



# Neurosciences Newsletter

House Magazine of

# Indian Academy of Neurosciences

(Registered Under Societies Registration Act XXI 1860 Regn. No. 79106)

## Message from the President



**Greetings to all the members of IAN from the desk of the President!**

Not very long ago, the feasibility of mapping the distinguishable regions of the human brain in relation to their functional roles seemed remote. However today, with the tremendous advances in neuroscience, the opportunity now exists to approach the integrated understanding of brain structure and functioning necessary to clarify the neurobiological basis of human thought, emotion and memory. The progress made so far, primarily involve the concerted efforts of increasing number of scientists and investigators across the world. The body of information gained through such efforts however are in a piecemeal fashion; reaching a point of limitation, in terms of its usefulness, because the mass of information is so great and its dissemination so poorly coordinated. With this agenda, the Indian Academy of Neurosciences (IAN) was established in 1984 with a vision to foster interdisciplinary neuroscience research in the country and advance our understanding about the brain and since then has made huge progress in promoting collaborations nationally and internationally.

The Academy has touched new horizons during the past few years by organizing several scientific lectures, sessions, training programmes as well through partnership with several scientific organizations like the National Brain Research Centre (NBRC) for several Brain Research Programs and International Brain Research Organization (IBRO), with the aid of which, IAN, participated in the Global Advocacy Program spearheaded by the Lucknow chapter. This programme aimed to sensitize policy makers, urban and rural population with the awareness about brain disorders, advancements in neuroscience research and most importantly, the urgent need to enhance research funding for brain research. Through these initiatives, IAN has been able to reach out to several scientific professionals, at all levels.

It gives me an immense pleasure to announce that the XXXVII Annual Conference of Indian Academy of Neurosciences (IAN) will be organized by the Departments of Anatomy and Physiology at All India Institute of Medical Sciences (AIIMS), New Delhi from November 19 – 21, 2019. This scientific program will include plenary sessions, invited talks, poster/oral presentations and symposia which will cover latest topics of utmost significance in the field of neurobiology. I invite all members to actively participate in the meeting.

June 28, 2019.

**Dr (Ms). Shashi B. Singh**  
President  
Indian Academy of Neurosciences



**Dr Vinay K. Khanna**  
Secretary HQ



**Dr Pankaj Seth**  
General Secretary

June 28, 2019.

Brain research has been on the forefront in almost all the nations. President Obama's BRAIN initiative was the one such example and realizing the need, similar initiatives were started by several other countries. Although the magnitude of funding in India may be low on comparative terms, the brain research initiatives are picking up. The Centre for Brain Research under the umbrella of Centre of Neuroscience at IISc, Bangalore started a major initiative on age related brain disorders. The Department of Biotechnology, New Delhi has embraced a major multi-institutional Dementia Science Program that is being coordinated by the National Brain Research Centre, Manesar.

Although the field of neuroscience has witnessed several technological and scientific advancements, the challenges due to growing incidences of neuropsychiatric problems in the population are enormous world over. The fact that neuroscientists have developed capabilities of culturing primary cells in to two and three dimensions and these will help to unravel new pathways and mechanisms of healthy and diseased brain functions. The technique to derive neural stem cells from iPSCs has been established in several laboratories in India and abroad. More interestingly, few laboratories in the country have even started 3-D cultures of neural stem cells derived from umbilical cord cells, iPSCs or fetal brain tissues that would enable new discoveries in understanding the human brain. All this has been possible through intense collaboration among the neuroscientists to unravel the mysteries associated with brain. We do hope that research in this fascinating area will continue to have long term positive impact on basic and clinical neuroscience.

Several institutions funded through public and private mode have also started neuroscience programs at Bachelor's and Master's level. Increase in the number of training workshops and IBRO sponsored schools organized last year have helped to train young researchers in the area to take up challenging projects.

The journal, Annals of Neurosciences is in the transition and soon we will have a new publisher. The support of members is required to contribute good articles and reviews to keep the pace and momentum and maintain the quality.

The annual meeting of Indian Academy of Neurosciences at Banaras Hindu University, Varanasi in October 2018 was organized meticulously and best delicacies of neuroscience were served to the participants. The meeting attended by young and established neuroscientists from India and many other parts of the globe in large number reflect the growth of the Academy. This year, the Department of Physiology, All India Institute of Medical Sciences, New Delhi is hosting the XXXVII annual meeting of IAN from November 19 – 21, 2019. We request the members to block these dates for attending the meeting alongwith their students and colleagues. Further, pre-conference training workshops have also been planned which will give opportunities to the young researchers to develop their skills.

