

**Applications now open for IBRO Associate School of  
Neuroscience on Advances in Molecular Neurobiology  
Research**



**IBRO Associate School of Neuroscience**  
*on*  
**Advances in Molecular Neurobiology Research**  
**Amarkantak (MP), India**  
**March 3-9, 2019**

**Organizer: Dr Vijay Paramanik, PhD, MNASc, Department of Zoology  
Indira Gandhi National Tribal University, Amarkantak (MP)**

**Organization  
and Location**

The IBRO Associate School of Neuroscience will be organized at the Department of Zoology, Indira Gandhi National Tribal University (IGNTU), which is a relatively new established (10years) central university for teaching and research institution at Amarkantak (MP), India. The IGNTU has been established by the Govt. of India, to promote high quality teaching and research in tribal dominated area of central India. The jurisdiction of the University extends to the whole country and it is fully funded by the Central Government through the University Grants Commission. IGNTU is about 230km from Swami Vivekananda Airport Raipur (RPR) and 230km from Jabalpur Airport (JLR) which are well connected to New Delhi (national capital) and Mumbai (business capital) of the country. Amarkantak is situated 24km from Pendra Road (PND) railway station which is well connected from different parts of country including Delhi and Mumbai.

## **Aims and Scope**

The purpose of the proposed IBRO Associate School is to introduce the most recent advances of molecular neurobiology to MSc, MBBS, PhD students and junior postdoctoral fellows. This 7 days School will consist of lectures, group discussion, presentation by participants and Technical lecture/Demonstration of equipment, lab visit and discussion. Total 20 students will be selected, 10 from India and 10 from Asia Pacific regions. The school will be organized with the theme of providing exposure of advancement in molecular, cellular and biochemical advancement in the field of neurobiology. Transcriptomics refer to the methods to analyze large scale mRNA expression in a cell or tissue while proteomics aims to define the protein expression in a tissue or cells. Further, instruments used for transcriptomics and proteomics shall be explained by technical lectures and demonstrated as well. The initiation of these modern methods has opened up the possibility of rapid and comprehensive analysis of many gene products simultaneously. The program will include plenary lectures by prominent neuroscientist, technical lectures, group discussion, popular lectures, demonstration of transcriptomics & proteomics techniques and extensive interaction. Furthermore, participant also get a chance to visit to the city Amarkantak to know about its amazing background and culture of this part the country. Participants are expected to acquire knowledge of both theoretical and technological advances in the molecular aspect of neuroscience research. They will also present their work at the end of the school and discuss how they can utilize training received during this school to improve their work. The school will provide an opportunity to understand the current scenario and challenges in molecular neurobiology research as well as a common platform for participants to share and gather their innovative ideas from experts in the field. Apart from scientific activities, the school will also endeavor to facilitate informal interactions between participants and faculties and also to know the rich cultural heritage of holy town Amarkantak (MP) and India.

## **Target group**

Priority will be given to MSc, MBBS and PhD students and Junior post doc students (upto 2 years) residing in Asia-Pacific region. Students selected to attend the School will be provided travel and living expenses (housing and meals). Visa/s and other immigration arrangements are the responsibility of the student.

## **Infrastructure available**

- ❖ Modern equipment facility, namely, PCR, qRT PCR, SDS-PAGE and Immunoblotting facility
- ❖ Resource persons from Faculty of Science and related faculty from IGNTU, and other institutions to teach neuroscience and techniques
- ❖ Auditorium with Wi-Fi facility
- ❖ Well furnished guest house and hostel inside the campus for accommodation
- ❖ Well equipped laboratory to demonstrate the techniques to the participant

## **Faculty and Resource persons**

Faculty from India and abroad shall deliver lectures, and share experiences with the participants

**For more information and apply online please visit IBRO web page.**