

NEWSLETTER

September 2024
VOLUME 7

SOCIETY FOR NEUROCHEMISTRY, INDIA



ABOUT SNCI

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 & updates. With this background the Society for Neurochemistry, India (SNCI) started way back in 1979, as University of Hyderabad, Hyderabad as its Headquarters.

Society for Neurochemistry (SNCI) is a registered scientific body in Hyderabad. SNCI 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.



Panjab University



Panjab University - Gandhi-bhawan



XXXVIII ANNUAL MEETING OF SOCIETY FOR NEUROCHEMISTRY (INDIA)

International Conference on
INNOVATIONS & FUTURE PERSPECTIVES IN NEUROCHEMISTRY
September 26th - 28th, 2024

Pre-Conference Workshop on
ADVANCED TECHNIQUES IN MOLECULAR NEUROBIOLOGY
September 23th - 25th, 2024

Venue: PANJAB UNIVERSITY, CHANDIGARH-160014 (INDIA)

<https://www.snci2024.pu.ac.in>

Conference Secretariat :
Prof. Rajat Sandhir, Organising Secretary, SNCI-2024
Department of Biochemistry, Panjab University, Chandigarh-160014
Mobile : 84277 77856 • Email : snci2024pu@gmail.com

1st Annual hands-on-workshop on

"ADVANCED PRECLINICAL IMAGING IN DRUG DISCOVERY"

11th and 12th November 2024

Venue : Centre for Experimental Pharmacology & Toxicology,
JSS College of Pharmacy, JSS Academy of Higher Education & Research, Mysuru

Organising Secretary

Prof. Saravana Babu Chidambaram

Email : csaravanababu@gmail.com

contact : 090422 22277

Hands on training : **Live Cell and small animal imaging using
fluorescence and bioluminescence imaging**

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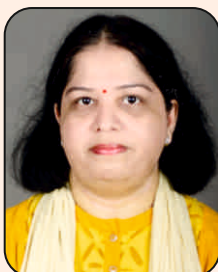
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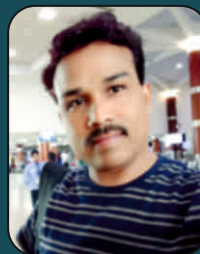


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SECRETARIAT SOCIETY FOR NEUROCHEMISTRY INDIA

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President's Desk : Prof. Amitabha Chattopadhyay



Prof. Amitabha Chattopadhyay

Greetings to all !

The Society for Neurochemistry, India (SNCI) was established in 1979, with the University of Hyderabad as its Headquarters with a clear mandate to train young minds for emerging concepts and techniques in neurochemistry and neuroscience. Over the years, SNCI has organized its annual meetings in different parts of the country, thereby encouraging young students and researchers in neurochemistry in a variety of ways. A unique aspect of these meetings is their relatively small size that allows friendly interaction among all participants, helping to build professional contacts and collaborations. The growth of neurochemistry research in India over the decades has been well reflected through the growth of SNCI.

I have had the privilege of experiencing the growth of SNCI closely. The 37th Annual Meeting of SNCI was organized by Dr. Dinesh Bhatia and his team at the beautiful campus of NEHU in Shillong in Meghalaya during 14-16 September last year, along with a pre-conference workshop. It was an exciting and successful meeting, thanks to Dr. Bhatia and his team. Let us applaud the hard work and excellent organization of Dr. Bhatia and his team for this successful event.

This year, I am delighted that the 38th Annual Meeting of SNCI will be organized, along with a pre-conference workshop, by Dr. Rajat Sandhir and his team at the Department of Biochemistry, Panjab University in Chandigarh during 26-28 September on the theme "Innovations and Future Perspectives in Neurochemistry". The venue of the conference, the city of Chandigarh, is a vibrant, modern city nestled at the foothills of the Shivalik Range which forms a part of the Himalayan ecosystem. In the last two decades, Chandigarh has transformed itself into a home to prestigious scientific institutions and emerging knowledge hub. This backdrop will be very appropriate for the Annual Meeting of SNCI. Dr. Sandhir and his team are planning and working hard in developing an exciting scientific program while also working on associated logistics. I am sure with these efforts, this will be an excellent meeting. On behalf of SNCI, I invite you all to actively participate in this meeting along with your colleagues and collaborators. Looking forward to meeting you all at Chandigarh!

Warm wishes

Vice President's Desk : Dr. Rajpal Singh Kashyap



Dr. Rajpal Singh Kashyap

Dear Esteemed Members and Colleagues,

It is with great honor and enthusiasm that I address you as the Vice President of the Society of Neurochemistry, India. This newsletter marks a significant moment in our journey as a community dedicated to advancing the field of neurochemistry.

Over the years, our society has made remarkable strides in understanding the intricate chemistry of the nervous system, driving groundbreaking research, and fostering collaboration among scientists and clinicians. Our collective efforts have not only contributed to scientific knowledge but have also paved the way for innovative solutions to neurological disorders.

As we look to the future of neuroscience in India, the landscape is filled with both challenges and extraordinary opportunities. Our nation stands at a pivotal moment, poised to make significant strides in understanding the complexities of the human brain and nervous system. The future of neuroscience in India is bright, driven by our robust research institutions and dedicated scientists. The expansion of research facilities and the focus on cutting-edge technologies such as neuroimaging, genomics and computational neuroscience will pave the way for breakthroughs in understanding and treating neurological disorders. The integration of neuroscience with other fields such as artificial intelligence, bioinformatics and clinical medicine will enhance our ability to unravel the mysteries of the brain. Collaborative efforts between academic institutions, industry & healthcare providers will accelerate the translation of research findings into practical applications.

With an increasing burden of neurological and psychiatric disorders in our population, there is a pressing need for targeted research and effective treatment strategies. Investing in neuroscience will not only advance our understanding but also improve diagnostics, therapies, and public health outcomes. Nurturing the next generation of neuroscientists through enhanced education and training programs is crucial. By fostering a culture of curiosity and innovation, we can inspire young researchers to explore new frontiers and contribute to the global neuroscience community.