We thank the membership of the IAN immensely for their support and having trust in us

Vinay K. Khanna

Pankaj Seth



## Professor Ishan K. Patro, Vice Chancellor – Ravenshaw University, Cuttack conferred on BK Bachhawat Memorial Lifetime Achievement Award – 2018



**Professor Ishan K. Patro**, FNASc, FIAN, FCINP holds MPhil. and Ph.D. degree of Kurukshetra University, Kurukshetra. Prof Patro did his Post-Doctoral at MRC Neurochemical Pathology Unit, Newcastle Tyne, UK, and Dept. of Anatomy, University of Cologne, Germany. He is currently the Vice Chancellor of Ravenshaw University, Cuttack and Professor of Zoology / Neuroscience at Jiwaji University, Gwalior with 29 years of teaching and 38 years of research experience.

He is a Fellow of the National Academy of Sciences (India), Indian Academy of Neurosciences and Collegium Internationale Neuropsychopharmacologicum. He has several awards and honours to his credit including the K.T. Shetty Memorial Oration of the Indian Academy of Neurosciences, 2012. He has successfully completed 15 major research projects, guided 26 successful Ph.D. theses, published 85 papers in National and International journals, organized 23 conferences/symposia/workshops in biosciences and neuroscience. He has served the Indian Academy of Sciences in various capacities including as General Secretary, Dean and Vice President of the Academy.

Professor Patro has made significant contribution to glial neurobiology with special reference to the role of microglia and astrocytes in neurodegeneration and the perpetuating effect of glia on the health of the neurons and vice versa. Proposed immunosuppression as one of the mechanisms of neuroprotection. His group was first to report presence of microglia in dorsal root ganglia, phenotypically similar to those in the CNS with distinctive pathophysiological role in peripheral nerve injury.

His group is now very actively engaged in deciphering the impact of Maternal protein malnutrition (PMN) or perinatal exposure to Poly I:C (mimicking viral infection), lipopolysaccharide (mimicking bacterial infection) or deltamethrin that delayed formation and migration of granule cells, alteration in the level of several neuroregulatory proteins; impaired maturation, functional development of neurons, motor coordination and behavior. Combo exposures have multifold impact. They noted Spirulina as an economically viable supplement for PMN; Minocycline as an effective anti-inflammatory drug that rendered protection including better cognitive and behavioural abilities in addition to lowering of anxiety in the perinatally challenged. These studies suggest that either of the challenges present potential threat for later life neurological disorders.

He was chosen as the Project Coordinator of the DBT National Initiative on Glial Cell Research in Health and Disease, with CSIR-CCMB, CSIR-CDRI, JNU, JU, NBRC and NIMHANS as participating Institutes. His outstanding contribution to Human Resource Development in Neuroscience (M.Sc. and Ph.D. in Neuroscience since 2001) by establishment of India's 1<sup>st</sup> University Teaching Department of Neuroscience at Jiwaji University, Gwalior deserves a special mention.



## Fellows ~ 2018



**Professor (Ms). Anita Jagota**  
Department of Animal Biology  
School of Life Sciences  
University of Hyderabad,  
Prof. C.R.Rao Road, Gachibowli,  
Hyderabad, 500046, India  
**Email:** <ajsl@uohydernet.in>  
<anitajagota01@gmail.com>



**Professor Pankaj Seth**  
Professor and Scientist VI  
Molecular and Cellular Neuroscience  
Neurovirology Section  
National Brain Research Centre  
(NBRC)  
NH - 8, Nainwal Mode, Manesar  
Gurugram, Haryana -122 051, India  
**Email:** <pseth@nbrc.ac.in>



**Professor Debomoy K. Lahiri**  
Indiana University School of Medicine  
Department of Psychiatry (PR-313)  
791, Union Drive, Indianapolis, In-  
46202  
USA  
**Email:** <dlahiri@iupui.edu>

## Travel Fellowship – 2018

### Lalita and Ravindra Nath Travel Fellowships

1. **Tushar Pyne**, University of Calcutta, Kolkata
2. **Shubhi Saini**, All India Institute of Medical Sciences, New Delhi
3. **Ashutosh Ahire**, National Institute of Mental Health and Neurosciences, Bangalore
4. **Asha SC**, National Brain Research Centre, Manesar

