

## **Vikas Mishra, M.Pharm, Ph.D.**

---

### **Correspondence address-**

Assistant Professor  
Department of Pharmaceutical Science  
Babasaheb Bhimrao Ambedkar University  
(A Central university)  
Vidya Vihar, Raebareli Road, Lucknow- 226025  
Email: [vikasmishra12@gmail.com](mailto:vikasmishra12@gmail.com); [dr.vikasmishra@bbau.ac.in](mailto:dr.vikasmishra@bbau.ac.in)  
Phone: +91- 8840889812



### **Education**

- 01/2007-07/2012      **Ph.D. in Pharmaceutical Sciences (Cerebral Stroke)**  
Central Drug Research Institute / awarded by GB Technical University  
(formerly known as Uttar Pradesh Technical University), Lucknow, India
- 06/2001- 09/2003      **M. Pharm (Pharmacology)**, Birla Institute of Technology, Ranchi, India

### **Research Experience**

- Jan 2017 – Sept 2017      **Malcolm Feist Cardiovascular Postdoctoral Research Fellow**,  
Louisiana State University Health Sciences Center, Louisiana, USA
- Sept 2014 – Dec 2016      **Postdoctoral Research Fellow**, Louisiana State University Health  
Sciences Center, Louisiana, USA
- Dec 2012 – Sept 2014      **Postdoctoral Research Associate**, Texas A&M Health Science Center,  
Institute for Regenerative Medicine, Texas, USA
- Jan 2007 – Jan 2012      **Graduate Research Fellow (CSIR- GATE)**, Central Drug Research  
Institute, Lucknow, U.P., India (Towards PhD)

### **Academic Experience**

- Nov 2017 – Continuing      **Assistant Professor**, BBAU(Central University), Lucknow, U.P., INDIA
- Feb 2012 – Oct 2012      **Assistant Professor**, HIPER, Lucknow, U.P., INDIA
- Aug 2010 – Aug 2011:      **Guest Faculty**, BBAU(Central University), Lucknow, U.P., INDIA
- Nov 2003 – Dec 2006:      **Lecturer**, A.N.D. College of Pharmacy, U.P., INDIA

### **Publications**

- (1) SL Vanhoof-Villalba, NM Gautier, **V Mishra** and E Glasscock "Pharmacogenetics of KCNQ channel activation in 2 potassium channelopathy mouse models of epilepsy", **Epilepsia**, DOI: 10.1111/epi.13978. (IF: 5.2)
- (2) **Vikas Mishra**<sup>†</sup>, Nicole M. Gautier<sup>†</sup> and Edward Glasscock "Simultaneous video-EEG-ECG monitoring to identify neurocardiac dysfunction in mouse models of epilepsy", (invited manuscript in **Journal of Visualized Experiments**, 2017) (<sup>†</sup> equal contribution)
- (3) Kanika Sharma, Piyush Kalakoti, Miriam Henry, **Vikas Mishra**, Rosario Maria Riel-Romero, Christina Notarianni, Anil Nanda, Hai Sun "Revisiting racial disparities in access to surgical

management of drug-resistant temporal lobe epilepsy post implementation of Affordable Care Act", **Clinical Neurology and Neurosurgery**, 158, 82-89 (2017) (IF: 1.3)

