Watson Crick Centre for Molecular Medicine, IUST

VISION

Molecular medicine is an emerging area within biomedical sciences that aims to understand the molecular determinants of health and disease with an ultimate goal of applying the knowledge for the prevention, diagnosis and treatment of diseases. The Watson-Crick Centre for Molecular Medicine Centre at IUST pioneered research and education in this field in India and imparting Ph.D. level training. The Centre aims to accomplish its goal through innovative and collaborative basic and clinical research programmes. To fulfill its goal, the Centre has already initiated many collaborative research activities with reputed national and international medical research institutes.

MISSION

Molecular medicine is the study of molecular and cellular phenomena in biological systems that enhances our understanding of human diseases and facilitates research in disease prevention, diagnosis and therapy. It offers new scientific tools to address mechanistic aspects of different diseases, both in diagnostics and therapy. The purpose of the Watson-Crick Centre for Molecular medicine (WCCMM) is to foster research in the field of molecular and cell biology with direct application to the study and treatment of human diseases.

YEAR OF ESTABLISHMENT: 2020

ACADEMIC PROGRAMMES

Ph.D. in Molecular Medicine

ABOUT THE COURSE

Ph.D. training in molecular medicine is intended to train next generation biomedical scientists with expertise in molecular biology, cell biology, biochemistry and genetics. The training will initially involve six months of rigorous course work in the core subjects of biomedical sciences. Subsequently, the students will choose the research topic based on discussions and mutual understanding with the supervisors. Ph.D. training will additionally involve mandatory journal clubs and seminar series.

DURATION 03 - 06 years

WHO CAN APPLY?

Candidates having Master's degree in Biotechnology, Biochemistry, Clinical Biochemistry, Molecular Biology, Molecular Medicine, Microbiology, Cell Biology, Immunology, Genetic

Engineering and Genetics from a recognized University shall be eligible for admission to Ph.D. in molecular medicine. The selection would be based on the performance in the Entrance Test and Presentation before the selection committee. Applicants having CSIR-JRF and ICMR-JRF are exempted from appearing in the entrance test and will directly appear for presentations.