### IAN Travel Fellowships

1. **Maltesh Kambali**, National Institute of Mental Health & Neurosciences, Bangalore
2. **Perminder Singh**, All India Institute of Medical Sciences, New Delhi
3. **Sidra Mohamed Yaqoob**, Sophia College, Mumbai

### John Miller Travel Awards

1. **Whidul Hasan**, Dr HSG Central University, Sagar
2. **Tiyasha Sarkar**, Jiwaji University, Gwalior

## Awardees ~ 2018

### Tulsabai Somani Educational Trust Award

**Mainak Sengupta**, Department of Genetics, University of Calcutta, Kolkata

*An effort to characterize genomic variations modifying the clinical discourse of Wilson's Disease, a Mendelian disorder with complex traits.*

### Dr DM. Kar Prize

**Shashank Kumar Maurya**, Biochemistry and Molecular Biology Laboratory, Department of Zoology, Institute of Zoology, Banaras Hindu University, Varanasi

*Impact of Pax6 on microglia-mediated immunity in brain*

### Jyotsnamoyee Raghunath Bhattacharya Prize

**Reshma Bhagat**, Department of Cellular and Molecular Neuroscience, Neurovirology Section, National Brain Research Centre, Manesar,

*Zika virus E protein alters the properties of human fetal neural stem cells by modulating microRNA circuitry*

### S.S. Parmar Research Foundation (USA) Prize

**Aanchal Aggarwal**, NAF Biot Inst, SAS Nagar

*Epigenetic regulation of cognitive functions in surgically induced menopause- preventive role of S-nitrosoglutathione.*

**Tiyasha Sarkar**, Jiwaji University, Gwalior

*Perinatal multi stress exposure impairs memory in adult rats via caspase-3 dependent  $\beta$  III tubulin catastrophe in CA1 neurons*

### Suttee Nag Prize

**Tanaya Batabyal**, All India Institute of Medical Sciences, New Delhi

*Cortical diaspora of processing face and words as distractors during emotional interference: - A quantitative EEG study*

**Sourodip Sengupta**, Indian Institute of Science Education and Research, Kolkata

*Role of matrix metalloproteinases (MMPs) and tissue inhibitor of MMPs (TIMPs) in virus-induced neuroinflammation*

### Best Paper Award from the Organizers

**Syeda Zehra Haider**, National Institute of Mental Health and Neurosciences, Bangalore

*Inner retinal neurons show diabetes induced changes in mitochondrial physiology*

**Saptarsi Mitra**, National Institute of Science Education and Research, Bhubaneswar

*Interaction between cocaine-and amphetamine-regulated transcript (CART) and dopamine-containing systems in the brain of Zebra finch, *Taeniopygia guttata**

### IAN - Sfn Bangalore Chapter

**Pratibha Singh**, Jawaharlal Nehru University, New Delhi  
*Dopamine promotes ferritin degradation in astroglial cells*

**Akanksha Kushwaha**, Banaras Hind University, Varanasi

*Altered histone H3K9 methylation in hippocampus of old mice is correlated with reduced memory consolidation during aging in mice*



## Annual Conference of IAN at AIIMS, New Delhi

The XXXVII annual conference of Indian Academy of Neurosciences will be held at All India Institute of Medical Sciences, New Delhi, India from November 19-21, 2019. Dr (Ms). Suman Jain, is the Organizing Secretary.

The details of the conference are available on the IAN [website: www.neuroscienceacademy.org.in](http://www.neuroscienceacademy.org.in)

Suggestions, if any for the conference may be sent by **July 15, 2019** to the organizers.

### Organizing Secretary:

Dr (Ms). Suman Jain

Professor, Department of Physiology

All India Institute of Medical Sciences (AIIMS)

Ansari Nagar, New Delhi – 110 029

**Email:** [sumanjain10@gmail.com](mailto:sumanjain10@gmail.com)

**Phone:** +91-11-26593229

## 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 annual conference).

**Dr. D.M. Kar Prize** (For best oral presentation by the young neuroscientist below 35 years of age at the annual conference).

**Professor S.S. Parmar Research Foundation (USA) Prize** (For best poster presentation by young neuroscientist below 35 years of age at the annual conference).

**Jyotsnamoyee – Raghunath Bhattacharya Prize** (For best published research paper in the field of basic neurosciences. Paper should have been published during the past 2 years).

