

# Neurosciences Newsletter

House Magazine of

## INDIAN ACADEMY OF NEUROSCIENCES

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

June 2011

### MESSAGE



Dear Colleagues,

*The* year 2010 has been extremely eventful for the Academy. Lucknow, the city famous for its culture and traditions hosted the 5<sup>th</sup> Congress of Federation of Asian-Oceanian Neuroscience Societies from November 25 - 28, 2010 jointly with the XXVIII annual meeting of the Academy. The four day neuroscience meet was a success and attracted star neuroscientists from different parts of the country, Asia-Oceanian region and other parts of the world. Alongwith this, three satellite symposia at Varanasi, Gwalior and Lucknow were also organized. I congratulate the organizers of these events to formulate an excellent programme and serve the best delicacies of neuroscience to our guests and fellow colleagues. It really provided an opportunity to showcase the strength of neuroscience in the country which is again a matter of pride for all of us. As a matter of fact, it has been possible with the sincere efforts of our senior colleagues of the Academy and generous support from the Department of Biotechnology, New Delhi and other science agencies and ministries of the country as well as support from Federation of Asian-Oceanian Neuroscience Societies and International Brain Research Organization.

It is the time for the young researchers to take lead in the niche areas. Besides, we should join hands and march together and focus our research in the areas pertinent to the country needs to resolve many problems and give the quality life to our countrymen.

You may be aware that the XXIX annual meeting of the Indian Academy of Neurosciences is scheduled from October 30 - November 1, 2011 at New Delhi. The scientific programme is being finalized and suggestions, if any from the members are welcome. Looking forward to meeting you at New Delhi.

June 14, 2011.

Dr. Rakesh Shukla  
President, IAN

## REPORT

June 14, 2011.

Dear Friends,

Organizing the XXVIII annual conference of Indian Academy of Neurosciences jointly with the FAONS Congress at Lucknow was a memorable event. The four day neuroscience meet was a great success and created a landmark in the history of the Academy with the presence of Professor Torsten N. Wiesel, Nobel Laureate that made the participants nostalgic. His Distinguished Lecture that provided foundation for research on the neural basis of perception in the visual system was exciting and stimulated neurons of many researchers. The scientific programme was developed with the intention to bridge the basic and clinical neurosciences. It had plenary lectures, invited lectures, technical lectures and symposia on the emerging areas of neurosciences. Besides, B.K. Bachhawat Memorial Lecture, KT Shetty Memorial oration, Young Scientist Colloquium, oral and poster sessions and interactive sessions to have out reach activity were also the part of the Scientific Programme. Around 400 neuroscientists including basic and clinical researchers from 16 countries participated in this neuroscience meet. The Congress had many young researchers from Iran, Singapore, Srilanka, China-Hong Kong and India which could have been possible due to generous support from International Brain Research Organization, Federation of Asian and Oceanian Neurosciences, Department of Biotechnology, New Delhi, Indian Academy of Neurosciences and other Indian science agencies. One of the major highlights of the Congress was the minimal dropouts and packed halls till valedictory session. Letters of appreciation are still pouring in which further energize the organizing team. Pre- and post-satellite symposia at Lucknow, Varanasi and Gwalior were other attractions for the researchers from different parts of the country and globe. Minutes of the General Body meeting held on November 26, 2011 are attached separately.

We must appreciate sincere efforts of Dr. Akshay Anand, Editor of our journal for doing an excellent job in bringing out the issues of Annals of Neurosciences on time. We will request you to send your research papers and reviews for the next issues of the journal. Nomination formats for Fellows are enclosed with the newsletter. Please send the nominations before the last date. Please also forward information on your achievements/honours/awards for inclusion in the next issue of the Newsletter. I am sure that other members will be happy to share the information on your achievements. Please inform change in address, if any to Dr. A.K. Agrawal, Treasurer of our Academy to update in the Membership Directory.

You may have received the first announcement of the XXIX annual meeting of the Indian Academy of Neurosciences from October 30 - November 1, 2011 at New Delhi. The final announcement is being finalized and will be mailed to the members soon. We request you to plan for attending the annual meeting alongwith your research colleagues.

With sincere thanks to all the members for continued support.

