



INDIAN ACADEMY OF NEUROSCIENCES

(Registered Under Societies Registration Act XXI 1860)

June 2023

Message from the President



Dr Ishan K. Patro

Dear Friends,

We are back with yet another issue of the Newsletter of the Indian Academy of Neurosciences.

On 22nd December 2022, we lost our beloved mentor, an accomplished scientist, founder member and Fellow of the Academy and a wonderful human being – Professor Prahlad Kishore Seth. He breathed his last in New Delhi, after a brief illness. The country lost a great scientist and we lost a fatherly figure. This gap in IAN can hardly be filled.

After a very successful Annual Meeting last year at North Eastern Hill University, Shillong we all got back to work with enthusiasm and great spirits. It is time again to meet and discuss our effort towards understanding the brain in health and diseases. The support of Hon'ble Vice Chancellor Professor P.S. Shukla and efforts of Dr Sudip Paul and his team made the event a great success. The Academy keeps in record this success story.

This October (3rd to 6th) we are meeting again at our place, Gwalior. Jiwaji University was the first to host a Post-graduate teaching programme in Neuroscience and have the first University teaching Department of Neuroscience in India. The Department also pioneered in glial cell research in the country and led the DBT-National Initiative on Glial Cell Research in Health and Disease.

The XLI Annual Meeting of the Academy will include several pre-conference activities and the International Conference on "Brain: Chemistry to Cognition". The meeting is expected to have Keynote addresses, distinguished lectures, orations, plenary lectures, symposia, invited lectures, poster presentations, etc. There will be several opportunities for the young scientists to compete for several awards of the Academy.

On behalf of the Jiwaji University fraternity and on my own as the Organizing Secretary, I welcome you and your group to the Annual Meeting. The Second Circular of the same is included in this Newsletter. Kindly visit the site www.iangwalior2023.com for more details and to register for the meeting and the International Conference. Looking forward to see you at historic city of Gwalior.

With regards,

Ishan K. Patro
Jiwaji University, Gwalior

Report



Dr Vinay K. Khanna



Dr Pankaj Seth

Dear Colleagues,

Greetings to you all from Indian Academy of Neurosciences (IAN) !!

The annual meeting at North Eastern Hill University, Shillong, Meghalaya during December 8 - 10, 2022 was a great success. It was for the first time the annual meeting was organized in the northeastern region in the country, which also fulfilled the commitment of IAN to have meeting in different regions of the country to have representations from distant places. During the meeting, delegates addressed important areas of neurosciences encompassing the basic and clinical aspects of brain disorders. The meeting was preceded by three pre-conference workshops on current areas such as Brain Signal Analysis using EEG, Computational neuroscience and neurorehabilitation and Science communication. All workshops were rated high by the participants. The meeting organized in the physical mode after a gap of two years was attended by delegates in large numbers from India and abroad. Among its attendees were several established and early career neuroscientists of the country from IISERs, NIPERs, IITs, AIIMS, NIMHANS, BHU, NBRC, IITR, CDRI, IISc, PGIMER and several leading institutions and universities.

Over the years, the Academy has made sincere efforts to have its presence felt among the neuroscience community on the global platform. The Academy has strong association with the International Brain Research Organization (IBRO), Federation of Asian Oceanian Neuroscience Societies (FAONS) and several other neuroscience societies. As in yester years, the Japan Neuroscience Society has accepted recommendations of IAN to support participation of young Indian neuroscientists with complete financial assistance in the upcoming 46th Annual meeting of the Japan Neuroscience Society at Sendai International Center, Japan in August 2023.

Continuing with the high academic standards, IAN has further expanded its membership by adding 78 Life Members and 86 Associate Members from various institutions and universities of the country during the year. The Academy has chosen world renowned neurovirologist Dr Avindra Nath, Clinical Director, National Institute of Neurological Disorders and Stroke, National Institutes of Health, Bethesda, USA, as Honorary Fellow. We also take the opportunity to congratulate Dr Anirban Basu (NBRC, Manesar), Dr TC Nag (AIIMS, New Delhi), Dr SC Biswas (CSIR-IICB, Kolkata) and Dr Phalguni A. Alladi (NIMHANS, Bengaluru) for being elected as Fellows of IAN based on their contributions in the respective areas of neurosciences. Further, the endeavours of Conveners to organize workshops with the support of IBRO and workshops/symposia under the auspices of local chapters are much appreciated as these have helped the young researchers and scientists in their career building.

It is a matter of pride and delight for all of us that the new impact factor for our journal - Annals of Neurosciences as per official release of impact factors by Clarivate is 1.5. The efforts of Dr Akshay Anand, the Chief Editor of the journal and dynamic members of his editorial team are much appreciated for their sincere efforts to have this as a new beginning. Hope the journal will touch new heights in the years to come. Further, efforts of Dr Akshay Anand for editing the book - Quality Assurance Implementation in Research Labs, published by Springer are much lauded.

To recognize and felicitate pioneers in the field of basic and clinical neurosciences, the Academy has constituted two orations in honour of Professor PN Tandon and Professor SS Parmar, the stalwarts in the field of neurosurgery and neuropharmacology respectively. The PN Tandon inaugural oration was delivered by Professor Ashok K. Mahapatra, Siksha 'O' Anusandhan (Deemed to be University), India and SS Parmar inaugural oration was delivered by Professor Subhash C. Pandey, University of Illinois at Chicago, USA during the XL annual meeting of IAN at Shillong, Meghalaya.

We wish to meet and interact with you during the XLI IAN meeting at Gwalior being organized at Jiwaji University, Gwalior from October 4 - 6, 2023.