India has the potential to become a leader in neuroscience research, influencing global scientific discourse and contributing to international collaborations. Our diverse population and unique research opportunities offer a valuable perspective that can drive global advancements in neuroscience. As we celebrate our achievements and milestones, let us embrace these opportunities with enthusiasm and commitment. The field of neurochemistry is dynamic and ever-evolving, and it is our shared responsibility to continue pushing the boundaries of knowledge and application.

By working together, we can advance the field of neuroscience in India and make meaningful contributions to science and society. Together, we can address the challenges of neurological diseases and enhance the quality of life for countless individuals.

At the end, I extend my heartfelt gratitude to each member for your unwavering dedication and contributions to the society. Your passion and expertise are the cornerstone of our success. Let us continue to work together, inspire one another, and make significant strides in the field of neurochemistry.

Thank you for your continued support and engagement.

Secretary's Desk : Prof. P. Prakash Babu



Prof. P. Prakash Babu

The society for neurochemistry, India, (SNCI) was established way back in 1979 in the name of Neurochemistry Society of India (NSI) by Dr. B. Ramamurthy a pioneer in neurosurgery in India and often recognized as the Father of Neurosurgery of India.

Incidentally, Dr. B. Ramamurthy is one of the founding members of Society for Neurochemistry, India (SNCI).

The SNCI was registered at Hyderabad (Telangana), University of Hyderabad as its Headquarters. This society has been a constituent society of Asian Pacific Society for Neurochemistry (APSN) and International Society for Neurochemistry (ISN) until this system was changed.

Society for Neurochemistry (SNCI) is promoting neurochemistry/ neuroscience in India and attracts younger generation towards studying neurochemistry. The SNCI is functioning from University of Hyderabad as its headquarters and currently it has over 650 life members. The society elects its executive body biannually which consists of President, Vice President, Secretary, Joint Secretary and Treasurer. Apart from these, executive members are elected from different parts of the country. The society encourages members to form local chapters in different states. The local chapters can organize small symposia and or workshops in their respective places. The society helps partially to conduct these events. Currently the society has 9 active local chapters, Bengaluru, Chennai, Goa, Hyderabad, Kolkata, Nagpur, New Delhi, Shillong (North-eastern region) and Varanasi. The SNCI organizes its annual meetings in different parts of the country. The SNCI promotes neurochemistry by organizing conferences and workshops at different institutes/ Universities across India. These workshops/schools are directed to train young students in the basic techniques in neurochemistry/ neuroscience. These workshops are planned for hands-on training on neurochemistry/ neuroscience techniques. More importantly, SNCI is encouraging students and faculty from neighbouring countries, Pakistan, Sri Lanka, Nepal, Bhutan, and Bangladesh to participate. The society inducts neuroscientists as life members and relevant information is sent to them from time to time. At the same time, young students are advised to carry on research activities in their labs while the society advises and helps them in problem solving and also allows them to work in other labs where better facilities are available.

In the annual meetings, students and faculties are encouraged with awards. Dr. G.M. Taori Memorial award best oral presentation, Suven Life Sciences Pharma award for the best poster award, Shri Akundi Narayana Murthy award for the early career scientists. Further, the society honours its senior members by Dr. B. Ramamurthy Oration award for Neurosurgeons, Prof. K. Subba Rao Oration award for the basic senior scientists. The society also felicitates its senior members with life time achievement award.

Secretary's (Outstation) Desk : Prof. Suhel Parvez



Prof. Suhel Parvez

As we celebrate another milestone for the Society of Neurochemistry, India I am filled with pride and gratitude for the remarkable strides we have made together. Over the past year, our collective efforts have not only deepened our understanding of neurochemistry but also fostered significant advancements in research and application. Our achievements are a testament to the dedication, expertise, and collaborative spirit of each member. Through ground breaking research, innovative projects, and active discussions, we have continued to push the boundaries of knowledge in neurochemistry, contributing to both scientific progress and practical solutions.

This year, Jamia Hamdard has successfully organized two days Symposium on 25th & 26th April 2024 focusing on exploring the Recent Advances in Neuroscience and Neurochemistry. The event provided a valuable platform for faculty members, scientists, postdoctoral fellows, doctoral students and postgraduate students to present their latest research.

We are pleased to announce the launch of our new SNCI website designed to enhance connectivity and provide valuable resources to our community. As we look forward to the future, let us continue to harness our shared passion and commitment to advance the field further. Together, we are not only shaping the future of neurochemistry but also making a lasting impact on global health and well-being.

I encourage all members to actively participate in our upcoming activities and take advantage of the opportunities provided by the society. Let us continue to work together, striving for excellence and innovation in all our endeavours.

The upcoming SNCI annual meeting hosted at Punjab University and organized by a dynamic life member of SNCI, Dr. Rajat Sandhir is an event for all those interested in neuroscience. Preceded by a training program, it will provide an excellent opportunity for young PhD scholars and PG students to gain valuable training.

I look forward to seeing participants from all across the country come together to this grand event a success.

Thank you for your unwavering support and contributions. Let us move forward with renewed enthusiasm and dedication.

The 37th Annual Meeting of Society for Neurochemistry, India

INTERNATIONAL CONFERENCE ON

“Neuroscience and Neurological Disorders”

14th to 16th September, 2023 at North Eastern Hill University, Shillong (India)



SNCI International Conference on Neuroscience and Neurological Disorders inaugurated in NEHU

The Department of Biomedical Engineering, North Eastern Hill University, Shillong is organizing an International Conference on the Neuroscience and Neurological Disorders” under the aegis of the 37th Annual Meeting of the Society of Neurochemistry India (SNCI) from 14th to 16th September, 2023.

The International Conference was inaugurated by Prof. P.S. Shukla, Vice Chancellor, NEHU, Shillong and Chief Guest, Dr. Geeta Jotwani, Deputy Director General and Scientist G, ICMR as Guest of Honor, Prof. M.K. Thakur, Hon. President, SNCI, Prof. Prakash Babu, Secretary General (HQs), SNCI, Prof. Iftexhar Hussain, Dean, SoT, NEHU, Dr. Dinesh Bhatia and Mr. Shyamal Mandal, Organizing Secretary and Joint Organizing Secretary respectively of the 37th Annual Meeting of SNCI alongwith other faculty members and staff of the University.