**Vinay K. Khanna**  
Secretary HQ, IAN  
Email [vkkhanna1@gmail.com](mailto:vkkhanna1@gmail.com)

**Mahendra K. Thakur**  
General Secretary, IAN  
Email [mktian2007@rediffmail.com](mailto:mktian2007@rediffmail.com)

# Congratulations!!

## B.K. Bachhawat Memorial Life Time Achievement Award – 2011

### Dr (Ms). Devika Nag

Emeritus Professor Neurology, CSMMU  
9/13, Suryodaya Colony  
Rana Pratap Marg  
Lucknow - 226 001, India



## New Elected Fellows

### Dr. Subrata Sinha

Director, National Brain Research Centre  
NH-8, Nainwal Mode  
Manesar, Haryana-122050, India



### Dr. Upinder S. Bhalla

National Centre for Biological Sciences  
Bellary Road, Bangalore 560065, India



### Dr. Rakesh Shukla

Scientist F  
Division of Pharmacology  
Central Drug Research Institute  
MG Marg, Lucknow - 226 001, India



## Professor R. Nath Memorial Travel Award

**Surya Prakash Pandey**, Department of Zoology, Banaras Hindu University, Varanasi

**Shilpi Singh**, Centre for Neural and Cognitive Science, University of Hyderabad, Hyderabad

**Pradeep Kumar Mishra**, Department of Neurophysiology, NIMHANS, Bangluru

**Rakesh Rai**, Department of Zoology, Banaras Hindu University, Varanasi

## IBRO – APRC Alumni Awards

**Preethi Hegde**; National Institute of Mental Health and Neuro Sciences, Bangluru, India: *Timing of Environmental Enrichment Exposure Affects Extinction of Fear Memory in Rats*

**Hossein Azizi**; Tarbiat Modares University, Tehran, Iran: *The Orexin-1 Receptor Antagonist SB-334867 Attenuates Signs of Naloxone-Precipitated Morphine Withdrawal in Rats*

**M Javan**; Tarbiat Modares University, Tehran, Iran: *Knocking down of Nogo Receptor Potentiates Endogenous Repair of Demyelinated Rat Optic Chiasm by Neural Stem Cells*

**Pretty Garg**; National Brain Research Centre, Manesar – 120 050, India: *HIV - 1 Tat Alters Intercellular Communication in Human Fetal Brain Derived Neural Stem Cells*

**Proshanto K Saha**; Cognitive Science Laboratory, Department of Psychology, Banaras Hindu University, Varanasi – 221 005: *Task Switching & Individual Differences in Cognitive Control of Attention: Psychophysiological Evidences (EEG/ERP)*

## Tulsabai Somani Educational Trust Award

**Sonali Kataria**, Pavan Kumar, Mukesh Varshney, Pushpa Dhar, Raj D Mehra; All India Institute of Medical Sciences, New Delhi – 110 029, India: *Estrogen Exerts Neuroprotective Effects by Regulation of p-CREB, bcl2 and bax in the Subiculum of Female Rats*

### Dr. D.M. Kar Prize

**Madhu Sethi**, J M Kaul, S Mishra, N Vasudeva; Maulana Azad Medical Collage, New Delhi – 110 002, India: *Morphogenesis of the cochlear ganglion in human during prenatal period*

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

**Ashish Kumar**, M K Thakur; Biochemistry & Molecular Biology Lab., Department of Zoology, Banaras Hindu University, Varanasi – 221 005, India: *PS1 and PS2 are expressed differentially in mouse cerebral cortex during development*

**Lalit P Chandravanshi**, Rajesh S Yadav, Rajendra K Shukla and Vinay K. Khanna; Indian Institute of Toxicology Research (A constituent laboratory of Council of Scientific and Industrial Research, New Delhi), MG Marg, Lucknow – 226 001, India: *Neurobehavioral toxicity of arsenic in developing rats*

### Jyotsnamoyee Raghunath Bhattacharya Prize

**Nisha Patro**, Meghna Shrivastava, Surya Tripathi, Ishan K. Patro; School of Studies in Neuroscience, Jiwaji University, Gwalior 474 011: *S100 $\beta$  upregulation: A possible mechanism of deltamethrin toxicity and motor coordination deficits, Neurotoxicology and Teratology 31 (2009) 169–176*

### Best Paper Award from the Organizers

**SY Yau**, CD Lee, BWM Lau, YP Ching, TMC Lee, KF So; The University of Hong Kong, China: *Mild Stress-induced Hippocampal Cell Proliferation and Dendritic Complexity Is Associated with Improved Spatial Learning in Rats*

**Paramita Sen Gupta**, M Das, A Das Bhowmik, S Sinha, K Mukhopadhyay; Manovikas Biomedical Research and Diagnostic Centre, Kolkata – 700 107, India: *Study on COMT and MAO A gene polymorphisms in Attention Deficit Hyperactivity Disorder (ADHD) patients from eastern India*