Vinay K. Khanna
Secretary, HQ

Pankaj Seth
General Secretary

Elected Fellows - 2022



Dr (Ms). Phalguni Anand Alladi
Scientist 'F'
Department of Clinical Psychopharmacology &
Neurotoxicology
National Institute of Mental Health and
Neurosciences, Hosur Road
Bengaluru – 560 029, India
Email: alladiphalguni@yahoo.com



Dr Anirban Basu
Scientist-VII & Senior Professor
National Brain Research Centre
NH-8, Manesar, Gurgaon
Haryana-122 052, India
Email: anirban@nbrc.ac.in



Dr Tapas Chandra Nag
Professor
Department of Anatomy
All India Institute of Medical Sciences
New Delhi – 110 029, India
Email: tapas_nag@yahoo.com



Dr Subhas Chandra Biswas
Senior Principal Scientist and
Professor of Biological Sciences, AcSIR
Neurodegenerative Diseases Research Laboratory
Cell Biology & Physiology Division
CSIR-Indian Institute of Chemical Biology
4, Raja S. C. Mullick Road, Kolkata – 700 032, India
Email: subhasbiswas@iicb.res.in

Elected Honorary Fellow - 2022



Dr Avindra Nath
Senior Investigator and Clinical Director
Section of Infections of The Nervous System
Division of Neuroimmunology & Neurovirology
National Institutes of Health (NIH)
BG 10 RM 7C103, 10 CENTER DR
BETHESDA MD 20814
Email: avindra.nath@nih.gov

Orations - 2022

KT Shetty Memorial Oration



Dr Suresh L. Mehta
Associate Scientist
Department of Neurological Surgery
University of Wisconsin (UoW)
School of Medicine and Public Health
Madison, WI 53792 USA
Email: mehta@neurosurgery.wisc.edu

Title:
Noncoding RNAs and post-stroke functional outcomes

SS Parmar Oration



Dr Subhash C. Pandey, PhD
Center for Alcohol Research in Epigenetics
Department of Psychiatry
University of Illinois at Chicago (UIC) &
Jesse Brown VA Medical Center
Chicago IL 60612, USA
Email: scpandey@uic.edu

Title
*Leveraging Genomic and Epigenomic Approaches
to Define the Neurobiology of anxiety and Alcohol use
Disorder*

PN Tandon Oration



Dr Ashok K. Mahapatra
Vice Chancellor
Siksha 'O' Anusandhan (Deemed to be University)
Bhubaneswar, Odisha, India
Email: akmahapatra22000@gmail.com

Title
Development of Neurosciences in India

XL Annual Meeting of Indian Academy of Neurosciences - IAN 2022 Awardees

Tulsabai Somani Educational Trust Award

Aliya Mufti, Department of Physiology, All India Institute of Medical Sciences, Ansari Nagar, New Delhi, India;
Email: aliyamuftiaiims@gmail.com

Cortical Transcranial Magnetic Stimulation a Promising Biomarker and therapeutic modality to induce Synaptic Plasticity in Cerebral Palsy Children with Single and Paired Pulses Paradigm

DM Kar Prize

Krishna S. Nair, Centre for Development & Ageing Research (CDAR), Inter University Centre for Biomedical Research and Super Speciality Hospital, MG University Campus at Thalappady, Rubber Board PO, Kottayam, Kerala, India; Email: krishnavishnu111@gmail.com

Saccades in young adults with autism spectrum disorder (ASD) and attention deficient hyperactivity (ADHD) traits: Indications of reduced social preference in ASD

Jyotsnamoyee - Raghunath Bhattacharya Prize

Aditi Naskar, Department of Clinical Psychopharmacology & Neurotoxicology, National Institute of Mental Health and Neurosciences, Hosur Road, Bengaluru, India; Email: aditinaskar8@gmail.com

Fibrinogen and Complement Factor H Are Promising CSF Protein Biomarkers for Parkinson's Disease with Cognitive Impairment- A Proteomics-ELISA-Based Study; ACS Chem. Neurosci. 2022, 13, 1030-1045, <https://doi.org/10.1021/acscchemneuro.2c00019>

SS Parmar Research Foundation (USA) Award

Urmila John, School of Studies in Neuroscience, Jiwaji University, Gwalior, India;
Email: waniurmi666@gmail.com

CSPG upregulation causes impaired dendritogenesis and spinogenesis, leading to synaptic dysregulation and inhibition of plasticity in a double-hit rat model of protein malnutrition (PMN) and bacterial infection (LPS)

Uzair Ahmad Ansari, Developmental Toxicology Laboratory, Systems Toxicology & Health Risk Assessment Group, CSIR - Indian Institute of Toxicology Research, Vishvigyan Bhavan, Mahatma Gandhi Marg, Lucknow, Uttar Pradesh, India; Email: ansari.uzair009@gmail.com

Towards the development of human iPSCs derived TDP43 linked model of ALS: Critical involvement of autophagy and lysosomal dynamics

Suttee Nag Prize

Monika Patel, Neuroscience and Ageing Biology, CSIR-Central Drug Research Institute, Sector 10, Jankipuram Extension, Sitapur Road, Lucknow, Uttar Pradesh, India; Email: monikamicro1991@gmail.com

The effect and mechanism of CXCL10 modulation of neuroinflammation and its consequences on synaptic plasticity and cognition

Vanika Dhingra, Centre For Neuroscience, Old TIFR Building, Indian Institute Science, Bangalore, India;
Email: vanikad@iisc.ac.in

Role of sub-synaptic molecular organization in modulating synaptic transmission

S/N Bangalore Chapter Award

Somasish Ghosh Dastidar, Centre for Molecular Neurosciences, Kasturba Medical College, Manipal, Manipal Academy of Higher Education, Manipal, Udipi, Karnataka, India; Email: somasish.gd@manipal.edu

