

**Advt. No. 24/2016**

## **Walk-in-interview for Research project Scientist Position on 30<sup>th</sup> December 2016**

**Title of Project:** Identification of chemical compounds that modulates the taste behavior in *Drosophila Melanogaster*.

**Duration:** Initially for 1 year, may be extended on annual evaluation till the duration of the project.

**Essential Qualifications:** Ph.D. in Chemical Sciences, Chemical Engg./Bio-chemical Engg. with 3 or more year research experience, minimum 60% marks in M.Sc or equivalent degree and below 40 years of age.

**Project:** A newly established *Drosophila* Genetics and Neurobiology laboratory is seeking a Research project scientist to contribute to understand the mechanisms of taste modulation in *Drosophila melanogaster*. To adjust in a constantly changing environment, animal behavior is shaped by the sensory stimuli it detects, previous experience and the internal state. *Drosophila* display very simple and plastic taste behaviors like acceptance behavior with sugar and avoidance with bitter compounds, which gets modified by intrinsic and extrinsic cues. How physiological state such as hunger, satiety and thirst influence taste behaviors is an area of our interest. A chemical screen will be performed to identify natural/synthetic chemicals that modify taste behavior and acts on the central and peripheral nervous system of the fly.

### **Technical skills preferred:**

1. Proficiency in screening of fine chemicals via cheminformatics/bioinformatics using advanced software's like chemwindows, chemaxon etc.
2. Complete knowledge of wet and dry chemical & bio-chemical experimentations like micro extractions of chemicals.
3. Proficient in MS Office applications, including word, excel, power point, and project management software applications.
4. Expertise in spectroscopic analytical techniques: (a) Micro analysis in gas chromatographic techniques (GC-MSD) for screening chemical at ppm & ppb level. (b) Advanced GC software's like EZ chrome and Chemstation. (c) Through knowledge of packed/capillary columns and GC detectors. (d) Micro analysis in high performance liquid chromatography. (e) Fluorescence and Confocal microscopy.

5. Computer expertise: Programming in FORTRAN, C & C++, JavaScript etc.  
*Please include a recent CV that contains contact information of at least 2 references.*

**Principal investigator:** Dr. Pinky Kain Sharma

**Fellowship:** Rs. 40,000 plus 30% HRA

**Walk-in-interview**

**Date:** 30.12.2016

**Time:** 9.30 AM

**Venue:** Regional Centre for Biotechnology, NCR Biotech Science Cluster, 3<sup>rd</sup> Milestone, Faridabad-Gurgaon Expressway, Faridabad 121001, Haryana. Phone: 129-2848800.

Candidates are requested to bring all the documents for their qualifications along with filled in application form which can be downloaded from website. Candidates will be entertained for the interviews only after verification of the documents, having PhD Degree (provisional). Candidates reaching after 09.30 AM will not be entertained.