**Suttee Nag Prize** (For the best poster presentation by young neuroscientist below 35 years of age at the annual conference)

For more details, please visit <http://neuroscienceacademy.org.in/index.php> and click AWARDS

Individuals willing to be considered for the awards may apply directly or get themselves nominated. The details of the awards are on the IAN website. Further information, if any may be obtained from Dr Vinay K. Khanna, Secretary (HQ), Senior Principal Scientist and Professor AcSIR, Developmental Toxicology Laboratory, Systems Toxicology & Health Risk Assessment Group, CSIR – Indian Institute of Toxicology Research, Vishvigyan Bhavan, 31, Mahatma Gandhi Marg P.O. Box No. 80, Lucknow – 226 001, Uttar Pradesh, India,

**Email:** [neuroscienceacademy@gmail.com](mailto:neuroscienceacademy@gmail.com)

**Last date of receiving nominations is August 16, 2019.**

## Travel Fellowships

Applications are invited for **Lalita and Ravindra Nath Memorial Travel Fellowships, IAN Travel Fellowships and John Miller Travel Awards**. Students and young researchers below 35 years of age presenting a paper at the annual conference of IAN at New Delhi are eligible to apply. The fellowships / awards will be available on competitive basis.

Travel fellowships consisting of actual travel reimbursement by AC 3-Tier or up to the maximum of Rs. 5,000/- (Rupees Five thousand only) will be awarded. There will be 4 travel fellowships each in case of Lalita and Ravindra Nath Memorial Travel Fellowship and IAN Travel Fellowships. In case of John Miller Travel Award, upto two travel awards consisting of actual travel reimbursement by AC 3-Tier or up to the maximum of Rs. 2,500/- (Rupees Two thousand five hundred only) will be awarded. Applications duly forwarded by Supervisor / Head indicating the category of award along with abstract of the paper may be sent to the **Organizing Secretary**–Dr (Ms). Suman Jain, Professor, Department of Physiology, All India Institute of Medical Sciences, Ansari Nagar, New Delhi-110 029, **Email:** [sumanjain10@gmail.com](mailto:sumanjain10@gmail.com)

Copy of the application and abstract should also be sent to The **Treasurer** Dr A.K. Agrawal, CSIR – Indian Institute of Toxicology Research, MG Marg, Post Box No. 80, Lucknow – 226 001, **Email:** [aka33@rediffmail.com](mailto:aka33@rediffmail.com)

**Last date of receiving applications is August 16, 2019.**

## Executive Committee 2017 - 2018

<b>President</b>		<b>Members</b>	
Dr Shashi B. Singh	2018 - 2020	Dr Tushar K Ghosh	2017 - 2019
New Delhi		Kolkata	
<b>Vice Presidents</b>		<b>Members</b>	
Dr (Ms) Gurcharan Kaur	2017 - 2019	Dr (Ms) Suman Jain	2017 - 2019
Amritsar		New Delhi	
Dr Raghu Vemuganti	2019 - 2021	Dr (Ms) Kamlesh K Gulia	2018 - 2020
Madison, USA		Thiruvananthapuram	
<b>Dean</b>		<b>Members</b>	
Dr Mahendra K Thakur	2018 - 2020	Dr Ramesh C Sharma	2018 - 2020
New Delhi		Shillong	
<b>Secretary HQ</b>		<b>Members</b>	
Dr Vinay K Khanna	2019 - 2021	Dr BSS Rao	2019 - 2021
Lucknow		Bangalore	
<b>General Secretary</b>		Dr KP Mishra	2019 - 2021
Dr P Seth	2017 - 2019	New Delhi	
Manesar		<b>IBRO and FAONS Representative</b>	
<b>Secretary International Affairs</b>		Dr Prahlad K Seth	
Dr Sunil Kaul	2019 - 2021	Lucknow	
Tsukuba, Japan		<b>Immediate Past President</b>	
<b>Treasurer</b>		Dr Subrata Sinha	
Dr Ashok K Agrawal	2017 - 2019	New Delhi	
Lucknow		<b>Immediate Past General Secretary</b>	
<b>Chief Editor</b>		Dr Mahendra K Thakur	
Dr Akshay Anand	2018 - 2020	Varanasi	
Chandigarh			