Deciphering if Senataxin, a gene whose mutation leads to Amyotrophic lateral Sclerosis 4, may act as a genetic modifier for sporadic Amyotrophic Lateral Sclerosis and familial Amyotrophic Lateral Sclerosis

Neha Yadav, Department of Biological Sciences, Indian Institute of Science Education and Research, Berhampur, Berhampur, Odisha, India; Email: nehay@iiserbpr.ac.in

Advanced Neuroimaging and Event Based Modeling of Brain Structures and Microstructures: Development of Imaging based artificial intelligence platform predictive of Cognitive status and Dementia

Best Paper Award from the Organizers

Abinaya Raghavan, Manipal Institute of Regenerative Medicine, Manipal Academy of Higher Education, Bengaluru, Karnataka, India; Email:

Parkinson's pathology induced mitochondrial toxicities promote biogenesis of tunneling nanotubes and proliferation of glial cells

Soumya B S, Manipal Institute of Regenerative Medicine, Manipal Academy of Higher Education, Bengaluru, Karnataka, India; Email:

Comprehending the molecular cascade promoting motor neuron degeneration in a stem cell model of Amyotrophic Lateral Sclerosis

Hemant Subhashrao Kanhere, Department of Pharmaceutical Sciences, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, Maharashtra, India; Email: hemantkanhere93522@gmail.com

Deep brain stimulation of lateral habenula reverses depressive phenotype in the chronic unpredictable mild stress induced depressed rats

Deepak K V, Manipal Institute of Regenerative Medicine, Manipal Academy of Higher Education, Bengaluru, Karnataka, India; Email:

The role of p21 activated kinase in the repair of oligomeric amyloid- β^2 induced plasma membrane damage and its implication in pathology spreading in Alzheimer's disease

Yogesh Sahu, Laboratory of Axon Growth and Regeneration, CSIR-Centre for Cellular & Molecular Biology Habsiguda, Uppal Road, Hyderabad, Telangana, India; Email: yogeshsahu@ccmb.res.in

Transcriptional Control of Mammalian Axon Regeneration - Role of Nuclear Receptors (NR) family of Transcription factors

Travel Awards

IAN Travel Award

1. **Pankaj**, AIIMS, New Delhi
2. **Saurabh Kumar**, PGIMER, Chandigarh
3. **Manas Ranjan Sahu**, JNU, New Delhi
4. **Hagera Dilnashin**, BHU, Varanasi
5. **Kanupriya Sharma**, PGIMER, Chandigarh
6. **Kalyan Maity**, SVYAS, Bengaluru
7. **Priya Mehra**, PU, Chandigarh
8. **Annapoorna PK**, CSIR-CCMB, Hyderabad

Ravindra and Lalita Nath Travel Fellowship

1. **Bhaskar Sharma**, AIIMS, New Delhi
2. **Richa Singh**, BHU, Varanasi
3. **Aaina Singh Rathore**, BHU, Varanasi
4. **Priyanka Kumari Keshri**, BHU, Varanasi
5. **Radhika Khosla**, PGIMER, Chandigarh
6. **Nidhi Ghosh**, BHU, Varanasi
7. **Pooja Nadholta**, PGIMER, Chandigarh
8. **Vaishali Kumar**, BITS-Pilani, Hyderabad
9. **Urmilla John**, Jiwaji University, Gwalior



Patron

Prof. Avinash Tiwari
Vice Chancellor, Jiwaji University

International Advisory Committee

Prof. PN Tandon, **Chairman**
Prof. Bruce Alberts, USA
Prof. Tom Albright, USA
Prof. SP Arun, India
Prof. Tracy Bale, USA
Prof. Timothy Bredy, Australia
Prof. Ying-Shing Chan, Hong Kong
Prof. Sarat Chandra, India
Prof. Gavin S Dawe, Singapore
Prof. ST Dheen, Singapore
Prof. Motomichi Doi, Japan
Prof. Anthony Hannan, Australia
Prof. Rajesh N Kalaria, UK
Prof. Sunil Kaul, Japan
Prof. AJ Lawrence, Australia
Prof. Pratima Murthy, India
Prof. MM Parida, India
Prof. Krishnanu Ray, India
Prof. LS Sashidhara, India
Prof. H Steinbusch, The Netherlands
Prof. Toru Takumi, Japan
Prof. Raghu Vemuganti, USA
Prof. Ishan Patro, **Convener**

Indian Academy of Neurosciences

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Prof. Ishan Patro

Vice Presidents, IAN

Prof. Renu Wadhwa

Prof. Anirban Basu

Dean, IAN

Prof. TR Raju

Secretaries, IAN

Prof. VK Khanna

Prof. Pankaj Seth

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Prof. AK Agrawal

Editor, IAN

Prof. Akshay Anand

Team Jiwaji University

Prof. DN Goswami
Rector, Jiwaji University

Dr. RK Baghel

Registrar, Jiwaji University

Dr. Rajiv Mishra

Finance Comptroller

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Prof. Ishan Patro (Organizing Secretary)

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Prof. GBKS Prasad

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Prof. SN Mohapatra

Prof. Yogesh Upadhyay

Prof. DC Gupta

Prof. Mukul Tailang

Prof. MK Gupta

Prof. SD Sisodia

Prof. S Bhagyawant

Dr. Nisha Patro

XLI Annual Meeting of the Indian Academy of Neurosciences and International Conference on BRAIN: CHEMISTRY TO COGNITION

October 4-6, 2023

With Pre-Conference Activities on October 03, 2023

Jiwaji University, Gwalior

(A NAAC Accredited A++ State University)

Second Circular

The 41st Annual Meeting of the Indian Academy of Neurosciences and the International Conference on "Brain: Chemistry to Cognition" along with its Pre-Conference activities, is hosted by the Jiwaji University. As a leading university with an A++ accreditation from the National Assessment and Accreditation Council, Jiwaji University is at the forefront of neuroscience education and research on glial cells of the brain. Gwalior is a historic city with several tourism hot-spots in and around, provides the perfect backdrop for this event. The Conference aims to bring together researchers, practitioners and young enthusiasts to exchange knowledge and experiences on several aspects of brain, ranging from its chemistry to higher-order cognition. Participants will also have the opportunity for several awards presented by the Academy. Please find the event's detailed contents listed below. We extend a warm invitation to join us.

