awards of 34<sup>th</sup> SNCI Conference (Virtual)

International Conference on  
**Brain Diseases, Injuries and Infections : Emerging Challenges & Treatment Strategies**  
11<sup>th</sup> to 13<sup>th</sup> December 2020, Hyderabad

#### Dr. G. M. Taori Memorial Award Oral Presentation Award

**Sireesh Kumar**  
UoH (sharing)

**Nikhil Ranjan**  
UoH (sharing)

**Bhakya Sree**  
BITS Pilani, Hyderabad (consolation)

#### Suven Life Sciences Award Best Posters Awards

**Nidhi Agarwal**  
GLA University, Mathura (sharing)

**Mahima**  
GLA University, Mathura (sharing)

**Garima**  
BHU, Varanasi (Consolation)

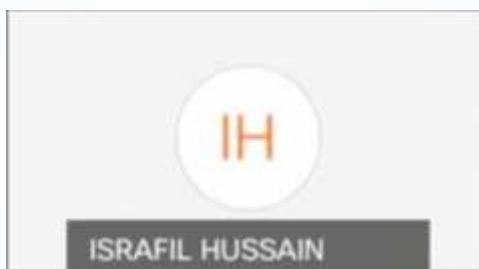
**Ms. Sheena Sheikh**  
CIIMS, Nagpur (Consolation)



## Activities of North East Chapter, Shilong

### International Short Term Course on **3D Printing Technology**

organized by NEHU, Shillong



International Short Term Course on 3D Printing Technology organized by NEHU, Shillong

A one week **Online International Short Term course on “Recent advances of 3D printing and its Biomedical Engineering applications”** was jointly organized the Royal Global University (RGU), Guwahati in collaboration with the North Eastern Hill University (NEHU), Shillong and National Cheng Kung University Hospital (NCKUH), Taiwan from 12<sup>th</sup>–16<sup>th</sup> October, 2020. This interactive course provided exchange of information, technological know-how and resources to the participants in the upcoming field of 3D Printing technology which has widespread applications in a variety of disciplines in academia and industry. The field has immense potential in medical, healthcare and allied areas such as dentistry, rehabilitation, artificial body organs, aerospace, consumer products, defence, automobiles etc. Several renowned Speakers from AIIMS- New Delhi, CSIO, Chandigarh, NCKUH- Taiwan, IIT(s), NIT(s) and Central Universities have provided their consent to be part of this programme and share their expertise with the participants. Instructional methods included provision of on-line

reading material, demonstration sessions that include background and practical information, case studies and interactive discussion conducted online with help of renowned speakers from academia and industry. The International course has received tremendous response with more than 350 participants from all over the country and from countries including Europe, Africa and Asia registered for the event. The workshop was inaugurated on 12<sup>th</sup> October, 2020 by Dr. Ting Mao Chou, NCKUH, Prof. A.N. Rai, former Vice Chancellor, NEHU and Prof. S.P. Singh, Vice Chancellor, RGU. The program organizers were Dr. Dinesh Bhatia, Associate Professor, Department of Biomedical Engineering, NEHU, Shillong who is one of the elected Executive Members of the SNCI, Dr. Hirak Ranjan Das from RGU, Guwahati and Mr. Sasanka Boruah, RGU. More programmes are in advanced stage of planning in the coming years for growth and promotion of science and technology in the North Eastern region of the country.





## SNCI Virtual Satellite Meeting on **Cognitive and Neurodevelopmental Disorders (Virtual)**

**30<sup>th</sup> October - 1<sup>st</sup> November, 2021**

Venue : **Department of Biomedical Engineering**, North Eastern Hill University,  
Shillong-793022, Meghalaya

Organizer : **Dr. Dinesh Bhatia**, Associate Professor, Department of Biomedical Engineering,  
North Eastern Hill University, Shillong-793022, Meghalaya, India.

