SUDIP MONDAL

Personal information-Sudip Mondal was brought up in Kolkata, West Bengal. Sudip's fascination for Mathematics developed early in his carrier and was taught to face new challenges and discover the world of unknown facts by one of his science mentors. Along with his passion for science and technology, he enjoys outdoor sports (soccer, cricket, and tennis). Sudip lives in Austin, Texas with his wife Reshmi and a 5-year old son, and have been the silent admirers for all his journey.

Education and Profession- Sudip obtained a Ph.D. from IISc, India in Physics in the year 2008 and developed a hand-held instrument to amplify DNA molecules from a small amount of sample volumes such as patient blood. The instrument is suitable for portable field applications such as disease detection and diagnostics in rural areas. He joined NCBS-TIFR, India for a postdoctoral research to gain insight in *C. elegans* neurobiology and developed a microfluidic platform to study in vivo neuronal transport of various organelles. Currently, he is a research associate at UT Austin where he is developing large-scale microfluidic platforms for high-throughput drug screening using *C. elegans* as a disease model. Specifically, the technologies are used to identify new chemical compounds and genetic players with protection against various age-dependent degeneration model and regeneration in *C. elegans*. He has developed a wide range of research experience in the field of microfluidics technology, imaging, *C. elegans* neurobiology, and high-throughput assay development etc. His research work aims to develop large-scale high-content screening of humanized disease models to identify new therapies for human chronic diseases.

Link to personal website or LinkedIn profile: https://www.linkedin.com/in/sudip-mondal-8499513b/