**Nimmi Baby**, P Rangarajan, E A Ling, S T Dheen; National University of Singapore, Singapore: *Analysis of RUNX1T1 expression in microglial cells of the rat brain.*

**Raghavendra Singh**, T Sengupta, J Vinayagam, N Nagashayana, B Gowda, P Jaisankar, KP Mohanakumar; Indian Institute of Chemical Biology, Kolkata – 700 032, India: *Aqueous methanolic extract of Hyoscyamus niger seeds attenuates .OH generation by controlling mitochondrial bioenergetics and oxidative enzymes to protect against parkinsonism in mice*

**Arpita Sharma**, Nisha Patro, IK Patro; School of Studies in Neuroscience, Jiwaji University, Gwalior – 474 011, India: *Influence of minocycline on neurodegenerative changes and motor behaviour following lipopolysaccharide induced neuroinflammation in rat brain*

## Next Conference at New Delhi

The XXIX annual conference of Indian Academy of Neurosciences (IAN) will be held at New Delhi from October 30 – November 1, 2011. Dr (Ms). Anju Bansal is the Organizing Secretary. The e-circular is being finalized and will be mailed soon to the members. The preliminary 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 to her on the following address,

Dr Anju Bansal, Scientist E & Head, Experimental Biology Division, Defense Institute of Physiology and Allied Sciences (DIPAS), Lucknow Road, Timarpur, Delhi Email <[anjubansal15@rediffmail.com](mailto:anjubansal15@rediffmail.com)>

## Proposal for Symposia

The organizers have received proposals for holding the symposia on cutting edge areas of neuroscience for the XXIX annual conference of Indian Academy of Neurosciences scheduled at New Delhi. **Suggestions, if any for the programme should be forwarded to the Organizing Secretary and a copy to Dr. M.K. Thakur, General Secretary, IAN, Email: <[mkt\\_bhu@yahoo.com](mailto:mkt_bhu@yahoo.com)> latest by **July 30, 2010.****

## Awards for Young Neuroscientists

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

1. **Tulsabai Somani Educational Trust Award** (For best oral presentation by the young neuroscientist below 40 years of age at the annual conference).
2. **Dr. D.M. Kar Prize** (For best oral presentation by the young neuroscientist below 35 years of age at the annual conference).
3. **Professor S.S. Parmar Research Foundation Award** (For best poster presentation by young neuroscientist below 35 years of age at the annual conference).
4. **Jyotsnamoyee - Raghunath Bhattacharya Prize** (For published research paper in the field of basic neurosciences. Paper should have been published during the past 2 years).

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. Copies may also be obtained from Dr. Vinay K. Khanna, Secretary HQ and Scientist, Indian Institute of Toxicology Research, MG Marg, Lucknow – 226 001, Email <[vkkhanna1@gmail.com](mailto:vkkhanna1@gmail.com)>

## Nomination for Fellowship

The Academy recognizes scientists who have excelled in neurosciences by electing them as Fellows. A life member or honorary 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 or from the Secretary (HQ), supported by three Fellows of the Academy are invited alongwith complete Biodata by August 15, 2011. A soft copy and three hard copies of nominations complete in all respects should be sent to Professor Ishan K. Patro, Dean, Indian Academy of Neurosciences and Head, School of Neuroscience, Jiwaji University, Gwalior – 474 011, Email <[ishanpatro@rediffmail.com](mailto:ishanpatro@rediffmail.com)> and a copy of the same to Dr. Vinay K. Khanna, Secretary HQ and Scientist, Indian Institute of Toxicology Research, MG Marg, Lucknow – 226 001, Email <[vkkhanna1@gmail.com](mailto:vkkhanna1@gmail.com)> positively by **August 30, 2011.** Nominations received after the last date will be considered next year.