### **Aims and Scope of the Satellite Meeting :**

The purpose of the SNCI Satellite meeting post conclusion of the IBRO Associate School on the “Modern interventional tools to improve Cognitive behavior in children with neurodevelopmental disorders” would allow participants with extensive knowledge to understand the key focus areas prevalent with regards to cognitive and neurodevelopmental disorders. This would allow for the improvement in their functional outcome and quality of life. The SNCI Satellite meeting would bring experts from different domains to share their knowledge and expertise with the participants in understanding the recent advances in the management and therapeutics of cognitive behaviour and dealing with complex neurodevelopmental disorders. The technical know-how generated through the meeting would provide new research dimension leading to improvement in the lifestyle and reduction of stigmatization of such population with their integration into the society.

### **Description :**

The meeting would provide exposure with hands on training to the participants to understand how diseased brain condition could be improved and made to function similar to the normal human brain. This is one of the major facets of the neuroscience research which encompasses most of these disorders and it is one of the biggest challenges for survivors. Without the updated knowledge of tools, techniques, and comprehensive analysis, advancement and innovation in treating neurodegenerative disorders shall remain a challenge. Therefore, modern techniques and advancements in neuro-therapeutic research shall be explained during proposed meeting. The SNCI Satellite meeting will consist of plenary lectures by eminent professors/ senior scientists, popular lectures, group discussions, presentation by participants, technical expert lectures/demonstrations, and extensive interactions. Special

lectures and brainstorming sessions between experts and budding neuroscientists would be conducted on neuro-ethics and neuro-rehabilitation to increase awareness. Informal interactions between the participants and neuroscience experts will be facilitated to promote global networking and future collaborations.

### **Who should apply to this Meeting?**

Young highly motivated doctoral research scholars, Master's students, faculty members, scientists and researchers working in the field of cognitive neuroscience, rehabilitation and other relevant research areas. Preference will be given to M.Sc., M.Tech., M.B.B.S., Ph.D. students, post-doc researchers and young faculty members (up to 5 years from Ph.D. completion/thesis submission) interested to present their ongoing research work in the meeting.

### **Call for Abstracts :**

Abstracts upto 1000 words in the following format are acceptable :

Title, Name of Researcher, Affiliation with complete address, Email id of all Authors, Abstract in Times New Roman, 12 font, 1.5 line spacing with Introduction, Objective, Methodology, Results, Conclusion and References. The Abstracts would be published in the meeting proceedings in digital format.

### **Theme Areas :**

- Neuroscience
- Cognitive Impairment
- Neurodevelopment disorder and Mental Health
- Neurogenic Symptom Management
- Modern Interventional tools to overcome Neurodevelopment disorders



- Symptomatic management of brain health
- Cognitive enhancement techniques
- Neurodevelopmental rehabilitation
- Ethics in Neuroscience research

### Important Dates :

Date of Submission of Abstract : 30<sup>th</sup> September, 2021

Acceptance Intimation : 10<sup>th</sup> October, 2021

Final Abstract Submission : 20<sup>th</sup> October, 2021

Dates of meeting : 30<sup>th</sup> October to 1<sup>st</sup> November, 2021.

### Registration fees :

Registration : Early Bird upto 15<sup>th</sup> October, 2021 : Rs. 300/-

Late Registration upto 25<sup>th</sup> October, 2021 : Rs. 500/-

### Submission of Abstract :

Abstract may be submitted to following email id:

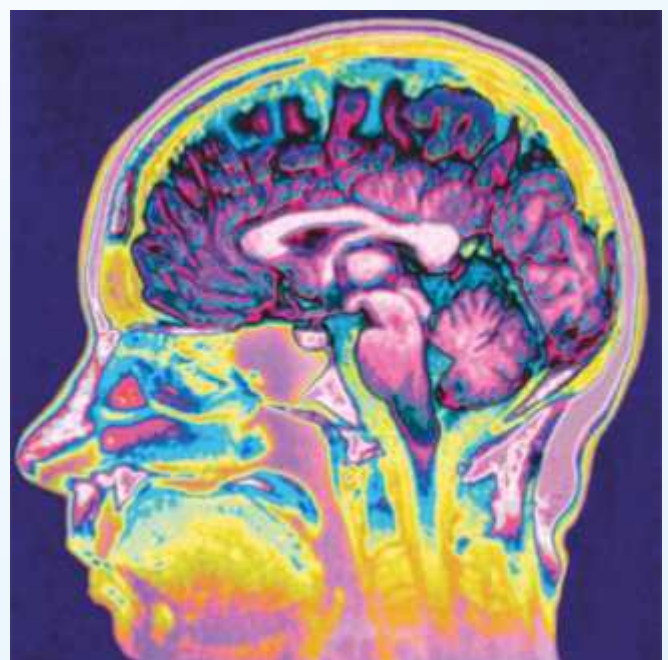
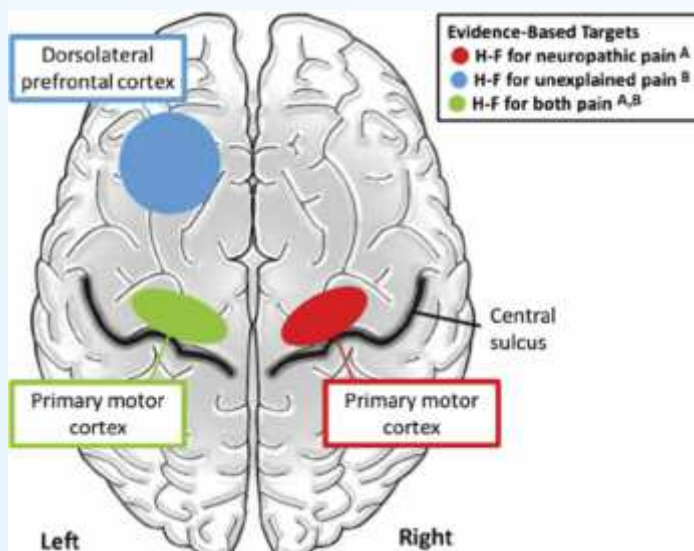
snctimeeting2021@gmail.com

### Apply for IBRO APRC Associate School:

<https://ibro.org/ibro-aprc-associate-school-on-modern-interventional-tools-to-improve-cognitive-behavior-in-children-with-neurodevelopmental-disorders/>

### For all enquiries, please contact

Dr. Dinesh Bhatia at bhatiadinesh[at]rediffmail[dot]com







## Activities of Chennai Chapter

### Two-day symposium on **Molecular Pathology of Neuronal and Glial Cell Diseases and Combating Strategies** 20<sup>th</sup> & 21<sup>st</sup> August 2021



The SNCI Chennai chapter has organized a two-day symposium on “Molecular Pathology of Neuronal and Glial Cell Diseases and Combating Strategies” during the month of August (20<sup>th</sup> and 21<sup>st</sup>) in the Department of Biochemistry, University of Madras, Guindy Campus, Chennai-25. The inaugural function of the event called Neuglia'19 was initiated by renowned guests and other dignitaries from the hosting institute and SNCI.

Dr. Mahendra Thakur, President, SNCI has rendered the key note endowed with exhilarating information on neuro research following the welcome speech by Dr. A.J. Vanisree, Organising secretary, SNCI Chennai chapter. Dr. Prakash Babu, Secretary General has delivered the special address with much focus on the essence of neurobiology which was followed by the technical session. Both Plenary and invited lectures were scheduled on Day one of the event.

Academic invitees, Dr. B. S. Shankaranarayana Rao, NIMHANS, Dr. C. Saravana Babu JSS College, Mysore, Dr. R.V. Omkumar, Rajiv Gandhi Centre for Biotechnology, Kerala, and Dr. Anirban Basu, NBRC, Gurgaon have adorned the symposium with their enlightening lectures in areas of their specialization. General Secretary also had delivered the special lecture which was followed by the poster presentation by the students.