More than 100 invited delegates, speakers, academicians, scientists and participants from all parts of the country and abroad and our neighbouring countries

such as Nepal, Bangladesh alongwith few selected local participants are attending this International Conference on different upcoming areas of Neuroscience with practical demonstration and hands-on-sessions. The aim of the Conference is to provide participants with extensive knowledge with regards to the recent advancements in field of Neuroscience research and how to translate research from laboratory to market or bench to bedside to make it customized and affordable. The key features of the Conference lay emphasis on open scientific discussion with experts from academia, research organizations, scientists and industry professional, providing hands on laboratory training session with presentation of the participants through Oral and Poster presentations, group meetings and panel discussions with experts from Industry. Several awards in different categories are being presented to selected winners chosen by a panel of experts based on laid down parameters for evaluation and scientific merit.

In his opening remarks, Dr. Bhatia, enlightened the participants about the objectives of the International Conference and 37th SNCI Annual Meeting and how it



would be beneficial for the participants with emerging new technologies which are impacting all sectors especially the healthcare arena. He profusely thanked all those involved in organizing the event including the press and media for giving widespread coverage to the event. He profusely thanked the Society for Neurochemistry India (SNCI) for holding again its annual meeting at NEHU, Shillong in a span of less than a decade.

Prof. Hussain apprised participants about the applications of artificial intelligence, deep learning and machine learning in healthcare. He emphasized how they are changing the landscape in development of smart and affordable medical devices that could revolutionize the field of healthcare.

Prof.P.S. Shukla congratulated the event organizers for arranging such capacity building programmes on regular basis that would help the participants to develop their advanced skills thereby allowing dissemination of new knowledge and technological know-how to train working professionals and young minds to learn from challenges from past and build towards a new future for progress of mankind and the society at large. He requested for follow up action after the event so that report may be placed before the Central and State government

for development new with revision of existing policy documents in this area.

Prof. Geeta Jotwani emphasized on the need of organizing such events on regular basis and how they could help young budding professionals to make them abreast about different government schemes and allow for an interface between policy makers and scientists in defining and shaping the progress and future of the country on the path of development keeping abreast with latest technological developments.

Prof. M.K. Thakur and Prof. P. Babu stressed on the role of SNCI which was established in the year 1979 and how it has evolved over the years to develop the scientific temper in the field of neuroscience in the country and its role in grooming the budding scientists and researchers by utilizing existing resources from all parts of the country over the years since its inception.

Mr. Mandal in his vote of thanks address profusely thanked all those involved in smooth organization of the event and he wished that participants would have a pleasant stay in the campus and interact with people of the region to understand about the culture and traditions of the North-East region.



WORKSHOP ON
Advanced Techniques in Healthcare
 inaugurated in NEHU
 Date : 8th to 13th September 2023



The Department of Biomedical Engineering, North Eastern Hill University, Shillong is organizing a week long Workshop on “Advanced Techniques in Healthcare” under the aegis of the 37th Annual Meeting of the Society of Neurochemistry India (SNCI) from 8th to 13th September, 2023.

The workshop was inaugurated by Prof. Animesh Mishra, Registrar I/c, NEIGRIHMS, Shillong, Prof. B. Panda, Honorary Director, NERC-ICSSR, NEHU, Prof. D. Kandar, Dean I/c, SoT, NEHU, Dr. Sudip Paul Teacher Incharge, BME, Dr. Dinesh Bhatia and Mr. Shyamal Mandal, Organizing Secretary and Joint Organizing Secretary respectively of the 37th Annual Meeting of SNCI alongwith other faculty members and staff of the University.

Participants from all parts of the country and abroad alongwith few selected local participants are attending this hands-on-training workshop which includes demonstrations and laboratory sessions. The aim of the week long Workshop is to provide participants with extensive knowledge with regards to the recent advancements in the development of healthcare technologies and how to translate research from laboratory to market or bench to bedside to make it customized and affordable. The key features of the Workshop lay emphasis on open scientific discussion with experts from academia, research organizations, scientists and industry professional, providing hands on laboratory training session with presentation of the participants through symposia and group meetings and direct interactions with experts from Industry.

In his opening remarks, Dr. Bhatia, enlightened the participants about the objectives of the Workshop and how it would be beneficial for the participants with emerging new technologies which are impacting all sectors especially the healthcare arena. He profusely thanked all those involved in organizing the event including the press and media for giving

widespread coverage to the event. He informed that Workshop would be followed by International Conference from 14th to 16th September, 2023 wherein more than 100 scientists, academicians, experts and delegates from India and abroad would attend the 37th Annual meeting at NEHU, Shillong

Prof. Kandar apprised participants about the applications of artificial intelligence, deep learning and machine learning in healthcare. He emphasized how they are changing the landscape in development of smart and affordable medical devices that could revolutionize the field of healthcare. Prof. B. Panda emphasized on the economic and social aspects which requires to be understood while carrying out development and design of healthcare technologies by evaluating cost versus benefits for the society at large.

Prof. Animesh Mishra congratulated the event organizers for arranging such capacity building programmes on regular basis that would help the participants to develop their advanced skills thereby allowing dissemination of new knowledge and technological know-how to train working professionals and young minds to learn from challenges from past and build towards a new future for progress of mankind and the society at large. He further stressed on the role of SNCI which was established in the year 1979 and how it has evolved over the years to develop the scientific temper in the field of neuroscience in the country and its role in grooming the budding scientists and researchers by utilizing existing resources from all parts of the country over the years since its inception.

Mr. Mandal in his vote of thanks address profusely thanked all those involved in smooth organization of the event and he wished that participants would have a pleasant stay in the campus and interact with people of the region to understand about the culture and traditions of the North-East region.





