

Kabhilan Mohan, B.Tech, MSc

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Education

B.Tech., in Industrial Biotechnology from Anna University, India, 2005

M.Sc., in Biomedical Nanotechnology from University of Newcastle upon Tyne, U.K, 2006

Ph.D in Biomedical Science (in progress), Iowa State University (Fall 2008-current)

Major Professor: Dr. Sinisa Grozdanic

Work Experience

Scientific Editor, Cactus Communications Private Limited (Jan 2007–Nov 2007), Mumbai, India

Current Projects

- Characterization of retina and cognitive deficits following blast-induced mild traumatic brain injury in a mouse model
- Characterization of retina and optic nerve deficits in a mouse model of Parkinson's disease using non invasive imaging techniques (optical coherence tomography, pattern electroretinography)
- Evaluation of functional and structural optic nerve parameters in ischemic optic nerve diseases

Thesis/Publications

- Investigation of relationship between mechanical and electrical properties of DNA nano-wires for sensing applications. MSc. Degree Thesis (Major Professor: Dr. John Hedley); University of Newcastle upon Tyne, 2006
- Cyto-toxicity evaluation of a commercial herbal formulation, *Shapthajala (Liquid)*, on breast cancer cells. B.Tech. Degree Thesis (Major Professor: Dr. Basheera John); Anna University, 2005
- Characterization of functional and structural retinal ganglion cell parameters in healthy mouse eyes. M.M. Harper, K. Mohan, H. Kecova, EA Ye, T Lazic, D.S. Sakaguchi, R.H. Kardon, S.D. Grozdanic (Submitted to Investigative Ophthalmology and Visual Sciences)

Professional Affiliations

- Association for Research in Vision and Ophthalmology