

Bio sketch of Dr. Satyajeet Khare

After completing PhD from ACTREC in 2011, I continued to pursue my research interest in epigenetic and transcriptional dysregulation in cancer.

I studied the role of a chimeric transcription factor in leukaemia during my Research Associateship at the University of Wisconsin -Madison (2011-13), the epigenetic regulation of alternative splicing as a Visiting Fellow at the NCI-NIH (2013-14), and the regulation of alternative promoters' usage during cellular differentiation as a Postdoctoral Fellow at the IISER-Pune (2014-18).

During my doctoral and postdoctoral research, I also gained experience in genomics, proteomics, and bioinformatics. Soon after joining the Symbiosis School of Biological Sciences (SSBS) in 2018, I was exposed to the data science and machine learning (ML). My lab quickly learned these new tricks and applied them for the analysis of "Omic" datasets.

Currently, my lab (Multi-omic Analysis of Complex Diseases or MACD) is involved in the development of diagnostic and prognostic markers and models for non-communicable diseases using ML. Ongoing projects deal with differential diagnosis of neuropsychiatric disorders and predictive markers associated with complications in type 1 diabetes.