SNCI AWARDS

1 **Suven Life Sciences Pharma Award for best poster presentation** (by application)

This award is for the research scholars below 30 years of age. Once received he/she will not be eligible for the same another time. The candidate/ applicant must be the life member of SNCI or annual member of that year of award of application. The awardee will be given cash prize of Rs. 2000/-, a memento and a certificate.

*The shortlisted candidates should present their research work in the annual meeting, judges will assess and recommend for the award.

2 **Dr. G. M. Taori Memorial Award for best oral presentation** (by application)



This award is for the research scholars below 30 years of age. Once received he/she will not be eligible for the same another time. The candidate/ applicant must be the life member of SNCI or annual member of that year of award of application. The awardee will be given cash prize of Rs. 2000/-, a memento and a certificate.

* The shortlisted candidates should present their research work in the annual meeting, judges will assess and recommend for the award.

*Number of awards of 1 & 2 may be increased based on the recommendations of the judges.

3 **Shri Akundi Narayana Murty Memorial Award for early career scientists** (by application)



This award acknowledges persons who have made excellent contributions to neurochemistry/ neuroscience research and training, often at the Post-doc level or a faculty. The candidate/ applicant must be the life member of SNCI and below 45 years age. The awardee will be presented with a medal and citation.

* The shortlisted candidates are asked deliver a talk on their research work in the annual meeting, judges will assess and recommend for the award.

4 **Dr. B. Ramamurthi Oration Award** by nomination (for Senior Medical practitioners)



Dr. B. Ramamurthi Oration Award honours clinicians/ medical professionals from various fields of neurochemistry / neuroscience/ neurology/ neurosurgery/ neurophysician etc., who are medical practitioners and contributed significantly for the research and/or teaching. Both the nominee and the candidate must be the life members of SNCI.

* The awardee will have to deliver a talk in the annual meeting.

5 **Prof. K. Subba Rao Oration Award** by nomination (for Senior Scientists)



Prof. K. Subba Rao Oration Award honors SNCI life members who have made outstanding contributions to neurochemistry / neuroscience basic science research and outreach at the University or at research institute level. Both the nominee and the candidate must be the life member of SNCI.

* The awardee will have to deliver a talk in the annual meeting.

6 **Life Time Achievement Award of SNCI** (nomination by the EC)

This award is highest accolade, honours a Professor or scientist's innovative and pioneering discoveries in neurochemistry/ neuroscience across his or her career while mentoring good number of Ph.Ds/ Post Docs and younger scientists. This award will be given to the SNCI life members who have made outstanding contributions to the field of neurochemistry / neuroscience research, outreach, and education about neuroscience through activities such as organizing conferences, workshops, knowledge translation activities like scientific outreach for the communities, etc typically at the university, or a research institute level.

All awards carry a citation and a memento. No travel support will be provided, however, the organizer of the annual conference will be requested to provide local hospitality for the awardees listed in the serial numbers 4, 5 and 6. Awards 4, 5, & 6 may be differed if suitable candidates are not nominated.

Terms & Conditions

- The primary nominator must be a senior SNCI life member in good standing.
- The candidate must be a senior SNCI life member in good standing.
- He/ She should have a significant contribution in neurochemistry/ neuroscience research.
- Actively attending and/ or organizing the academic activities of SNCI, contributed for the growth of the society, promotion of neurochemistry research and education.
- Candidates are welcome from academia, research institutes, industry, government, or other organizational affiliations.
- No candidate may receive more than one award in any given year.
- The current President, Vice President, Secretaries, Joint Secretaries, Treasurer and the (EC) Council members are ineligible for the awards during their active tenure.

Application format

- Name of the Applicant
- SNCI Life membership number
- Name of the proposer and membership number
- Name of the award applied for.....
- Brief summary of their contribution for the Neurochemistry/ neuroscience / fulfilling the criteria of the specific award in 200 words indicating academic, professional and research career journey, statement providing outstanding achievements.
- Brief CV 2 pages
- Recent publications (maximum 10) with impact factor & citations.
- A brief statement on the association of the nominee with the SNCI and his/ her contribution to the Society.

LIFETIME ACHIEVEMENT AWARD

Presented to

Prof. Shail Sharma

Honoring her contribution to
the field of Neurochemistry
SOCIETY FOR NEUROCHEMISTRY
INDIA (SNCI)

November 10th-12th, 2022, Nagpur



Hon'able Prof. Dr. Shail Sharma, former HOD and Professor of Biochemistry at AIIMS, New Delhi, was born in 1935. She earned her master's in Chemistry from Agra University in 1956 and completed her Ph.D. in Biochemistry at McGill University, Canada. Returning to India, she joined AIIMS, eventually becoming the HOD of Biochemistry. Her research at AIIMS focused on cAMP metabolism and RNA synthesis in developing rat brains. She received a Fogarty International Fellowship in 1974 to work at NIH, where she discovered high-affinity morphine receptors in Neuroblastoma x Glioma cell lines. She developed a model of "Dual Regulation of Adenylate Cyclase" responsible for development of tolerance and dependence on opiates. Back at AIIMS, she researched opiate addiction and identified role of vitamin C in preventing dependence. She also contributed to identifying cell surface proteins in Human Glioblastoma cells. After retiring in 1997, she continued as an Emeritus Scientist and collaborated with NIH. She remains dedicated to preventing opiate tolerance and continues exploring brain research.



SNCI Awardees 2023

Prof. K. SUBBA RAO ORATION AWARD FOR THE BASIC SCIENTISTS



Prof. M. K. Thakur

Banaras Hindu University, Varanasi

Cognitive aging - insights and
therapeutic interventions

Dr. B. RAMAMURTHI ORATION AWARD FOR CLINICIANS



Dr. Manas Panigrahi

Consultant Neurosurgeon, KIMS Hospital,
Secunderabad, T.S., India.

What is New in Neurosurgery?

Shri AKUNDI NARAYANA MURTI MEMORIAL AWARD



Dr. Bhavani Shankar Sahu

Assistant Professor/Scientist III,
National Brain Research Center, Manesar India

Dr. G. M. TAORI YOUNG SCIENTIST AWARD (BEST ORAL PRESENTATION)



Vincy Vijay

IICT, Hyderabad, India

Investigation on differential effects of chronic
stress on hippocampus of male & female mice

SUVEN LIFE SCIENCE PHARMA AWARD (BEST POSTER PRESENTATION)



Tousif A.H.