## Travel Awards

Applications are invited for **Dr. R. Nath Memorial Travel Fellowships** and **John Miller Travel Awards**. Students and young researchers below 35 years of age presenting a paper at the annual conference at New Delhi are eligible to apply. The awards will be available on competitive basis. Up to 8 travel awards consisting of actual travel reimbursement by AC-3Tier upto the maximum of Rs. 1,500/- will be awarded in case of Dr. R. Nath Memorial Travel Fellowship. In case of John Miller Travel Award, up to 2 travel awards will be awarded consisting of actual travel reimbursement by 2<sup>nd</sup> Class-3Tier and will not exceed Rs. 600/- each. Requests alongwith abstract of the paper may be sent to the Organizing Secretary Dr Anju Bansal, Scientist E & Head, Experimental Biology Division, Defense Institute of Physiology and Allied Sciences (DIPAS), Lucknow Road, Timarpur, Delhi Email [anjubansal15@rediffmail.com](mailto:anjubansal15@rediffmail.com) and a copy of the same to the Treasurer (Dr. A.K. Agrawal, Developmental Toxicology Division, Indian Institute of Toxicology Research, MG Marg, Lucknow – 226 001) by **August 30, 2011.**

## Executive Committee (2010 - 2011)

<b>President</b>	<b>Tenure</b>
Dr. R. Shukla Lucknow	2008 - 2011
<b>Vice Presidents</b>	
Dr. G.N. Pandey Chicago, USA	2009 - 2012
Dr. U.C. Srivastava Allahabad	2010 - 2013
<b>Dean</b>	
Dr. I.K. Patro Gwalior	2008 - 2011
<b>General Secretary</b>	
Dr. M.K. Thakur Varanasi, India	2010 - 2013
<b>Secretary International Affairs</b>	
Dr. Raghu Vemuganti Madison, USA	2009 - 2012
<b>Secretary HQ</b>	
Dr. V.K. Khanna Lucknow	2009 - 2012
<b>Treasurer</b>	
Dr. A. K. Agrawal Lucknow	2010 - 2013

<b>Chief Editor</b>	<b>Tenure</b>
Dr. A. Anand Chandigarh	2008 - 2011
<b>Members</b>	
Dr U.S. Bhalla Bangalore	2010 - 2013
Dr (Ms). Gurcharan Kaur Amritsar	2010 - 2013
Dr. B.S.S. Rao Bangalore	2009 - 2012
Dr (Ms). Usha Singhal Aligarh	2009 - 2012
Dr. P. Seth Manesar	2008 - 2011
Dr. C. S. Paulose Cochin	2008 - 2011
<b>IBRO and FAONS Representative</b>	
Dr. P. K. Seth Lucknow	
<b>Immediate Past President</b>	
Dr. B. N. Dhawan Lucknow	
<b>Immediate Past General Secretary</b>	
Dr (Ms). P.G. Joshi Bangalore	

## Nominations for Professor B. K. Bachhawat Memorial Life Time Achievement Award & Professor KT Shetty Memorial Oration

Nominations for B. K. Bachhawat Memorial Life Time Achievement Award – 2012 and KT Shetty Memorial Oration for 2011 and 2012 are invited. The nominee must be a Fellow / Life Member of the 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. Awards and iii. Contributions to growth of Neuroscience in India.

Nominations alongwith complete Bio-data and supporting documents should be sent to Professor Ishan K. Patro, Dean, Indian Academy of Neurosciences and Head, School of Neuroscience, Jiwaji University, Gwalior – 474 011, Email <ishanpatro@rediffmail.com> and a copy of the same to Dr. Vinay K. Khanna, Secretary HQ and Scientist, Indian Institute of Toxicology Research, MG Marg, Lucknow – 226 001, Email <vkkhanna1@gmail.com> positively by **August 30, 2011**. Nominations received after the last date will be considered next year.

## Forthcoming Meetings

**13<sup>th</sup> International Neurotoxicology Association Meeting and the 11th International Symposium on Neurobehavioral Methods and Effects in Occupational and Environmental Health (NEUREOH)**, Xi'an, China, June 5-10, 2011  
**Email:** cna2009@fmmu.edu.cn

**ISN – ESN 2011, 23rd Biennial Meeting of International Society of Neurochemistry**, Athens, Greece, August 28 – September 01, 2011  
**Web site:** <http://www.isn2011.org>

**8<sup>th</sup> IBRO World Congress of Neuroscience**, Florence, Italy, July 14 – 18, 2011  
**Web site:** <http://www.ibro2011.org>

**XXVIII Congress of the International College Neuropsychopharmacology (CINP)** June 3 – 7, 2012, Stockholm, Sweden  
**Web site:** [www.cinp2012.com](http://www.cinp2012.com), [www.cinp.org](http://www.cinp.org)

**Neuroscience 2011**, Pacifico Yokohama, Japan, September 14 – 17, 2011  
**Web site:** <http://www.neuroscience2011.jp/>

## Nomination for the Executive Committee

Nomination for the position of President (1), Dean (1), Editor (1) and Members (2) are invited on the prescribed format enclosed herewith. The nominations should be sent either to Dr. M.K. Thakur, Professor, Department of Zoology, Banaras Hindu University, Varanasi – 221 005, Email [mktian2007@gmail.com](mailto:mktian2007@gmail.com) or Dr. Vinay K. Khanna, Scientist, Developmental Toxicology Division, Indian Institute of Toxicology Research, MG Marg, Lucknow – 226 001, Email [<neuroscienceacademy@gmail.com>](mailto:<neuroscienceacademy@gmail.com>) so as to reach them by **August 30, 2011** positively.