On the day two, oral paper presentation by the research students was scheduled in the morning. Later, plenary lecture was delivered by Dr. Sunil K Narayanan, Chair, Neurology Department, JIPMER, Pondicherry.

The technical session was studded with eminent speakers, Dr. Ellora Sen, NBRC, Gurgaon, Dr. Amal Kanti Bera, IIT Madras, Chennai, Dr. Rajpal Singh Kashyap, CIIMS Hospital, Nagpur, and Dr. Suhel Parvez, Jamia Hamdard University, New Delhi.

Further, a young scientist's session was arranged which hosted two lectures from young scientists from regional research institutes. All the sessions (which involved at least fifteen speakers) were chaired and co-chaired by renowned scientists from nearby institutes and SNCI members.

Additionally, a new episode of a value added lecture on brain health and spirituality was also arranged. Finally, during the valedictory function Dr. H Devaraj,

Former UGC Vice-Chairman had delivered his valedictory address and also distributed prizes to the best poster and oral presentations made by the student participants.

The SNCI promotes neurochemistry by organizing conferences and workshops at different Universities, research institutes of India. To further encourage faculty and students of particular region / place, local chapters are proposed. These local chapters will organize one-day symposium based on specific theme to encourage and enrich knowledge of the students in the neurochemistry / neuroscience apart from the annual meetings being organized elsewhere. At present few local chapters of SNCI are formed.



## **NAGPUR CHAPTER**

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## Society for Neurochemistry, India (SNCI)

### MEMBERSHIP FORM

1. Name : \_\_\_\_\_ Designation : \_\_\_\_\_
2. Briefly mention research interest / Field of Specialization : \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
3. Recommendation of the Supervisor (for scholars & postdocs) : \_\_\_\_\_
4. Type of Membership : ( Life / Annual / Student ) \_\_\_\_\_
5. Details of the payment : ( Cash / Cheque / Draft ) \_\_\_\_\_
6. Work Address : \_\_\_\_\_  
\_\_\_\_\_
7. Mailing address : \_\_\_\_\_  
\_\_\_\_\_
8. Email address : \_\_\_\_\_
9. Tel : \_\_\_\_\_

\_\_\_\_\_  
Signature of the Applicant

<b>Membership Fee</b>	<b>Life Membership</b>	<b>: Rs. 3000</b>
	<b>Foreign Countries</b>	<b>: US\$ 100</b>
	<b>Annual Student Membership</b>	<b>: Rs. 1000</b>
	<i>(Regular Students of M.Sc. and Research scholars without fellowship)</i>	

*Note : Please add Rs. 15 extra for outstation cheques.*

**Cheque or DD will be drawn in favour of Secretary, SNCI payable at Hyderabad**

**(FOR OFFICE USE ONLY)**

Life Membership No:

Receipt No:

\_\_\_\_\_  
Signature of the Secretary

**Membership is governed by the constitution and By-laws of the Society for Neurochemistry (India)**

**Note :** This form may be xeroxed.

The duly filled form along with the draft may be sent to **Prof. P. Prakash Babu**, Gen. Secretary, Society for Neurochemistry (India)

**Head Office : School of Life Sciences, University of Hyderabad, Hyderabad - 500 046. Email: [snci@uohyd.ernet.in](mailto:snci@uohyd.ernet.in); [ppbsl@uohyd.ernet.in](mailto:ppbsl@uohyd.ernet.in)**  
Tel: 040-23134584; Tel/Fax: 040-23013336; Fax: 040-23010120





Animal Cell culture Laboratory



Proteomic facility



Biochemical Technique



Immunological Facility

**TECHNOLOGY TRANSFER WING**

**Diagnostic kits for commercialization**

- 1) TB/EPTB PCR kit
- 2) Zoonotic & vector borne panel kit
- 3) Bacterial Meningitis panel kit
- 4) Neuroviruses panel kit
- 5) TB/Bovine Tuberculosis kit
- 6) Other infectious diseases kit