Scientific Program

- Key-note address
- Orations
- BK Bachhawat Lifetime Achievement Award
- KT Shetty Memorial Oration
- SS Parmar Oration
- PN Tandon Oration
- Distinguished Lectures
- Plenary Lectures
- Invited Lectures
- Free papers (Oral)
- Young Scientist Colloquium
- Panel Discussions
- Poster Presentations
- Neuroscience Advocacy
- Evening lectures
- Neuroscience Edu-Fair
- Initiate an Initiative
- Exhibitions
- Socialization, etc.

IAN Awards & Fellowships

- BK Bachhawat Lifetime Achievement Award
- KT Shetty Memorial Oration
- SS Parmar Oration
- PN Tandon Oration
- Jyotsnamoyee Raghunath Bhattacharya Prize

(Application last date: July 31, 2023)

IAN Young Scientist Awards

- Tulsabai Somani Educational Trust Award
- Dr. DM Kar Prize
- Prof. SS Parmar Research Foundation (USA) Award
- Sutttee Nag Prize
- SfN Bengaluru Chapter Poster Award
- Best Paper Award from the organizers
- Lallita and Ravindra Nath Travel Fellowships

(Application last date: August 15, 2023)

Deadlines

Early Bird Registration: August 15, 2023
Abstract Submission: August 15, 2023
Accommodation request: August 15, 2023

Pre-Conference Symposia/ Workshops

On October 3, 2023

- Write it Right: Art and Science of Scientific Writing
- Instrumentation in behaviour and cognitive neuroscience
- Assessment of human cognitive function
- Children-Scientists Interaction

Symposia

- Development of nervous system
- Cellular and molecular insights into CNS disorders
- Glia in Health and disease
- Neurochemical basis of neurotoxicity
- Pathology of brain disorders
- Drug-resistant Epilepsy
- Parkinson's Disease-Perspectives from cells to clinic
- Stress, Aging and neurodegeneration
- Novel insights into neurodegenerative disorders
- Novel mechanisms and therapies to mitigate secondary brain damage
- Therapeutics and neurodegeneration
- Neuromodulation strategies in health and disease
- Learning and memory in invertebrate systems
- Neurocognitive mechanisms underlying working memory
- Understanding cognitive tuning through lens of sleep processes
- Yogic interventions for tackling mental health issues
- Long-term sequel of neuro-COVID

Detailed Information, Registration and abstract submission at

www.iangwalior2023.com

Enquiries

ian.gwalior2023@gmail.com

Conference WhatsApp: +91 7000433533

Organizing Secretary

Prof. Ishan Patro

ian.gwalior2023@gmail.com [ian(dot)gwalior2023(at)gmail(dot)com]

School of Studies in Neuroscience/ Zoology

Jiwaji University, Gwalior 474011, India

Mob: +91 9425110063



Awards for Young Neuroscientists

To encourage and recognize the contributions of young researchers working in the area of neurosciences, the Indian Academy of Neurosciences has instituted following awards /prizes –

Tulsabai Somani Educational Trust Award

For best oral presentation by the young neuroscientist below 40 years of age at the time of annual conference.

DM Kar Prize

For best oral presentation by the young neuroscientist below 35 years of age at the time of annual conference.

Jyotsnamoyee - Raghunath Bhattacharya Prize

For best published research paper in the field of neurosciences. Paper should have been published during the year of the conference or last one year of the conference.

SS Parmar Research Foundation (USA) Award

For best paper presentation in the Poster Session by young neuroscientist below 35 years of age at the time of annual conference.

Suttee Nag Prize

For best paper presentation in the Poster Session by young neuroscientist below 35 years of age at the time of annual conference.

For more details, please visit

<http://neuroscienceacademy.org.in/index.php> and click AWARDS

IAN Executive Committee - 2023

President Dr Ishan K. Patro Gwalior 2021 - 2023	Members Dr (Ms). Meenakshi Bawari Silchar 2021 - 2023
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Dean Dr Trichur R. Raju Bengaluru 2021 - 2023	Dr Amit Mishra Jodhpur 2022 - 2024
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Secretary HQ Dr Vinay K. Khanna Lucknow 2022 - 2024	Dr Sudip Paul Shillong 2023 - 2025
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Treasurer Dr Ashok K. Agrawal Lucknow 2023 - 2025	Immediate Past General Secretary Dr Mahendra K. Thakur Varanasi
Chief Editor Dr Akshay Anand Chandigarh 2021 - 2023	

Nominations for the Executive Committee

Nominations for the positions of President (1), Dean (1), Chief Editor (1) and Members (2) are invited on the prescribed format enclosed herewith. The term for these positions will be for 3 years. The nominations should be sent either to **Dr Vinay K. Khanna**, Secretary (HQ), Chief Scientist and Professor-AcSIR, Developmental Toxicology Laboratory, CSIR-Indian Institute of Toxicology Research, Vishvigyan Bhavan, 31, Mahatma Gandhi Marg, Lucknow-226001, Uttar Pradesh, India, [Email:vkkhanna1111@gmail.com](mailto:vkkhanna1111@gmail.com) or to **Dr Pankaj Seth**, General Secretary, Professor, National Brain Research Centre, NH-8, Nainwal Road, Manesar – 122 052, [Email: pseth@nbric.ac.in](mailto:pseth@nbric.ac.in) so as to reach them positively by **Monday; July 31, 2023**.