## Forthcoming Meetings / Symposia / Workshops / Neuroscience School

**2019 ISN-ASN Meeting**, August 4-8, 2019; Montréal, Canada

Website: <https://www.neurochemistry.org/2019-isn-asn-meeting/>

**IBRO World Congress 2019**, September 21-25, 2019; Daegu, South Korea

Website: <http://www.ibro2019.org>

**8th Annual Congress on Neuroscience and Therapeutics**, October 16-17, 2019; Vancouver, Canada

Website: <https://www.meetingsint.com/conferences/neuroscience-therapeutics>

**Society for Neuroscience 2019**, October 19 - 23, 2019; Chicago, IL, USA

Website: <https://www.sfn.org/Meetings/Neuroscience-2019>

**6th International Conference on Neuroscience and Neurological Disorders**, November 6-7, 2019; Tokyo, Japan

Website: <https://neuroscience.pulsusconference.com/>

**7th International Conference on Parkinsons and Movement Disorders**, November 11-12, 2019; London, UK

Website: <https://parkinsons-movement-disorders.pulsusconference.com/>

**8th International Conference on Central Nervous System**, December 4-5, 2019; United Arab Emirates (UAE)

Website: <https://central-nervous-system.pulsusconference.com/>

**8th International Conference on Neurodegenerative Disorders & Stroke**, December 4-5, 2019; Dubai, UAE

Website: <https://stroke.cmesociety.com/>

**12th FENS Forum of Neuroscience 2020**, July 11 - 15, 2020; Glasgow, UK

Website: <https://forum2020.fens.org/>



## Nominations for BK Bachhawat Memorial Life Time Achievement Award & KT Shetty Memorial Oration

Nominations for **BK Bachhawat Memorial Life Time Achievement Award** and **KT Shetty Memorial Oration** for **2020** 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 in India will be judged by (i) Research publications (ii) Honours and Awards and (iii) Contributions in the growth of neuroscience in India.

Nominations along with complete Bio-data and supporting documents should be sent to Dr Mahendra K. Thakur, Professor & Head, Department of Zoology, Banaras Hindu University, Varanasi – 221 005 **Email:** <mkt\_bhu@yahoo.com>; <mktian2007@gmail.com> and a copy of the same to Dr Vinay K. Khanna, Secretary (HQ), Senior Principal Scientist and Professor-AcSIR, Developmental Toxicology Laboratory, Systems Toxicology & Health Risk Assessment Group, CSIR – Indian Institute of Toxicology Research, Vishvigyan Bhavan, 31, Mahatma Gandhi Marg P.O. Box No. 80, Lucknow – 226 001, Uttar Pradesh, India, **Email:** <neuroscienceacademy@gmail.com> positively by **August 16, 2019**.

## Nominations for IAN Fellowship

The Academy 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. Both soft copy and hard copy of nomination complete in all respects should be sent to Dr Mahendra K. Thakur, Dean, Indian Academy of Neurosciences and Professor & Head, Department of Zoology, Banaras Hindu University, Varanasi – 221 005 **Email:** <mkt\_bhu@yahoo.com>; <mktian2007@gmail.com>

Further, copy (both soft and hard copy) of the nomination papers should also be sent to Dr Vinay K. Khanna, Secretary (HQ), Senior Principal Scientist and Professor-AcSIR, Developmental Toxicology Laboratory, Systems Toxicology & Health Risk Assessment Group, CSIR – Indian Institute of Toxicology Research, Vishvigyan Bhavan, 31 Mahatma Gandhi Marg, P.O. Box No. 80, Lucknow – 226 001, Uttar Pradesh, India, **Email:** <neuroscienceacademy@gmail.com> latest by **August 16, 2019**.

**Incomplete nominations will not be entertained.**

**Nominations received after the last date will be considered next year.**

## Nominations for the Executive Committee

Nominations for the positions of Vice President (1), General Secretary (1), Treasurer (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), Senior Principal Scientist and Professor-AcSIR, Developmental Toxicology Laboratory, Systems Toxicology & Health Risk Assessment Group, CSIR – Indian Institute of Toxicology Research, Vishvigyan Bhavan, 31, Mahatma Gandhi Marg P.O. Box No. 80, Lucknow – 226 001, Uttar Pradesh, India, **Email:** <neuroscienceacademy@gmail.com> or to **Dr Pankaj Seth**, General Secretary, Professor, National Brain Research Centre, NH-8, Nainwal Road, Manesar – 122 051, **Email:** <pseth@nbr.ac.in> so as to reach them positively by **August 16, 2019**.

