



Sri Ramachandra Institute of Higher Education and Research, Chennai, is one of the premier Health Science Universities in India with a teaching medical hospital having excellent infrastructure and expert teaching faculty. We believe in nurturing students with knowledge, skill and experience.

The Department of Biomedical Sciences(BMS) offers a four year undergraduate program, B.Sc. Biomedical Sciences(Hons) and M.Sc. Biomedical Sciences.

The Department is a decade old with most of its undergraduates pursuing Masters and Doctoral program in reputed institutes across the globe.

EXPERIENCE BIOMEDICAL SCIENCES

For Details :

044-24768027/29 (Extn: 8296/3710)

BIOMEDICAL SCIENCES IN TIME TRAINING (BITT)

The Department of Biomedical Sciences at Sri Ramachandra Institute of Higher Education and Research launches training modules(14 days) on Molecular Biology, Microbiology, Biomedical Techniques, Animal Cell Culture, Drosophila Biology, Genetics and Genetic Counseling

Training will be open throughout the year

Eligibility: Undergraduate and Post Graduate students of a recognised College/University

MOLECULAR BIOLOGY

Rs.5900 INR

Isolation of DNA, PCR, Agarose Gel Electrophoresis, RFLP, RNA Isolation, Quantification of nucleic acids using Nanodrop



PCR and Agarose Gel Electrophoresis



Inverted Fluorescence Microscope

MICROBIOLOGY

Rs.4420 INR

Preparation of medium, Staining – Gram Staining, Streaking methods, Antibiotic sensitivity – Diffusion and Broth Dilution methods



Refrigerated Centrifuge



Animal Cell Culture

BIOMEDICAL TECHNIQUES

Rs.7080 INR

Isolation of DNA, PCR, Antibiotic Sensitivity, TLC, Blood grouping, Genotoxicity testing in Drosophila, Maintenance of cell lines and passaging

ANIMAL CELL CULTURE

Rs.5900 INR

Maintenance of cell lines, passage, cryopreservation, MTT assay, Fluorescence staining

DROSOPHILA BIOLOGY

Rs.4420 INR

Culture of flies, maintenance, food preparation, Sexing in flies, Lifecycle, Mutants, Genotoxicity testing on flies

GENETICS AND GENETIC COUNSELING

Rs.4420 INR

Preparation of metaphase chromosomes, Karyotyping, Tools in Genetic Counseling, Risk Assessment Methods, Case Study



Microbiology Lab



The Fly Lab

ZEBRAFISH BIOLOGY

Zebrafish maintenance, Feeding patterns, Sex identification, Anaesthesia and Euthanasia techniques, Blood collection, Histochemical staining of Zebrafish tissue sections, Toxicity testing, Regeneration studies.

18% GST Applicable