Call for Nominations for Election of Fellows - 2023

Indian Academy of Neurosciences recognizes scientists who have excelled in neurosciences by electing them Fellows. A life member of the Academy with at least 10 years of research experience in the field of neurosciences can be nominated.

Nominations on prescribed format available at the website duly proposed and supported by Fellows of Indian Academy of Neurosciences are invited along with curriculum vitae. Nominations complete in all respects should be sent to **Dr TR Raju**, Dean - Indian Academy of Neurosciences and Director, Research, Sankara Academy of Vision, Bangalore, Karnataka, India, [Email: trraju.nimhans@gmail.com](mailto:trraju.nimhans@gmail.com)

Further, copy of the nomination papers should also be sent to **Dr Vinay K. Khanna**, Secretary (HQ) - Indian Academy of Neurosciences, Chief Scientist & Professor AcSIR, Developmental Toxicology Laboratory, CSIR - Indian Institute of Toxicology Research, Vishvigyan Bhavan, 31 Mahatma Gandhi Marg, Lucknow – 226 001, Uttar Pradesh, India, [Email: vkkhanna1111@gmail.com](mailto:vkkhanna1111@gmail.com) latest by **Monday; July 31, 2023**.

Call for Nominations

BK Bachhawat Memorial Lifetime Achievement Award



Nominations for **BK Bachhawat Memorial Lifetime Achievement Award for 2023** are invited. The nominee must be a Life Member of Indian Academy of Neurosciences. He / She should have at least 10 years standing in the area of neurosciences.

The contributions in neuroscience will be judged by –

- (i) Research publications
- (ii) Recognitions, Honours and Awards
- (iii) Contributions in the growth of neuroscience in India

Nominations along with complete bio-data and supporting documents should be sent to **Dr TR Raju**, Dean-Indian Academy of Neurosciences and Director, Research, Sankara Academy of Vision, Bangalore, Karnataka, India, **Email:** trraju.nimhans@gmail.com and a copy of the same to **Dr Vinay K. Khanna**, Secretary (HQ) -

Indian Academy of Neurosciences, Chief Scientist & Professor AcSIR, Developmental Toxicology Laboratory, CSIR - Indian Institute of Toxicology Research, Vishvigyan Bhavan, 31 Mahatma Gandhi Marg, Lucknow – 226 001, Uttar Pradesh, India, **Email:** vkkhanna1111@gmail.com positively by **Monday; July 31, 2023**.

KT Shetty Memorial Oration



Nominations for **KT Shetty Memorial Oration for 2023** are invited. The nominee must be a Life Member of Indian Academy of Neurosciences. He / She should have at least 10 years standing in the area of neurosciences and not above 55 years of age.

The contributions in neuroscience will be judged by –

- (i) Research publications
- (ii) Recognitions, Honours and Awards
- (iii) Contributions in the growth of neuroscience in India

Nominations along with complete bio-data and supporting documents should be sent to **Dr TR Raju**, Dean-Indian Academy of Neurosciences and Director, Research, Sankara Academy of Vision, Bangalore, Karnataka, India, **Email:** trraju.nimhans@gmail.com and a copy of the same to **Dr Vinay K. Khanna**, Secretary (HQ) -

Indian Academy of Neurosciences, Chief Scientist & Professor AcSIR, Developmental Toxicology Laboratory, CSIR - Indian Institute of Toxicology Research, Vishvigyan Bhavan, 31 Mahatma Gandhi Marg, Lucknow – 226 001, Uttar Pradesh, India, **Email:** vkkhanna1111@gmail.com positively by **Monday; July 31, 2023**.

SS Parmar Oration



Nominations for **SS Parmar Oration for 2023** are invited. The nominee must be a Life Member of Indian Academy of Neurosciences. He / She should have at least 10 years standing in the basic / allied area of neurosciences.

The nominations should clearly indicate –

- (i) Research publications
- (ii) Recognitions, Honours and Awards
- (iii) Contributions in the growth of neuroscience in India

Nominations along with complete bio-data and supporting documents should be sent by email only to **Dr TR Raju**, Dean-Indian Academy of Neurosciences and Director, Research, Sankara Academy of Vision, Bangalore, Karnataka, India, **Email:** trraju.nimhans@gmail.com and a copy of the same to **Dr Vinay K.**

Khanna, Secretary (HQ) - Indian Academy of Neurosciences, Chief Scientist & Professor AcSIR, Developmental Toxicology Laboratory, CSIR - Indian Institute of Toxicology Research, Vishvigyan Bhavan, 31 Mahatma Gandhi Marg, Lucknow – 226 001, Uttar Pradesh, India, **Email:** vkkhanna1111@gmail.com positively by **Monday; July 31, 2023**.

PN Tandon Oration



Nominations for **PN Tandon Oration for 2023** are invited. The nominee must be a Life Member of Indian Academy of Neurosciences. He / She should have at least 10 years standing in clinical neurosciences.

The nominations should clearly indicate –

- (i) Research publications
- (ii) Recognitions, Honours and Awards
- (iii) Contributions in the growth of neuroscience in India

Nominations along with complete bio-data and supporting documents should be sent by email only to **Dr TR Raju**, Dean-Indian Academy of Neurosciences and Director, Research, Sankara Academy of Vision, Bangalore, Karnataka, India, **Email:** trraju.nimhans@gmail.com and a copy of the same to **Dr Vinay K.**

Khanna, Secretary (HQ) - Indian Academy of Neurosciences, Chief Scientist & Professor AcSIR, Developmental Toxicology Laboratory, CSIR - Indian Institute of Toxicology Research, Vishvigyan Bhavan, 31 Mahatma Gandhi Marg, Lucknow – 226 001, Uttar Pradesh, India, **Email:** vkkhanna1111@gmail.com positively by **Monday; July 31, 2023**.