JSS Mysore

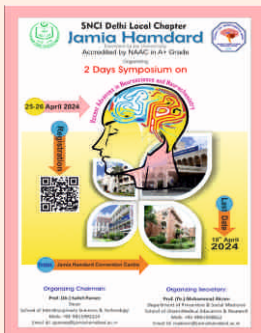


Activities of Jamia Hamdard, Delhi Chapter



A TWO DAY NATIONAL SYMPOSIUM ON Recent Trends of Neuroscience and Neurochemistry

Date : 25th and 26th April 2024
Venue : Jamia Hamdard, New Delhi



The SNCI Delhi Local Chapter organised two day national symposium on “Recent Trends of Neuroscience and Neurochemistry” on 25th and 26th April 2024. The symposium focussed on exploring the "Recent Advances in Neuroscience and Neurochemistry". There has been a tremendous impetus in neuroscience research in the past decade and this symposium created a platform for faculty members, scientists, post doctoral fellows, doctoral students and postgraduate students to present their latest findings. The symposium emphasized the demand of escalating the assimilated findings to be particularly and effectively exploited in the battle of unconquered brain health issues. The symposium promised to be a fascinating journey into the ever-evolving landscape of the brain and its chemical symphony. It helped participants to understand with a deeper appreciation for the intricate workings of the mind and the boundless potential for future discoveries in this rapidly advancing field.



The inaugural function was attended by Chief Guest Prof. (Dr.) Birendra Nath Mallick, Director, Amity Institute of Neuropsychology and Neuroscience, Guest of Honor Prof. M.K. Thakur-Banaras Hindu University, Prof. (Dr.) P. Prakash Babu – University of Hyderabad and was presided by Honorable Vice Chancellor of Jamia Hamdard Prof. (Dr.) M. Afshar Alam.



The symposium emphasized the demand of escalating the assimilated findings to be particularly and effectively exploited in the battle of unconquered brain health issues including the themes as under.

- Neurological Disorders
- Neuro-oncology
- Neurochemistry
- Neurotoxicology
- Learning and Memory
- Computational Neurobiology
- Neuro Immunology

REGISTRATION : The registration for the conference was done through an online portal. On-spot registrations were also done at the time of the conference. To ensure ease of registration, Google forms were used as the medium for online registration. Queries related to the registration and other conference details were promptly dealt with through fast email responses from the organizing team of the conference.



PROGRAM : The symposium took place over two days including various invited lectures were conducted along with Young Investigator sessions for the PhD Scholars and Poster session for Undergraduate and Postgraduate participants during the symposium. For each session, Invited lecture by various experts were given. A panel discussion was also scheduled in the perspective of highlighting the Research and Industrial opportunities in the field of Neuroscience and Neurochemistry.



SPEAKERS : Eminent speakers were invited to deliver lectures in their areas of specialization including

- **Prof. Rajat Sandhir**, Punjab University
- **Dr. Rehan Khan**, Institute of Nano Science & Technology
- **Dr. Arnab Mukhopadhyay**, National Institute of Immunology
- **Dr. Umesh Gupta**, Central University of Rajasthan
- **Dr. Vijay Paramanik**, Indira Gandhi National Tribal University
- **Dr. Nilesh Chandra**, Indian Council of Medical Research
- **Dr. Manoj Sharma**, Win-Medicare Pvt. Limited
- **Ms. Nishi Shabana**, LUME Legal
- **Dr. Hansrabha Mudgal**, Evalueserve
- **Dr. Debapriya Garabadu**, Central University of Punjab
- **Dr. Vivek Tiwari**, IISER, Behrampur
- **Dr. Shashank Kumar Maurya**, University of Delhi



PARTICIPANTS : More than 100 participants attended the symposium. Participants were Faculty Members, post-docs, PhD candidates, Postgraduate & Graduate students.

POSTER & YOUNG INVESTIGATOR SESSION : 60 Posters were evaluated for the Poster Awards based on scientific content, presentation, poster organization and overall impression / quality. The results are as under:

- 1st Prize : Ammar Tasleem, Jamia Hamdard (Prize money - Rs. 2500)
- 2nd Prize : Mohd. Humair Ali, Jamia Hamdard (Prize money - Rs. 2000)
- 3rd Prize : Prashant Dhaka, Jamia Hamdard (Prize money - Rs. 1500)

Consolation Prizes

- Anamika, SCLS, Jamia Hamdard (Prize money-Rs.500)
- Khushi Raza, SCLS, JamiaHamdard (Prize money-Rs.500)
- Sharon Mariam Abraham, BITS, Hyderabad (Prize money-Rs.500)



06 Young Investigator Presentations were evaluated for the Awards on the basis of scientific content, presentation, organization & overall impression / quality. **Oral Presentation Results**

- 1st Prize: Ahmed Shaney Rehman, Jamia Hamdard (Prize money-Rs. 2500)
- 2nd Prize: Rohan Chakraborty, Jamia Hamdard (Prize money - Rs. 2000)
- 3rd Prize: Selamu Kebamo Abate, Central University of Punjab (Prize money - Rs. 1500)

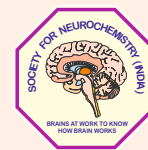
Organizing Chairman
Prof. (Dr.) Suhel Parvez
 Department of Toxicology
 School of Chemical & Life Sciences
 Jamia Hamdard

Organizing Secretary
Prof. (Dr.) Mohammad Akram
 Dept. of Preventive & Social Medicine
 School of Unani Medical Education
 and Research, Jamia Hamdard



**ONE WEEK WORKSHOP ON
“Translational Neuroscience : Bridging Gap
Between Bench to Bedside”**

Date : 18-24th April 2024
Venue : Jamia Hamdard, New Delhi



The SNCI Delhi Local Chapter organized one week workshop on Translational Neurosciences : Bridging gap between bench to bedside from 18th to 24th April 2024 at Jamia Hamdard Participants benefited from the Expert Lectures and Hands On Training.