## IAN - Lalita and Ravindra Nath International Travel Awards



Applications are invited for the **Lalita and Ravindra Nath International Travel Awards** from researchers working in neurosciences intending to present a paper at a neuroscience conference or attend neuroscience 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 a 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 regions of the 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)





1. Name:.....

3. Designation/Affiliation:.....

(a) Official.....

(b) Residential.....

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

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

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

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

	Proposed by	Supported by
Name	_____	_____
Address	_____	_____
Signature	_____	_____

*Proposer and Seconder should be Fellows of the Academy. Complete set of nomination and CV of the nominee should be sent to the Dean and a copy of the set to the Secretary HQ of the Academy before the last date. Soft copy of the material on CD should also be sent along positively. **Nominations received after the last date will be considered next year.***



# INDIAN ACADEMY OF NEUROSCIENCES

## FORM FOR ANNUAL ELECTION

Nomination for the post of : .....

Name : .....

Address:.....

.....

.....

Membership No. : .....

**Proposer**

**Secunder**

Name: .....

Name: .....

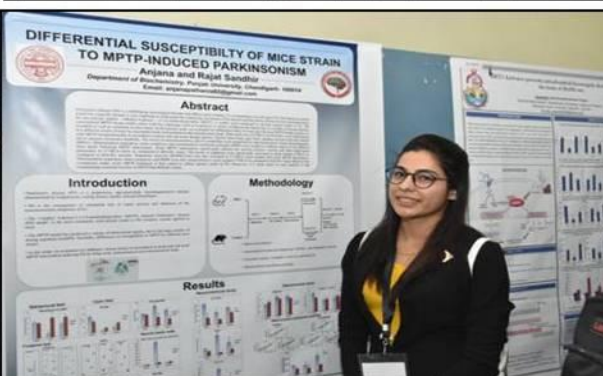
Membership No. ....

Membership No. ....

Signature .....

Signature .....





Cover page photograph - Human astrocytes in culture; Courtesy - Dr P. Seth, NBRC, Manesar





# XXXVII Annual Meeting of Indian Academy of Neurosciences



Department of Anatomy and Physiology  
All India Institute of Medical Sciences  
Ansari Nagar, New Delhi, India  
November 19 – 21, 2019

## ***"Neuron to Behavior"***

With immense pleasure, we invite you to participate in the **XXXVII Annual Meeting of Indian Academy of Neurosciences**, which will be held at All India Institute of Medical Sciences – New Delhi, one of the leading institutes in patient care, medical education and research in the country. The conference will focus on advances in the field of neurobiology and encourage presentations by promising researchers.

### **Scientific Programme**

The program will feature sessions and events that will focus on the scientific enrichment of delegates in terms of :

- ❖ Preconference workshops and CME
- ❖ Plenary sessions, invited talks and Orations
- ❖ Oral & poster presentations
- ❖ Young Scientist Colloquium
- ❖ Award sessions

### **Deadlines**

Early Bird Registration	August 16, 2019
Abstract Submission	August 16, 2019
Accommodation Requirement (Limited discounted student Accommodation)	August 16, 2019

### **Online Registrations Opened**

Details may be seen on the following link –

**http://www.ianaiims2019.com/**

**Email: <ianaiims2019@gmail.com>**

#### **Organizing Secretary**

**Professor (Ms). Suman Jain**

Department of Anatomy and Physiology

All India Institute of Medical Sciences, Ansari Nagar, New Delhi – 110 029, India

#### **Co- Organizing Secretary**

**Dr (Ms). Simran Kaur**

Department of Anatomy and Physiology

All India Institute of Medical Sciences, Ansari Nagar, New Delhi – 110 029, India



### Address for Correspondence

**Dr Vinay K. Khanna**

Secretary (HQ)

Senior Principal Scientist & Professor-AcSIR

Developmental Toxicology Laboratory

Systems Toxicology & Health Risk Assessment Group

CSIR - Indian Institute of Toxicology Research (CSIR-IITR)

Vishvigyan Bhavan, 31, Mahatma Gandhi Marg

P.O. Box No. 80, Lucknow - 226 001, Uttar Pradesh, India

**Email:** <neuroscienceacademy@gmail.com>

**Dr Pankaj Seth**

General Secretary

Professor and Scientist VI

Molecular and Cellular Neuroscience

Neurovirology Section

National Brain Research Centre (NBRC)

NH - 8, Nainwal Mode, Manesar

Gurugram, Haryana -122 051, India

**Email:** <pseth@nbrc.ac.in>

**Website:** <http://neuroscienceacademy.org.in>