INDIAN ACADEMY OF NEUROSCIENCES

Proforma for Nomination for the Election of Fellows

1. Name:.....

2. (a) Date of Birth:..... (b) Gender: Male ☐ Female ☐

3. Designation/Affiliation:.....

4. Address:

(a) Official:.....

(b) Residential:.....

Telephone/Mobile:.....Email:.....

4. Membership Status Yes/No
[Date of Joining Academy as Life Member]:

6. Qualification (Degree and Post Graduation):.....

7. Specialization / Area of research:.....

8. Significant Contributions in the field of Neurosciences
(About 200 words, Attach annexure if required)

9. Publications in the last five years
(Please give complete references and attach copies of three publications)

	<i>Proposed by</i>	<i>Supported by</i>
Name	_____	_____
Address	_____	_____
Signature	_____	_____

Note:

Proposer and Seconder should be Fellows of the Academy. Complete set of nomination and CV of the nominee should be sent to the Dean, IAN and a copy of the set to the Secretary HQ of the Academy before the last date. Soft copy of the material should also be sent positively.



INDIAN ACADEMY OF NEUROSCIENCES

Proforma for the Annual Election

Nomination for the post of:.....

Name:.....

Address:.....

.....

.....

.....

Membership No.:.....

Proposer

Name: _____

Membership No. _____

Signature _____

Secunder

Name: _____

Membership No. _____

Signature _____

"Quality Assurance Implementation in Research Labs"

Book Released by Shri Ratan Tata

The book **"Quality Assurance Implementation in Research Labs"** was published by Springer and edited by Professor Akshay Anand. It was released by Shri Ratan Tata. This book provides a systematic and thorough overview of the strategy, methodology, and application of the concept of Good Laboratory Practices (GLP). Explanations of the key aspects of GLP using personalized and tailored examples and easy-to-follow algorithms makes this book a favored source by principal investigators, academic researchers, and industrial research centers around the world.

The book begins with a detailed history of GLP and related standards of quality assurance techniques in clinical testing laboratories and basic scientific research settings.

The necessity for audits, the problems encountered, and their possible solutions are specifically addressed, along with their effects on system-dependent research labs striving for productivity.

This book discusses the proper documentation needed for a successful Ph.D. and post-doc tenure, as well as faculty development along with the laboratory facilities.

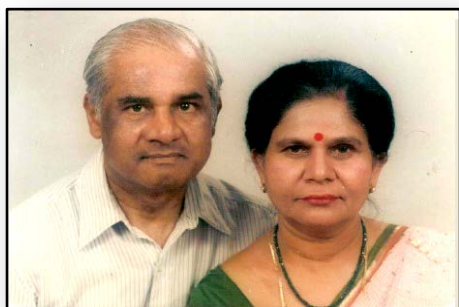
Other topics mentioned include lab orientations, communication, digitization in data accuracy, auditability, and back traceability in addition to academic social responsibility and quality assurance in developing nations.



Forthcoming Meetings / Symposia / Workshops / Neuroscience School

- ❖ **17th Meeting of the Asian-Pacific Society for Neurochemistry (APSN)**
June 19-21, 2023; Marina Bay Sands, Singapore
Website: <https://apsn2023.sg/>
- ❖ **The 64th Annual Meeting of the Japanese Society of Neuropathology & The 66th Annual Meeting of the Japanese Society for Neurochemistry**
July 6-8, 2023; Kobe International Conference Center, Japan
Website: <https://www.c-linkage.co.jp/jsnp64-jsn66/en/info.html>
- ❖ **46th Annual Meeting of the Japan Neuroscience Society**
August 1-4, 2023; Sendai International Center
Website: <https://www.neuroscience2023.jnss.org/>
- ❖ **International Society of Neurochemistry & European Society of Neurochemistry (ISN-ESN 2023)**
August 8 - 11, 2023; Porto, Portugal
Website: <https://www.neurochemistry.org/isn-esn-2023/>
- ❖ **The 11th IBRO World Congress of Neuroscience: Spanish Society of Neuroscience (SENC)**
9-13 September 2023; Granada, Spain
Website: <https://ibro.org/ibro-2023-spotlight-on-spain/>
- ❖ **ANS 2023 Australasian Neuroscience Society 41st Annual Scientific Meeting**
December 4-7, 2023; W Brisbane, Queensland, Australia
Website: <https://www.ans.org.au/meetings-events/future-ans-conferences>
- ❖ **CINP 2024 35th WORLD CONGRESS World Congress Collegium Internationale Neuro-Psychopharmacologicum**
May 23-26, 2024; Tokyo International Forum Co., Ltd., Tokyo
Website: <https://cinp2024.org/>
- ❖ **FENS Forum 2024**
25-29 June 2024; Vienna, Austria
Website: <https://fensforum.org/>

IAN - Lalita and Ravindra Nath International Travel Awards



Applications are invited for the **IAN - Lalita and Ravindra Nath International Travel Awards** from researchers working in neurosciences intending to present a paper at a neuroscience conference or attend neurosciences schools / training workshops outside India.

Criteria and Guidelines

1. Applicant should be the first author on the selected abstract, presenting their work as a talk or poster at an international neuroscience conference or selected for a neuroscience workshop and be an IAN member at the time of application.
2. Applicant should be at an advanced stage of pursuing research in neuroscience in national laboratory or UGC recognized university as a Ph.D. candidate or a post-doctoral fellow (PDF) (awarded Ph.D. degree within the last 2 years from the application deadline).
3. Applicant should have a strong scholastic record and the application should be supported by two recommendation letters, including one from the Ph.D. supervisor.
4. Applicant should provide a paragraph to describe the scientific questions being pursued and as to how the conference / school / workshop will help in their research (within 200 words).
5. The application will be reviewed by a committee, and two awards will be announced 4 weeks after the last date of application.
6. Preference will be given to researchers (Ph.D. students or PDF) attending the FAONS conference or neuroscience school / training workshops / conference in the Asian region and conference or workshop in other region soft he globe.

