Biographical Sketch

Name and contact address
Vijay Paramanik, PhD, MNASc
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Indira Gandhi National Tribal University Amarkantak (MP)-484 887

Position Title
Assistant Professor

Educational/Training

Institution and Location	Degree	Year(s)	Field of Study
Banaras Hindu University (BHU), Varanasi, India	MSc	2004	Zoology (Biochem and Molec Biol)
BHU, Varanasi, India	PhD	2010	Molec Neurobiol and Neurochemistry
BHU, Varanasi, India	Postdoctoral	2010- 2012	Mol Neurobiology and Neurochemistry
West Virginia University, Morgantown, USA	Postdoctoral Research Associate	2012	Mol Cell Biology, Dev Biol and Neurobiology

Experience	Doctoral Research-**6years**, Postdoctoral Research:**2years** and Teaching-**3years**
Areas of Specialization	Neurobiology, Mole Biol, Traditional Medicine and Biochemistry
Current Research:	Dr Paramanik focuses to study Phytoestrogen(s) mediated functions through estrogen receptor (ER) α and β in brain. It has been shown that phytoestrogen(s) has higher affinity towards ERβ and regulates a specific gene after recruiting a host of proteins to its promoter. Earlier studies suggest that ERβ is involved in the process of learning and memory through central molecules ERK and CREB. Mostly these processes are calcium dependent. However, the phytoestrogen(s) mediated function through CREB dependent chromatin modifications is not known, which is essential for consolidation of learning and memory. In addition, Dr Paramanik is involved in the identification of Indian Traditional Medicines, their biochemical characterization and preparation of ayurinformatics data.
Selected Research Publications	i) Paramanik V and Thakur MK (2015) Estrogen receptor coregulators in brain determine the specificity of estrogen action. **Therap Tar Neurological Dis.** 2: e656.doi: 10.14800/ttnd.656. ii) Paramanik V and Thakur MK (2012) Estrogen receptor β and its domains interact with casein kinase 2, phosphokinase C and N-myristoylation sites of mitochondrial and nuclear proteins in mouse brain. **J Biol Chem**. 22; 287(26):22305-22316. iii) Paramanik V and Thakur MK (2011) AIB1 shows variation in interaction with ERβTAD and expression as a function of age in mouse brain. **Biogerontology** 12(4):321-328. iv) Paramanik V and Thakur MK (2010) Interaction of estrogen receptor associated protein (ERAP) 140 with ERβ decreases but its expression increases in aging mouse cerebral cortex. **Cell Mol Neurobiol** 30(6):961-966. v) Paramanik V and Thakur MK (2011) NMR analysis reveals 17β-estradiol induced conformational change in ERβ ligand binding domain expressed in E. coli. **Mol Biol Rep**. 38(7):4657-4661. vi) Thakur MK and Paramanik V (2009) Role of steroid hormone coregulators in health and disease. **Horm Res.** 71:194-200
Seminar Participation	29 International **(India, China, Italy, Japan, Thailand, USA)**; 2 National
Training Participated	71st Orientation Course at BHU, Jan 6-Feb 2, 2015. IBRO-APRC Advanced school on neuroethology, Sapporo, **Japan**, July 24-July 28, 2014. IBRO-APRC Associate School of Neurosciences, **Varanasi**, Oct 19-23, 2013. IBRO-APRC school of neuroscience Oct 9-19, Beijing, **China** 2011. 9th IBRO-APRC school of Neuroscience, Phitsanulok, **Thailand**, 22-28 July, 2007.
Seminar and Training Organized	A three days national workshop cum seminar entitled ***"Frontiers of Ethnomedicine Research: Traditional to Translational"*** Mach 9-11, 2015. (Organizing Secretary)
Research Projects Undertaken/ongoing	Two (UGC Start UP-6 lakh and DST-SERB-20 lakh)
Membership of Professional Bodies	Member, National Academy of Sciences, India (**NASI**) International Brain Research Organization (**IBRO**) International Society of Neurochemistry (**ISN**) Japanese Neuroscience Society (**JNS**), Japan Indian Academy of Neurosciences **(IAN**) Treasurer, Association of Gerontology (**AGI**), India Society of Neurochemistry (**SNCI**), India