- (4) **Vikas Mishra**, Bharat K. Karumuri, Nicole M Gautier, Rui Liu, Timothy N Hutson, Stephanie Villalba, Ioannis Vlachos, Leonidas Iasemidis and Edward Glasscock " *Scn2a* deletion improves survival and brain-heart dynamics in the *Kcna1*- null mouse model of sudden unexpected death in epilepsy (SUDEP)", **Human Molecular Genetics**, DOI: <https://doi.org/10.1093/hmg/ddx104> (IF: 5.9)
- (5) Maheedhar Kodali, Tarick Megahed, **Vikas Mishra**, Bing Shuai, Bharathi Hattiangady, and Ashok K. Shetty "Voluntary running exercise mediated enhanced neurogenesis does not obliterate retrograde spatial memory", **Journal of Neuroscience**, 36 (31) 8112-8122 (2016) (IF: 5.9)
- (6) **Vikas Mishra**, Bing Shuai, Geetha A. Shetty, Bharathi Hattiangady, , and Ashok K. Shetty "Resveratrol treatment after Status Epilepticus restrains neurodegeneration and abnormal neurogenesis with suppression of oxidative stress and inflammation", **Scientific Reports**, DOI: 10.1038/srep17807 (IF: 5.2)
- (7) Maheedhar Kodali, Vipin K Parihar, Bharathi Hattiangady, **Vikas Mishra**, Bing Shuai, Ashok K Shetty "Resveratrol prevents age-related memory and mood dysfunction with increased hippocampal neurogenesis and microvasculature, and reduced glial activation", **Scientific Reports**, DOI:10.1038/srep08075, (IF: 5.2)
- (8) Ashok K. Shetty, **Vikas Mishra**, Maheedhar Kodali and Bharathi Hattiangady," Blood Brain Barrier Dysfunction and Delayed Neurological Deficits in mild Traumatic Brain Injury Induced by Blast Shock Waves", **Frontiers in Cellular Neuroscience**, DOI: 10.3389/fncel.2014.00232 (IF: 4.6)
- (9) Bharathi Hattiangady<sup>†</sup>, **Vikas Mishra**<sup>†</sup>, Maheedhar Kodali, Bing Shuai, Xiolan Rao and Ashok K Shetty "Object location and object recognition memory impairments, motivation deficits and depression in a model of gulf war illness", **Frontiers in Behavioral Neuroscience**, DOI: 10.3389/fnbeh.2014.00078, <sup>†</sup>(equal authorship) (IF: 3.3)
- (10) Ram Raghubir, **Vikas Mishra**, Sheeba S. Samuel and Vijai Lakshmi , "A Potent Neurotoxic Effect of the Methanolic Extract of the Parazoanthus Mediated by NMDA Receptors" **Pharmacologia**, 4: 132-137, (2013)
- (11) Neetu Singh, Gaurav Sharma, **Vikas Mishra**,& Ram Raghubir "HIF: a novel target and its possible roles in cerebral ischemia" **Cellular and Molecular Neurobiology**, 32(4) 491 - 507 (2012) (IF: 2.3)
- (12) **Vikas Mishra**, Rajkumar Verma, Neetu Singh & Ram Raghubir "The neuroprotective effects of NMDAR antagonist, ifenprodil and ASIC1a inhibitor, flurbiprofen on post ischemic cerebral injury" **Brain Research**, 1389:152-60, (2011) (IF: 2.5)
- (13) Rajkumar Verma, **Vikas Mishra**, Konica Gupta & Ram Raghubir "Neuroprotection by Rosiglitazone in a transient focal cerebral ischemia may not be mediated by glutamate transporter-1" **Journal of Neuroscience Research**, 89:1849-1858 (2011). (IF: 2.68)

- (14) **Vikas Mishra**, Rajkumar Verma & Ram Raghubir “Neuroprotective effect of Flurbiprofen in focal cerebral ischemia: the possible role of ASIC1a” **Neuropharmacology** 59(7-8):582-8, (2010). (IF: 5.01)
- (15) Rajkumar Verma, **Vikas Mishra**, Dinakar Sasmal & Ram Raghubir “Pharmacological evaluation of glutamate transporter 1 (GLT-1) mediated neuroprotection following cerebral ischemia/reperfusion injury” **European Journal of Pharmacology** 638(1-3):65 (2010) (IF: 2.7)
- (16) Rajkumar Verma, **Vikas Mishra** & Ram Raghubir “Emerging roles of astrocytes in cerebral ischemia/reperfusion injury” **Annals of Neurosciences** 15 (1):17-24, (2008)

Complete list of published work in my bibliography:

<https://www.ncbi.nlm.nih.gov/sites/myncbi/18Wb9I8Y0IE5K/bibliography/48979334/public/?sort=date&direction=descending>

### **Conferences/ Workshop attended**

- (1) “Frontiers in pharmaceutical sciences”, XIV Quality Improvement Programme, Sponsored by AICTE, conducted at Delhi Institute of Pharmaceutical Sciences and Research, 27 Feb - 3 Mar 2006, Delhi, India.
- (2) “International Conference on Advances in Neurosciences and XXVI Annual meeting of Indian academy of Neuroscience”, Dec 12- 14, 2008, Cochin University of Science and technology, Cochin, India.
- (3) “10<sup>th</sup> Korea- Japan- China- India meeting on Neurobiology and Neuroinformatics “ NBNI, Dec 9-10, 2008, Organized by National Brain Research Centre, Gurgaon, conducted at Cochin University of Science and technology, Cochin, India.
- (4) “ISN, APSN, IBRO & SNCI School on Neurodegenerative Diseases”, Dec 7-11, 2009, Cochin University of Science and technology, Cochin, India.
- (5) “International Conference on Neuroscience Updates”, Dec 11-14, 2009, Cochin University of Science and technology, Cochin, India.
- (6) “Advances in Translational Research & Medicine”. The Ramanbhai Foundation 5<sup>th</sup> International Symposium. (Feb 01-04, 2011), Zydus Research Centre, Ahmedabad,
- (7) “International Symposium on recent trends in neurosciences”, Oct 30- Nov1, 2011, Defence Institute of Physiology and Allied Sciences, Timarpur, Delhi, India
- (8) “IBRO Advanced School of Neuroscience”, June 6- June 15, 2012, The Chinese University of Hong Kong, Hong Kong, China
- (9) "Society for Neuroscience", Nov9- Nov13, 2013, San Diego, USA
- (10) "American Society for Neural Therapy and Research" conference 2014, Florida, USA
- (11) "Society for Neuroscience" Oct17- Oct21, 2015, Chicago, USA

### **Awards & Honours**

- Malcolm Feist Cardiovascular Postdoctoral Research Fellowship, Jan 2017- Dec 2018
- Best Poster Award, Neuroscience Research Day, sponsored by the Shreveport Chapter of the Society for Neuroscience. Oct 7, 2016

- ASNTR travel award to attend "American Society for Neural Therapy and Research conference" Florida, 2014.
- IBRO travel Award to attend "IBRO Advanced School of Neuroscience", June7-June16, 2012, The Chinese University of Hong Kong, Hong Kong, China
- APSN-IBRO Travel Award to attend "ISN, APSN, IBRO &SNCI School on Neurodegenerative Diseases", Cochin
- Senior Research Fellowship from Council of Scientific and Industrial Research, New Delhi.
- Junior Research Fellowship from Council of Scientific and Industrial Research, New Delhi
- Qualified Graduate Aptitude Test in Engineering (GATE) conducted by IIT- Kanpur & IIT-Kharagpur with 97.59%ile (2001) and 98.16%ile (2006) respectively

### **Membership of Societies**

- Society for Neuroscience, USA
- International Brain Research Organisation, France
- Indian Academy of Neurosciences, INDIA
- Society for Neurochemistry, INDIA

### **Review Editor**

- Neuroscience journal
- PLOS ONE journal
- Frontier journals: Frontiers in pharmacology, Frontiers in behavioural neuroscience, Frontiers in system neuroscience, Frontiers in neuroscience, Frontiers in psychiatry, Frontiers in neurology
- Scott and White Research Mentorship Awards

### **Grant Support**

#### **Malcolm Feist Cardiovascular Research Postdoctoral Fellowship**

Project Title: Role of neuronal Kv1.1 channels in cardiac dysfunction and sudden death

Awarding organization: Centre for Cardiovascular Diseases and Sciences, LSU Health Sciences Center, Shreveport, LA, USA

Duration: Jan 2017- Dec 2018

Amount: 60,000\$/ year