What the award will cover?

1. A bursary up to INR 50,000 (Rupees Fifty Thousand Only) will be provided to the selected candidates to cover partial expenses towards their registration, travel, boarding and lodging.
2. Total amount will be a maximum of INR 50,000 (Rupees Fifty Thousand Only) per award and will include a certificate signed by the President of the IAN.
3. Award money will be disbursed on return to India and after providing proof of participation (Participation certificate / picture at the meeting during talk / poster session), travel tickets (attested copy by the Head of Department; HOD), receipts of registration and accommodation charges (attested copy by HOD) and a brief report of the conference /school /workshop.

How to apply?

Prepare following documents in MS Word or PDF and submit online

1. Details of conference/workshop applicant wishes to attend.
2. Copy of the abstract and its acceptance for the neuroscience meeting. In case of neuroscience schools / training workshops, copy of the selection letter.
3. Curriculum vitae, including list of papers and abstracts presented in meetings.
4. Scan of two recommendation letters including one from the supervisor.
5. Statement as to how participation in the event will be helpful to the applicant (within 200 words)

Deadline for receiving Applications: Friday; September 15, 2023.



INDIAN ACADEMY OF NEUROSCIENCES

MEMBERSHIP FORM

I wish to become a member of the Indian Academy of Neurosciences. I have read the Rules and Byelaws / Constitution of the Academy and agree to abide by it.

1. Sur Name:.....First Name:.....Middle Name:.....

2. Educational Qualification:.....

3. Designation / Affiliation:.....

4. Official Address:.....

Tel:.....Fax:.....Email:.....

5. Residential Address:.....

.....

.....

Tel:.....Cell number:.....

6. Are you actively engaged in work related to neurosciences: Yes ☐ No ☐

7. Field of specialization:.....

8. Type of membership* desired (Tick or circle the appropriate one)

I. Life Member ☐

II. Associate Life Member ☐

III. Associate Member ☐

(DD / Cheque Number:.....Drawn on Bank:.....Date:.....)

9. Nominated by:.....

Name & Membership No:.....

Address:.....

.....

.....

Signature of the applicant

Signature of the proposer

Note:

- Admission fees Rs. 50/- additional shall be charged for secretarial purpose and included in the fee.
- Subscription fees* for Life Membership and Associate Life Membership is Rs. 4000/-, Associate Membership is Rs. 500/-.
- Category of Associate Life Membership will be upgraded to Life Membership once the candidate submits his / her Ph.D. certificate.
- Associate Membership is valid for one calendar year and shall become due on the 1st of January each year.
- Payment in cash / DD or local cheque drawn in favour of Treasurer, Indian Academy of Neurosciences" payable at Lucknow should be sent along with the duly completed form at the following address.

Dr Ashok K. Agrawal
Treasurer, Indian Academy of Neurosciences
C/o. Dr Vinay K. Khanna
Chief Scientist & Professor –AcSIR
CSIR - Indian Institute of Toxicology Research
Vishvigyan Bhavan, 31, Mahatma Gandhi Marg
Lucknow - 226 001, Uttar Pradesh, India
Email: aka33@rediffmail.com

- Online NEFT transfer may also be made as per following details,
Punjab & Sind Bank, Branch: Hazratganj, Lucknow with IFSC Code PSIB0000166, Branch code: L0166 & Account No. 01661000050015, It is mandatory to enclose the online transaction printout of successful NEFT Transfer for verification.

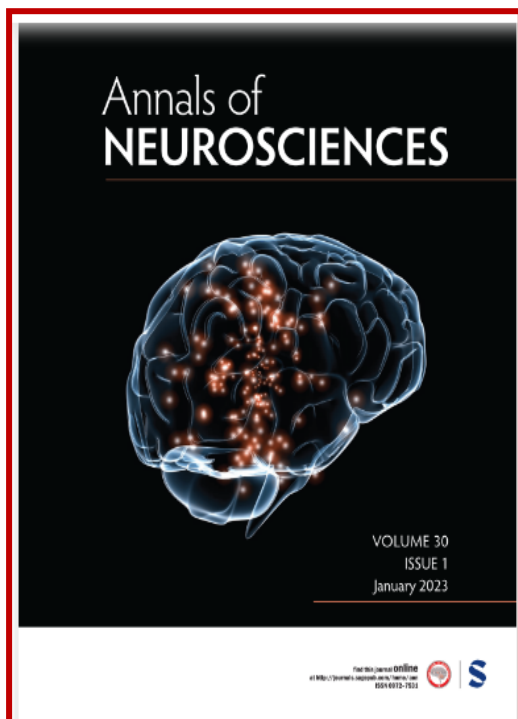
For Office Use Only

Membership No.Type of Membership..... Subscription Details.....

DD / Cheque Number:.....Drawn on Bank:.....Date:.....OR

Receipt No.....Date.....(if payment made in cash).....

Date.....Treasurer's Signature.....



Impact Factor: 1.5 / 5-Year Impact Factor: 2.3

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Call for Proposals to hold Next IAN Meeting

Proposals to host **annual meeting of Indian Academy of Neurosciences (IAN)** are invited. The venue should have the facility to hold 3 parallel scientific sessions (accommodating~ 100 delegates) and an auditorium with capacity to seat ~ 300 delegates for major events such as inauguration, plenary talks and keynote lectures. Details on accommodation facility in guest houses, hotels of different range for national / international delegates (faculty, students, post-docs) and connectivity by rail, road and air for delegates to the venue should be included. The proposal may also list earlier experience of handling national and international meetings and participation in IAN meetings.