Elaborative Information and Hand on Training was imparted to the participants on the following Domain:

- Cell Culture and Advanced Imaging System
- Utility of Drosophila Melanogaster as an alternate model for evaluating toxicity
- Caenorhabditis elegans : An alternative perspective for studying pesticide induced toxicity.
- Embryonic chicken egg as an alternative model for drug screening
- Computational models exploring molecular docking-based toxicity studies
- High throughput instrumentation in toxicology

The workshop focused on imparting information about the emerging clinical trends in neurological disorder research. The workshop aimed at exploring the technological advancements in the research techniques and their translational applications. Further, workshop helped participants at exploring the clinical aspects of experimental research in neuroscience and its translation at human research level. The participants had an insight about the conduct and design of clinical trials for neurological disorders, including the scientific writing aspect of the regulatory documents & clinical study reports.

30 participants from various Universities were shortlisted based on their credential for the Workshop.

The inaugural function was held at Convention Centre, Jamia Hamdard. The function was attended by Chief Guest-Dr. Natarajaseenivasan Kalimuthusamy, Director, ICMR-Regional Medical Research Centre, Dibrugarh, Prof. (Dr.) Afshar Alam –Vice Chancellor (Jamia Hamdard), Prof. (Dr.) S. Raisuddin – Dean SCLS, Prof.(Dr.) Suhel Parvez – Organizing Secretary and Prof. (Dr.) Mohammad Akram-Organizing Joint Secretary.

Valedictory Programme : The valedictory of the 7 days training program was conducted on 24th April 2024 at CoE Auditorium, Jamia Hamdard. The program was presided over by the presence of Hon'ble Chief Guest-Prof. Prakash Babu Phanithi, Secretary General (HQ), SNCI and Hon'ble Guest of Honour - Dr. Rajpal Singh Kashyap, Vice-President, SNCI. Participation certificates were awarded to the participants. In addition, few participants gave testimonials about their experience and learning during the workshop. Apart from the technical and scientific sessions, a soulful Ghazal programme was organized in the evening after the valedictory session.

SESSIONS DELIVERED BY EMINENT SPEAKERS

1. **Dr. Sushil K. Jha**, Jawaharlal Nehru University
Title: Neuroplasticity and Compensatory Mechanisms of the Brain
2. **Prof. Md. Imtaiyaz Hassan**, Jamia Milia Islamia
Title: Methods to Investigate Protein Aggregation in Neurodegenerative Disease
3. **Dr. Arshad Khuroo**, Jamia Hamdard
Title : Non-Verbal Communication



4. **Dr. Rashmi K. Ambasta**, SRM University
Title: Unmasking the dynamic role of Nox inhibitors in Neuro degenerative disorder therapy
5. **Prof. Pravir Kumar**, Delhi Technological University
Title: Biomedical Engineering Tools in Neurological Disorders
6. **Dr. Arnab Mukhopadhyay**, National Institute of Immunology
Title: Caenorhabditis elegans as a Model System for Drug Discovery
7. **Prof. Yasir Hasan Siddique, Prof. Yasir Hasan Siddique**
Title: Hydra and Drosophila as an Alternative Model for Toxicity Testing and Risk Assessment
8. **Dr. Swarna Dabral**, Maharishi Markandeshwar University
Title: Chick Embryo Session
9. **Prof. (Dr.) S. Raisuddin**, Jamia Hamdard
Title: Regulatory Framework and Alternative Models
10. **Dr. Mateen Zehgeer**, Jamia Hamdard
Title: Alternatives to Animal Research
11. **Dr. Pulkit Verma**, Indian Council of Medical Research
Title: Artificial Intelligence in Toxicology
12. **Prof. Shweta Dang**, Jaypee Institute of Information Technology
Title: Insights into the IPR aspects in Biopharma sector
13. **Dr. Umesh Gupta**, Central University of Rajasthan Rajasthan
Title: Non-Polymeric Formulation: Development and Characterization for Brain Delivery
14. **Dr. Rehan Khan**, Institute of Nano Science and Technology
15. **Dr. Andleeb Khan**, Integral University

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Activities of HQ., University of Hyderabad

SNCI Executive Committee Meeting

Date : 02-02-2024.

Venue : School of Life Sciences, University of Hyderabad



The Head Quarters, School of Life Sciences, University of Hyderabad organised a one-day symposium and Executive committee meeting. The Executive committee meeting was held on 02-20-2024 at 4pm in the meeting hall at School of Life Sciences, University of Hyderabad. Major deliberations include, nomination of Bangalore Chapter Co-ordinator Prof. Sreekumar & Dr Subashchandrabose Chinnathambi as the Co- Coordinator. Dr. Shanti Desai is nominated as the Coordinator and Dr. Veeky Baths as the Co-coordinator, Goa Chapter. Dr. Vinod Tiwari, IIT- BHU is nominated as the Coordinator of Varanasi Local Chapter. Prof. Rajat Sandhir, Organizing Secretary announced dates of the annual meeting from 26th to 28th September 2024. Further, Prof. Akram agreed to host a new SNCI website. The Executive Committee felicitated Dr. Arvind Kumar, CCMB who was superannuated in January 2024.



**ONE DAY SYMPOSIUM ON
Recent Advances in Neuroscience**

Date : 03-02-2024

Venue : School of Life Sciences, University of Hyderabad



On 3-2-2024, one day symposium was organised with the young speakers from the SNCI.

The inaugural talk was delivered by Prof. Amitabha Chattopadhyay, President followed by the young speakers delivered talks. The EC members were also discussed on the roadmap on the SNCI activities during the symposium. During this symposium students actively participated and presented posters.



