

Faculty Profile	Dr. Bhupesh Mehta
Designation	Assistant Professor
Associated with NIMHANS as faculty since (Month and Year)	June 2015
Awards, Fellowships and Recognitions, Memberships	<ul style="list-style-type: none"> • 2009 - 2015, Postdoctoral Associate, Yale University, USA • 2014 (spring), Assistant in Instruction in Faculty of Arts and Sciences (BIOL 101 & 102), Yale University • 2003 – 2009, PhD, NIMHANS, India • 2005 – 2009, CSIR - Senior Research Fellow, NIMHANS, India • 2002 – 2005, CSIR - Junior Research Fellow, NIMHANS, India • 2002 - CSIR-NET Junior Research Fellowship/ Lectureship Exam • 2008 - S. S. Parmar Research Foundation (USA) Award, XXVI Annual Meetings of Indian Academy of Neuroscience, Cochin, India • 2005 - S. S. Parmar Research Foundation (USA) Award, XXIII Annual Meetings of Indian Academy of Neuroscience, Bangalore, India • 2004 - A. R. Gopala Ayengar Award, Indian Biophysical Society Meeting, Bangalore, India
Areas of Research Interest	<ul style="list-style-type: none"> • Synaptic signalling in temporal lobe epilepsy, diabetic retinopathy and pain. • Epigenetic regulations in neurons and astrocytes in rodent models of diabetes, epilepsy and pain. • Patch clamp electrophysiology; real time fluorescence imaging; molecular biology; gene electroporation (<i>in-vitro</i>, <i>in-vivo/in-utero</i>); optogenetic.
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Research Publications - <https://www.ncbi.nlm.nih.gov/pubmed/?term=Bhupesh+Mehta>

Research Projects –

- “Early signatures of synaptic function decline in diabetic retinopathy”. Principle Investigator. DST funding from 2017-2020.
- Hereditary Spastic Paraplegia: An Enigma. From clinical genetic signatures to patient derived cellular material for disease mechanisms. Co-Investigator. DST funding from 2017-2020.