

Centre for Neuroscience

Indian Institute of Science, Bangalore – 560012

Adv. No. 003

The Centre for Neuroscience at the Indian Institute of Science seeks to recruit personnel for the following positions under a program grant entitled “Alzheimer’s Disease: Understanding mechanisms for early diagnosis and treatment” funded by the Tata Trusts for a period of 2 years.

Post No. 1: Research Associate

(A) Essential Qualifications: PhD in relevant area with excellent academic record and with 0-3 years of research experience.

Job Description: To study the underlying pathophysiology of Alzheimer disease using mouse models and primary neuronal culture systems.

Desirable: Experience in animal handling/mammalian tissue culture/stem cell culture/functional and biochemical characterization of proteins and signaling pathways/microscopy are desirable.

(B) Essential Qualifications: PhD in mathematics, neuroscience or engineering.

Job Description: Will be required to perform data analysis using Matlab and other standard programming language.

Desirable: Familiarity with signal processing and differential equations would be desirable.

Post No. 2: Research Interns

(A) Essential Qualifications: Masters’ degree in a relevant area with 0- 2 years research experience.

Job Description: Assist in laboratory experiments pertaining to pathophysiology of Alzheimer disease using mouse models and primary culture systems.

Desirable: Experience with animal cell culture, PCR, basic biochemical and molecular biology techniques and animal handling.

(B) Essential Qualifications: B.Tech in engineering or biology with 0-2 years experience working in a research laboratory and knowledge of basic computer programming

Job Description: To conduct and analyse experiments involving characterization of Alzheimer’s disease using psychophysical techniques.

Desirable: Experience in behavioural testing is desirable.

(C) Essential Qualifications: B. Tech/M. Tech in Engineering, preferably Electrical Engineering, Biomedical Engineering or Computer Science; or M. Sc. or equivalent in any branch of Biology, preferably related to Neuroscience; or M.B.B.S or M.V.Sc.

Job Description: The project involves neurophysiological recordings from animals as well as EEG recordings from animals and humans. Applicants should either have experience with neurophysiological techniques or EEG to help with the recordings, or have strong background in programming and signal processing to help with the analysis. Programming experience in Matlab is preferred.

Desirable: Previous experience in this area of research.

(D) Essential Qualifications: postgraduate in social work or relevant field (MA/MSc/MPhil/MSW).

Job Description: To coordinate research activities, conduct community awareness programs, schedule follow up visits, liaise with clinical team

Essential: willingness to work with geriatric population

Desirable: exposure to clinical work, fluency in south Indian languages

(E) Essential Qualifications: postgraduate in psychology or relevant field (MA/MSc/MPhil/MSW).

Job Description: To coordinate research activities, conduct perform cognitive assessments, analyse cognitive assessments and imaging

Essential: willingness to work with geriatric population

Desirable: exposure to clinical work, fluency in south Indian language

Post No. 3: Technician

(A) Essential Qualifications: Bachelors' degree in relevant area with minimum 0-5 years experience working in a research laboratory.

Job Description: To ensure smooth running of core facilities.

Desirable: Experience with cryostat, vibrotome/microtome, paraffin embedding, basic histology stains and managing histology core facility/experience with fluorescence and confocal microscopy, live cell imaging, training microscope users and managing microscope core facility. Experience in PCR including qRT-PCR, cloning, immunoblotting, 2D SDS PAGE, isoelectric focusing and general molecular biology techniques.

(B) Essential Qualifications: B.Tech in engineering with at least 0-3 years experience in software/computer applications and programming languages.

Job Description: To conduct and analyse experiments involving characterization of Alzheimer's disease using psychophysical techniques.

Desirable: Prior experience with behavioural testing and psychophysics and/or computer programming is desirable. Familiarity with JAVA/C and HTML programming preferred.

General Conditions:

1. All appointments are contractual and valid for 2 years. Candidates will be evaluated on a yearly basis prior to renewal.
2. Persons desirous to apply for more than one post, may submit separate application for each post.
3. Completed application in the prescribed form (given below) along with a recent passport size photograph, attested copies of certificates, detail marks certificates and 3 reference letters. The Application should clearly mention Name of the post and post number applied for in the application, failing which the application will not be considered. Interested applicants can send their application to Email Id: jobs.cns@iisc.ac.in Incomplete applications including those received without attested copies of certificate etc. are liable to be rejected.
4. Candidates applying for posts may be placed in s commensurate with their experience.
5. Merely fulfilling the minimum prescribed qualifications and experience will not vest any right on a candidate for being called for interview. Since it may not be possible to call all the candidates for interview, the applications will be shortlisted and the decision of the duly constituted Screening Committee will be final. The Institute will not entertain any correspondence in this respect and interim enquiries will not be attended to.

APPLICATION FOR THE POST OF _____”

1) Name :

2) Father Name :

3) Date of Birth (DD/MM/YY) :

4) Postal Address :

5) Permanent Address :

6) Mobile No. :

7) Email Id :

8) Nationality :

9) Marital Status :

10) Educational Qualifications :

Sl. No.	Exam Passed	Name of School/Board/University	Division	Year of Passing	% of marks

11) Professional training undergone if any and details thereof:

Course	School/College/ University/ Institution	Date & Year of Joining	Date & Year of Leaving

12) Present Post (Name of the Employer) :

Sl. No.	Organization	Designation	Period		Nature of Duties
			From	To	

13) Names and Addresses of **(three Referees)**:

14) Scale of Pay and present pay and other allowances :

15) Total Experience (Year/Months) :

16) Details of Research work/experience if any :

17) Publication to your credit :

18) Any other relevant Information that you may like to furnish :

Place:

Date:

Signature of the Applicant