



## SCHOOL OF STUDIES IN NEUROSCIENCE

### Programs Offered:

- Ph.D. (Neuroscience)
- M.Sc. Neuroscience (Two year/Four Semesters)

### Profile of Department:

The School of Studies in Neuroscience offers a platform for research and teaching towards understanding the structure and function of the brain. This is the first Post-Graduate Department in Indian Universities extending interdisciplinary training to students leading to the award of M.Sc. Neuroscience degree. The M.Sc. Neuroscience teaching programme takes care of the basic disciplines such as Cell biology, biochemistry, cell and molecular biology, genetics, laboratory tools and techniques, etc. which provide a broad base during the first semester. This is followed by gradually specialized areas of neuroscience like neuroanatomy, neurochemistry, molecular neurobiology, genetics, neuro-immunology, development of brain, degeneration and regeneration of nervous system, systems neuroscience, learning, memory and cognition, clinical neurochemistry, nanotechnology, bioinformatics, tools, techniques and methods in neurobiology research. The School is well equipped with modern instrumentation as well as a good library. Our neuroscientists have been trained from leading research Institutes in India and abroad.

In order to inculcate research skills in our students, in addition to their training at our research laboratory they get an exposure by way of project work/ training for about 6 months. We also make special efforts to promote an excellent general education that would provide the basis for careers in other areas such as teaching, commerce, and administration and management.

### Objective of the Course:

The M.Sc. programme has been designed to prepare students for:

(1) Neuroscience research-oriented positions in academia and industry, (2) careers at the interface of the bench and bedside in academic neuroscience or (3) even in the application oriented biomedical industry.

### Eligibility:

B.Sc. with 50% marks with: Biology / Biotechnology / Biochemistry / Neurobiology / Neuroscience / Zoology with as one of the paper Chemistry and other allied subjects. In addition veterinary science, MBBS and B. Tech. (Biotech) graduates shall also be eligible.

**Available Seats** : Open = 15

### Coordinator

Prof. Sameer Suresh Bhagyawant

**Mobile** 9691675884

## Teaching Methods

The course is completed in a truly interdisciplinary and inter-Institutional mode. A variety of teaching methods are adopted including interactive lectures and seminars, group work, practical classes, computer based exercises as well as external visits to hospitals, Laboratories, Institutes, etc.

## Scope for placement

M.Sc. Neuroscience program has been designed to train students for neuroscience research oriented positions in Universities/Institutes/ R&D Units of Pharmaceutical Companies engaged in production of neuro-pharmacological products and diagnostics, in India and abroad.

## Placement

The alumni of this Department are now working at:

### National

Indian Institute of Sciences, Bangalore; All India Institute of Medical Sciences, New Delhi; National Brain Research Centre, Manesar; National Centre for Biological Sciences, TIFR, Bangalore; National Institute of Mental Health and Neurosciences, Bangalore; Central Drug Research Institute, Lucknow; Indian Clinical Research Institute, New Delhi; Banaras Hindu University, Varanasi; MLS University, Udaipur; Reliance Life Science, Mumbai; Tata Consultancy Services, New Delhi; Dr. Reddy's, Hyderabad, Suven Life Sciences, Hyderabad; Virchow Pharma, Hyderabad; Hari Har Corp., Agra; Jiwaji University, Gwalior; Defence Services, Govt. of India; IGIB, New Delhi; Jawaharlal Nehru University, New Delhi; University of Allahabad, Allahabad; IIT, Kanpur; NIN, Hyderabad; Trista Science Pvt. Ltd., Bangalore; Auroprobe Laboratories, Delhi and others.

### International

Innsbruck Medical University, Austria; University of Cambridge, UK; Vienna Medical University, Vienna; Obesity and Metabolism unit, University of Laval, Quebec, Canada; Rur University, Germany; University of Montreal, Quebec, Canada; International School for Advanced Studies of Trieste, Neurobiology sector, Italy; Ajou University, Medical Centre, Suwon, South Korea; University of Montreal, Quebec, Canada; The Hebrew University of Jerusalem and University of Haifa, Israel; Friedrich-Schiller-University Jena, Germany; A\*STAR- Duke-NUS Graduate Medical School Neuroscience Research Partnership (NRP), Singapore; University of Strasbourg, France; Katholieke Universiteit Leuven, Belgium; Johannes Gutenberg Universitait, Mainz, Germany; Forschungszeatrum Juelica, Jena, etc. Training abroad: Some of our students with grants from the International Brain Organization and others have been trained at the IBRO Schools at Singapore, Tehran, Japan etc.

## Fees Structure

Course	I Semester	II Semester	III Semester	IV Semester
M.Sc. Neuroscience	Rs. 28620	Rs.24300	Rs.25360	Rs.24300





