

**Department of Microbiology and Cell Biology  
Indian Institute of Science  
Bangalore**

**DST – Fund for Improvement in S&T Infrastructure**

**Brief Outline Department**

Microbiology and Cell Biology was started in the year 1941. It is UGC Center of Advanced studies in Microbiology and Cell Biology. The focus of the research is bacterial and viral diseases of human and animal importance, immunology, molecular biology and genetics, cancer biology and plant molecular biology.

**Teaching & Research Activities**

The faculties offer the following courses to the graduate students of the Institute: Microbiology and Immunology, Virology, RNA biology, Molecular Biology, Principles of Genetic Engineering, Molecular genetics, Molecular Oncology and Electron Microscopy.

On the research front, we utilize various approaches like structural, biochemical, genetic, immunological, molecular and cell biology to understand mechanism of vital cellular processes, pathogenesis of important bacterial, fungal and viral diseases, cancer development and various aspects of plant differentiation.

**Facilities Created**

Scintillation Analyzer, Packard Instruments  
Optima TLX Ultracentrifuge, Beckman Coulter  
Scanning Electron Microscope, Quanta 200, FEI  
Power Tome Ultramicrotome, RMC products  
Biologic Duo Flow Basic System-Fraction Collector, Bio-Rad Laboratories

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