A written proposal with a brief background duly forwarded by the head of the institution / competent administrative authority mentioning the availability of infrastructure in their institute (at the venue) may be sent to **Dr Vinay K. Khanna**, Secretary (HQ), Chief Scientist and Professor - AcSIR, Developmental Toxicology Laboratory, , CSIR - Indian Institute of Toxicology Research, Vishvigyan Bhavan, 31, Mahatma Gandhi Marg, Lucknow – 226 001, Uttar Pradesh, India, **Email:** vkkhanna1111@gmail.com The deadline for submitting the proposal is **Monday; July 31, 2023.**

Obituary

On 22nd December 2022, we lost our beloved mentor, an accomplished scientist and a wonderful human being – **Professor Prahlad Kishore Seth**. He breathed his last in New Delhi, after a brief illness.

Professor Seth has been an institution in himself; he dedicated his research life to the cause of neurosciences making particularly seminal contributions to the field of neurotoxicology. He had his early education from Lucknow, obtaining his Bachelors (Chemistry, Zoology, Botany) and Masters Degrees in Biochemistry from Lucknow University. He then pursued his research in the field of 'Biochemical Pharmacology' at King George's Medical University (Formerly King George's Medical College), Lucknow obtaining his PhD in 1967. He then moved to Chicago Medical School, Chicago, USA and worked there as Research Associate and Assistant Professor (1967-1971). Professor Seth joined CSIR-Indian Institute of Toxicology Research (formerly CSIR-Industrial Toxicology research Centre) as a Scientist in 1971, and established infrastructure and expertise for conducting basic and applied biochemical toxicology studies at cellular and molecular level. He has been a stalwart in the field of "Neurotransmitter Receptor Binding" and he has the exclusive credit of training a number of students and scientists in this field within the country. Professor Seth was particularly passionate about developing expertise of neurotoxicology research within the country and dedicated his efforts in this direction. In early 1980's he had the rare distinction of organizing conferences and symposia at ITRC, Lucknow in association with International Brain Research Organization. Being a neurotoxicologist with a far-sighted vision, even during those early days, Professor Seth would significantly contribute to develop programmes with an aim of meeting needs of the developing countries, particularly pertaining to the research area of neurotoxicology. He also played an important role in the growth of Toxicology in India. He brought in the valuable concepts of mechanistic toxicology for assessment of risk that various toxicants pose on humans. Through his research and guidance, he emphasized on the need to identify such target molecules which can be employed as markers of exposure and towards prediction of adverse effects that deleterious chemicals may exert on human health. His valuable contributions to the field of neurosciences include "deciphering the mechanisms of action of chemicals acting on the central nervous system", "validation of peripheral markers for CNS damage and demonstrating the presence and role of drug metabolizing enzymes in brain". Professor Seth, for the first time, demonstrated the presence of dopamine (DA)-D2 and Serotonin (5-HT1) receptors in human platelets. These studies were extended in clinical cases of neurological and psychiatric diseases to help in the prognosis and management of such diseases.



Professor Seth headed a successful Developmental Toxicology and Neurotoxicology program at ITRC and for his sustained efforts and dedication; he gradually rose to the position of Director at CSIR Industrial Toxicology Research Centre, Lucknow. He mentored dozens of PhD and Masters students, taught countless students at various universities where he was invited for special talks or had an appointment of honorary faculty member. Professor Seth had published over 250 research papers, more than 40 review articles, multiple monographs, books and book chapters. Besides, there are multiple patents to his credit. He established DBT's first Biotechnology Park in Lucknow. He has been bestowed with many prestigious honors which include Prof. B.K. Anand Oration, The National Academy of Medical Sciences, 2015, Life Time Achievement Award for contribution to Neurosciences at NEUROCON, 2015, Excellence in Education by CMAI Association of India, 2014, U.P. Ratan Award by All India Conference of Intellectuals, 2014, Vigyan Vibhushan Award of Uttar Pradesh Science Congress (2013), P.C. Ray Memorial Award of Indian Science Congress (2007), Qamar Kehkashain Award bestowed by All India Qamar Foundation Lucknow, 2006, 10th S.H. Zaidi Oration, Industrial Toxicology Research Centre, Lucknow, 2006, Toxicology Award, , 2006, Prof. B.K. Bachhawat Memorial Life Time Achievement Award, 2005, Indian Academy of The National Academy of Sciences, India Neurosciences, Sixth Alumni Lecture award, The Alumni Association of Department of Biochemistry, University of Lucknow, Lucknow, 2005, C.R. Krishnamurti Memorial Oration award, 2005. Professor Seth was elected fellow of many prestigious academies and societies including Indian National Science Academy, The National Academy of Sciences, India, National Academy of Medical Sciences, Indian Academy of Neurosciences, Indian Pharmacological Society, Society of Toxicology (India), Academy of Environmental Biology, Collegium Internationale Neuropsychopharmacologicum.

Professor Prahlad Kishore Seth – a prolific and accomplished scientist, teacher, mentor, administrator, thinker, policy maker, innovator, writer, motivator, visionary and above all – a wonderful human being passes on, leaving a huge irreparable void in the world of neuroscience. He shall live on in the legacy that he is leaving behind and he shall be in our hearts always!

The Indian Academy of Neurosciences, mourns his demise. May his noble soul rest in eternal peace.

*Contributed by –
Dr Aamir Nazir, Treasurer, IAN (Lucknow Branch) and
Senior Principal Scientist, CSIR-Central Drug Research Institute, Lucknow*



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