Organised by :
Dr. Prakash Babu (General Secretary SNCI),
Professor (Senior Grade), Director, UGC- HRDC, UoH Former
Pro Vice-Chancellor Former Dean,
School of Medical Sciences
prakash@uohyd.ac.in; prakashbabuphanithi@gmail.com

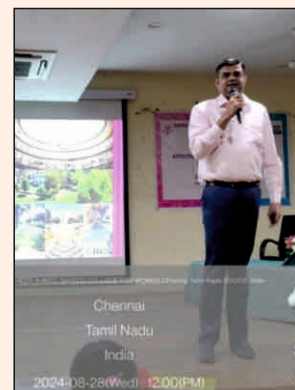
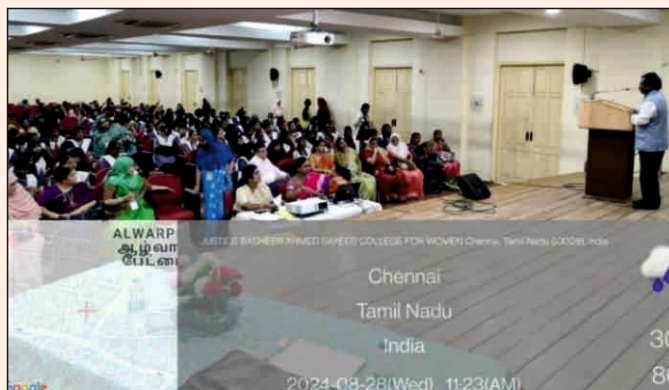




Activities of Chennai Chapter

Report on National Health Awareness Program

SENSITIZATION ON NEUROHEALTH



Neurohealth is a crucial aspect of overall well-being that often goes overlooked. To shed more light on this facet, Members of the Chennai Chapter of Society for Neuro Chemistry (India) had contemplated and conceived an event of awareness. Accordingly, the member of the regional chapter from Department of Biochemistry, Justice Basheer Ahmed Sayeed College for Women, under the auspices of Fathima Akhtar Health Club joined hands with EC, SNCI (CC) and organized a National Awareness Program on 28th August 2024, at Golden Jubilee Seminar Hall between 10.00 a.m to 1.00 p.m on the topic “Sensitization on Neurohealth”.

As we navigated through this topic, it offered all attendees (150 school students, 150 college students, teachers from School and faculty members from our college) a plethora of insights, enabled fruitful interactions and inspired fresh perspectives on the topic. Dr. Rizwana Begum, Head, Dept of Biochemistry, presented the welcome address and introduced the guests to the audience. Mrs. Tasleem Tabassum, the organizing secretary and Assistant professor from Department of Biochemistry, presented the dynamics of health club. Dr. Amthul Azeez, Principal and Correspondent of J.B.A.S. College for Women, delivered the felicitation address.

Dr. Prakash Babu Phanithi, Senior Professor, Department of Biotechnology and Bioinformatics, School of life sciences, University of Hyderabad in his keynote address gave an eloquent

presentation on rudiments of brain and its functioning.

Despite the fact that brain health is at the core of everything, we humans don’t appreciate and take care as we care for our skin. Dr. Suhel Parvez, Professor, Department of toxicology, School of chemical & life sciences, Jamia Hamdard, New Delhi, nailed this fact with his captivating and interactive presentation on “Beyond the Surface: Unraveling the Tapestry of Your Mind”.

Dr. Varalakshmi Manchana, Assistant Professor, School of Medical Sciences, University of Hyderabad gave an excellent presentation on “Brain Health and Cognitive Reserve”. She also gave tips to improve brain health.

Prof. A.J. Vanisree, Head, Department of Biochemistry, University of Madras who had conceived and was key instrumental in conducting this program conveyed her wishes and honored winners of the intercollegiate E-poster competition on “Lifestyle modifications for Neurohealth”.

In the quest to forge healthy eating habits among the students, red banana which offers variety of health benefits in particular that supports elevating brain health was served as refreshments to all the student participants.

On the whole the mind was not just filled but ignited with fire and all witnessed an information symphony that will undoubtedly add value to each of our lives.





Activities of Varanasi Chapter

Report of the Meeting

Date : 04-05-2024

Venue : Seminar Room, Department of Pharmaceutical Engineering & Technology, IIT (B.H.U)



Society for Neurochemistry, India-Varanasi Chapter Report of the Meeting The Society for Neurochemistry, India (SNCI) Varanasi local chapter conducted its 1st meeting on the 4th May 2024, in the Seminar Room of the Department of Pharmaceutical Engineering & Technology, IIT (B.H.U). The session was scheduled from 4:00 to 5:00 PM and saw an enthusiastic gathering of both faculty and student members. The SNCI Varanasi Chapter meeting commenced with a welcome address by Dr. Vinod Tiwari, the chapter coordinator, initiated the meeting with a warm welcome address.

Prof. M. K. Thakur, Honorary President of SNCI, provided insights into the society's role in advancing neuroscience research and emphasized the benefits of SNCI membership, particularly for student engagement and raising awareness about neurochemistry. Dr. Vinod Tiwari presented the agenda for the meeting, outlining an ambitious plan for upcoming events.

He proposed to organize a regional meeting in July 2024, to conduct a workshop on the latest advancements in neurochemistry. This event aims to bring together researchers, scholars, and enthusiasts in the field to exchange ideas, discuss cutting-edge research, and foster collaborations. It will feature brainstorming, engaging lectures, and hands-on training sessions covering various molecular techniques. Furthermore, Dr. Tiwari discussed plans for a one-day meeting in December 2024, aimed at furthering the chapter's goals. This event will include student-led events, oral & poster presentations, exhibition of neurochemistry products and services. The SNCI Varanasi Chapter has an extensive plan for 2025, beginning with workshops and symposiums from January to March covering topics such as neurotransmitters, neuro degenerative diseases,

and advanced techniques in neurochemistry. From April to June, a scientific lecture series, featuring national and international speakers. July to September will include poster presentations and a quiz competition, with calls for abstracts and papers, exciting activities, prizes and a campus tour for students, all aimed at fostering collaborative efforts. The year will conclude from October to December with a review of the year's activities, soliciting feedback and suggestions, and outlining the next steps and timelines for future initiatives.

