

# ALL INDIA INSTITUTE OF MEDICAL SCIENCES BHOPAL

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AIIMS Bhopal is one of the seven AIIMS apex healthcare institutes being established by the Ministry of Health & Family Welfare, Government of India under the *Pradhan Mantri Swasthya Suraksha Yojna* (PMSSY). With the aim of correcting regional imbalances in quality tertiary level healthcare in the country, and attaining self sufficiency in graduate and postgraduate medical education and training the PMSSY planned to set up 6 new AIIMS like institutions in under served areas of the country. These institutions are being established by an Act of Parliament on the lines of the original All India Institute of Medical Sciences in New Delhi which imparts both undergraduate and postgraduate medical education in all its branches and related fields, along with nursing and paramedical training. to bring together in one place educational facilities of the highest order for the training of personnel in all branches of health care activity. Research is a pursuit of knowledge and is limitless. Though we are recently established institute, research is an important mission of AIIMS Bhopal towards better healthcare and teaching. At AIIMS Bhopal we pursue research to understand the intricacies and maladies of the human body and its interaction with nature, find cure to ailments, improve quality of living and enhance teaching. Research at AIIMS Bhopal is a dedicated team work led by the faculty of the Institute as Principal Investigators (PI) with the assistance of senior residents, postdoctoral fellows and undergraduates and technical staff. The research funding is obtained mainly by extramural grants from agencies namely DBT, MPCST, ICMR, DST and others. The institute aims to provide modest intramural financial support to investigators for initiating research. The research projects are reviewed by the Research review board (RRB) comprising of faculty of the institute. Depending on the requirements RRB forwards the projects for further review to Institutional Human Ethics Committee (IHEC), Institutional Biosafety committee (IBSC) and Institutional Animal Ethics Committee (IAEC). The registration of IHEC with DCGI, IBSC with DBT and IAEC with CPCSEA is in process.

**Facilities for research:** Our research is facilitated by state of art instrumentation including Real-time PCR, flow cytometry, HPLC, Biosafety cabinets, high speed centrifuges, ELISA, chemiluminiscent analysers, microscopes with varying resolutions manned by trained technical staff. Equipments for high throughput and advanced technologies including genomics, proteomics, metabolomics, mass spectrometry, bioinformatics and NMR are underway.

**Undergraduate research:** At AIIMS Bhopal, undergraduate students are encouraged to identify a problem in research and address it with help of a mentor in the Institute. The aim of undergraduate research is to develop critical thinking and expand academic knowledge, explore research techniques, inculcate team spirit and time management, identify career interests, establish contacts with faculty and presenting at research conferences. Undergraduate research has been supported by intramural funding and short term studentships (STS) of ICMR. Twenty-five undergraduates of AIIMS Bhopal have bagged the prestigious STS fellowships since 2012 and have won accolades in platform and poster presentations in various national and international conferences.