### INDIAN ACADEMY OF NEUROSCIENCES Format for Annual Election / Nomination

Nomination for the post of:

Name:

Address:

Membership No.:

Proposer:

Name:

Membership No.:

Signature

Secunder:

Name:

Membership No.:

Signature

Proposer and Secunder should be the member of IAN

### INDIAN ACADEMY OF NEUROSCIENCES Format For Nomination of Fellows

Name:

Address & Designation:

Qualification:

*(Degree and post graduation)*

Membership in Academy:

Life

Date of joining Academy

Significant Contributions

in the field of Neurosciences:

*(About 200 words, attach annexure)*

Most Significant Publications

During the last five years

*(Please give the titles and attach copies of three publications)*

Proposed by

Supported by

Name

Signatures

Address

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Note: Proposer and Secunder should be Fellows of the Academy.

Seven complete set of nomination papers and CV should be sent to the Dean and a copy of the set to the Secretary HQ before the last date. Soft copy of the material in CD should also be sent along positively.

Last date of receiving nomination is August 30, 2011.



# INDIAN ACADEMY OF NEUROSCIENCES

## MEMBERSHIP FORM

I wish to become a member of the Indian Academy of Neurosciences. I have read the constitution of the society and agree to abide by it.

- 1. Name: \_\_\_\_\_ 2. Educational Qualification \_\_\_\_\_
- 3. Address: \_\_\_\_\_
- Tel: \_\_\_\_\_ (O); \_\_\_\_\_ (Res.); \_\_\_\_\_ Fax: \_\_\_\_\_
- Email: \_\_\_\_\_
- 4. Are you actively engaged in work related to neurosciences: Yes/ No
- 5. Field of specialization: \_\_\_\_\_
- 6. Type of membership\* desired (Tick or circle the appropriate one):  
 I. Life                      II. Ordinary                      III. Student  
 (D.D. number ..... Bank ..... Date .....)
- 7. Nominated by: \_\_\_\_\_

Name & Membership No:  
Address:

Signature: \_\_\_\_\_ Signature of the applicant. \_\_\_\_\_

**Note:**

- Admission fees Rupees Five only shall be charged.
- 1. Subscription fees\* for Life Membership is Rs. 2000/- and Associate Membership is Rs. 200/-.
- 2. Associate Membership is valid for one calendar year and shall become due on the 1<sup>st</sup> of January each year.
- 3. All the payment be made in cash or by demand draft in favour of **Treasurer, Indian Academy of Neurosciences**” payable at Lucknow and shall be sent along with the duly completed form at the following address. **Dr. A.K. Agrawal**

Treasurer, Indian Academy of Neurosciences,  
Indian Institute of Toxicology Research  
PO Box 80, M.G. Marg,  
Lucknow – 226 001, India  
Email: [aka33@rediffmail.com](mailto:aka33@rediffmail.com)

**For Office Use Only**

Membership No. .... Type of Membership .....

Subscription Details:

D.D. No. ----- Bank ..... Date ..... OR

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

Date ..... Treasurer’s Signature .....

### Suggestion(s) For IAN Website

The details of various activities of the Academy are on the website [www.neuroscienceacademy.org.in](http://www.neuroscienceacademy.org.in) Any suggestion(s) to improve the website are welcome and may be forwarded to Dr. Pankaj Seth, Additional Professor, National Brain Research Centre, N.H. 8, Nainwal Mode, Manesar – 122 050; Email: <[pseth@nbrc.ac.in](mailto:pseth@nbrc.ac.in)>

### News for the Next Issue

You may inform your achievements and of other members and forward news items for the next issue of the newsletter to Dr. Vinay K. Khanna, Scientist, Indian Institute of Toxicology Research, MG Marg, Lucknow – 226 001, Fax: +91 - 522 - 2628227, E-mail: <[vkkhanna1@gmail.com](mailto:vkkhanna1@gmail.com)>