Further, the local chapter community ensued frequent interactive sessions for research scholars through panel discussions, workshops, and peer-led seminars in the coming years. Strategies for increasing public outreach were brainstormed, such as community health camps, public lectures/webinars, school collaborations and social media engagement. Senior faculty members proposed a one-year membership option for master's students at 1000 rupees, with an option to upgrade to life membership by paying the balance. An innovative suggestion was made to form interdisciplinary student teams, comprising 5-6 students each. This approach is intended to promote collaboration and foster a more dynamic and active ecosystem among young members, encouraging them to work together on diverse neurochemistry projects.

The meeting concluded on a positive note, with a collective commitment to advancing neurochemistry research and education within the Varanasi Chapter of SNCI. The members expressed a strong resolve to work collaboratively towards achieving the chapter's goals, ensuring continued growth and success in their scientific endeavors.





Membership of SNCI

Society for Neurochemistry, India (SNCI)

MEMBERSHIP FORM

- Name : _____ Designation : _____
- Briefly mention research interest / Field of Specialization : _____

- Recommendation of the Supervisor (for scholars & postdocs) : _____
- Type of Membership : (Life / Annual / Student) _____
- Details of the payment : (Cash / Cheque / Draft) _____
- Work Address : _____

- Mailing address : _____

- Email address : _____
- Tel : _____

Signature of the Applicant

Membership Fee	Life Membership	: Rs. 4000
	Foreign Countries	: US\$ 100
	Annual Student Membership	: Rs. 1000
	<i>(Regular Students of M.Sc. and Research scholars without fellowship)</i>	

Note: • Please add Rs. 15 extra for outstation cheques. • If the student want to upgrade the membership within valid period. They can do so by paying Balance amount for Life Membership Fee.

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



Bank details : Account Name : **Society for Neurochemistry, India**
 Bank Name : **State Bank of India**, Hyderabad University Campus branch, Gachibowli, Hyderabad
 Account No. : **10222817302** Branch Code : **5916**
 IFSC : **SBIN0005916** MICR : **500002063** CIF No. : **80174295158**

(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: sncl@uohyd.ernet.in; ppbsl@uohyd.ernet.in
 Tel: 040-23134584; Tel/Fax: 040-23013336; Fax: 040-23010120

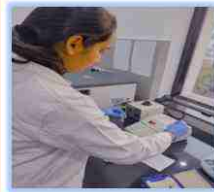
Dr. G. M. TAORI CIIMS RESEARCH CENTRE @ A GLANCE



Animal Cell culture Laboratory



Proteomic facility



Biochemical Technique



Immunological Facility



Microbiology Laboratory

TECHNOLOGY TRANSFER WING

Diagnostic kits for commercialization

- TB/EPTB PCR kit
- Zoonotic & vector borne panel kit
- Bacterial Meningitis panel kit
- Neuroviruses panel kit
- TB/Bovine Tuberculosis kit
- Other infectious diseases kit

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

Collaboration with Companies;

- RedLotus Pharmtech Pvt. Ltd., Nagpur
- GeNext Genomics Pvt Ltd., Nagpur
- SINE (IIT Bombay)
- ASPIRE BioNEST, University of Hyderabad
- Triyat Scientific, Nagpur
- ACE Company, Mauritius
- Pathkind Group, Gurgaon
- Zeon Biotech Pvt. Ltd. Ahmadabad
- BSC BioNEST Bio-Incubator, Haryana
- Atmen Company, Pune
- IIIT, Nagpur

CONTACT DETAILS:

CIIMS Research Lab (7875445071)

OUT SOURCING and CAPACITY BUILDING WING

- 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 & 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

Dr. Amit R. Nayak

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(M) 9960089591
E-mail : payalkhulkhule@gmail.com



Training Programmes



Anaerobic Culture Facility



Next Generation Sequencing Facility

DIAGNOSTIC WING

1. Molecular Test

- Conventional TB-PCR, Scrub Typhus PCR
- Duplex PCR
- Bacterial Meningitis Nested PCR Panel
- Neuroviruses Quantitative Real Time PCR Panel
- Combo-C Test
- HCV Quantitative RT-PCR test
- DNA Viral Real Time PCR test (CMV, EBV,HSV, VZV)
- RNA Viral Real Time PCR test (CHPV, Dengue-1, 2, 3, 4, JEV, WNV)
- Carbapenem multiplex PCR
- ESBL PCR

2. Immunological Test

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

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)

Contact Details

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Research Officer, CIIMS, Nagpur
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ACADEMIC WING

- Research Centre is recognized by Department of Scientific & Industrial Research (DSIR), Govt. of India
- Funded research projects (2006-2024): 20 Major Funded Projects:

- ICMR Project on Metagenomics
- Bill and Melinda Gates Foundation project on Metagenomics for undiagnosed Meningoencephalitis cases
- DNA INSACOG Project on Genomic Surveillance for SARS-Cov2 in India

3. Patents:

- Granted: 06
- Filed: 03
- In process: 02

- Publications in national and international journals peer reviewed journals: 142

- PhD awarded: Affiliation with RTMNU and DMIMS for Clinical Microbiology, Clinical Biochemistry and Medical Biotechnology

- RTMNU: 09

- DMIMS: 06 (03 ongoing)

- Inhouse diagnostic kits developed: >40

Linkages:

- National: 52

- International: 09

- Hospitals/Pathologies: 35

- Companies: 15

8. Memorandum of Understanding (MoU):

- Diagnostics: 07

- Academics: 38

9. Training and Workshops:

- Conferences: 11

- Workshops: 35

- Trainings: 80

- Dissertations: >200

- Outsourcing: 70

- Skill development for Research and Development in Health Services: 18

- Internship: 15

- 10. Paper presented in conferences: 150

- 11. Policy Document: 3 (in process)

Dr. Aliabbas Husain

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Email : ciimsresearchlab@gmail.com • Web Page : https://ciimsarc.com

International Conference on

“Neuroscience and Neurological Disorders”

14th to 16th September, 2023

at Department of Biomedical Engineering, North Eastern Hill University, Shillong (India)



Email: snci@uohyd.ac.in
<https://snci.co.in>



SNCI

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