**Sample Bank** : CSF, Serum, Pleural fluid, Ascitic fluid, Sputum DNA, CSF DNA, MTB Isolates (CSF/Sputum), MDR Samples

**Contact Details :**

**Ms. Payal Khulkhule** (09960089591)      **Ms. Purna Khobragade** (09552462918)



Training Programmes



Training Programmes



Microbiology Laboratory

**PROJECT / PUBLICATION / PATENTS / PRODUCTS / LINKAGES**

1. Research Centre is recognized by **Department of Scientific and Industrial Research (DSIR), Govt. of India**
2. **Funded research projects (2006-2021): 16**  
**Major Funded Projects:** Indo UK Funded GCRF Project on Waste water Epidemiology & ICMR Funded Project on Zoonotic infections  
**Ongoing Projects (n=2)**
  - UK Sanctioned Project on *C. difficile*
  - DBT Sanctioned Project on Brucellosis in collaboration with NEHU, Shillong
3. **Patents:**
  - Granted: 02
  - In process: 02
4. **Publications** in national and international journals peer reviewed journals: 125
5. **PhD awarded:** Affiliation with RTMNU and DMIMS for Clinical Microbiology, Clinical Biochemistry and Medical Biotechnology
  - RTMNU: 08
  - DMIMS: 06
6. **Inhouse diagnostic kits developed: 40**
7. **Linkages:**
  - National: 52
  - International: 09
  - Hospitals/Pathologies: 35
8. **Memorandum of Understanding (MoU):**
  - Diagnostics: 07
  - Academics: 15
9. **Training and Workshops:**
  - Conferences: 08
  - Workshops: 25
  - Trainings : 65
  - Dissertations : 145
  - Outsourcing : 30
10. **Paper presented in conferences : 150**
11. **Policy Document : 3 (in process)**

**RESEARCH SERVICES**

- PhD Programs : In Clinical Biochemistry Medical Biotechnology and Medical Microbiology subjects
- Contract Research Service : Based on Immunology, Molecular Biology, Animal Cellculture, Proteomics and Microbiology.
- PG Research project work- Outsourcing projects based on Immunology, Molecular Biology, Animal Cell Culture, Proteomics and Microbiology.
- PG/ B. tech dissertation program,
- Intensive Skill Development Certificate course on Research and Development in Health Services
- Internship program for M.sc, B.sc, B.Tech (Life sciences)
- Hands-On Training and Course Programme Hands-On Training programs in Immunology, Molecular Biology, Animal Cell culture, Proteomics and Microbiology
- Research consultancy services.
- Laboratory setup consultancy services
- Online workshops and training programs

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Email- abhaya4069@gmail.com

**DIAGNOSTIC WING**

**1. Molecular Test**

- Conventional TB-PCR, Scrub Typhus PCR
- Duplex PCR
- Bacterial Meningitis Nested PCR Panel
- Neuroviruses Quantitative Real Time PCR Panel

**2. Immunological Test**

- TB-Biomarker Test
- Neuroviruses IgG/IgM test
- Chikungunya IgM Test
- InterLeukin-6 cytokine detection (IL-6)
- ADA Test
- Cryptococcal Antigen Lateral Flow Test
- Clostridium Difficile Lateral Flow Test

**3. Zoonotic Test Panel**

- Listeria PCR/IgM/Culture
- Brucella PCR/IgM/Culture
- M.bovis PCR/IgM
- Scrub Typhus IgM test

**4. Microbiological Test Panel**

- BacT/Alert 3D Advance TB Culture
- Clostridium Difficile Culture

**5. Covid Test Panel**

- Covid IgG-IgM test (Sero-surveillance)
- Anti SARS Covid-2 IgG ELISA test (Sero-surveillance)

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## International Conference on

# Frontiers in Neuroscience and Neurochemistry : Dynamic Challenges and Approaches

10th-12th October, 2019 at Jamia Hamdard, New Delhi  
Organized by Prof. Suhel Parvez



*International conference at Jamia Hamdard, New Delhi*



# SNCI

 newsletter-2021

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