

TIFR-Hyderabad

Tata Institute of Fundamental Research (TIFR) institutes are premier centres of scientific research in India with a history of academic achievements stretching back more than seventy years. The TIFR Centre for Interdisciplinary Sciences (TCIS) is the first centre of an ambitious new campus of TIFR in Hyderabad, Telangana, India. TCIS is a young and dynamic new institute with faculty members drawn from across the Natural Sciences, and students, postdoctoral fellows and scientific officers associated with them. Over the next five years faculty strength is expected to double, while in the yet longer run TIFR Hyderabad is envisioned to carry out research in all branches of the Natural Sciences, Mathematics, Computer Science, Engineering and Materials Science. To bring this exciting opportunity to fruition we are on the constant lookout for outstanding new faculty colleagues at all levels, with research interests across the boundaries of Biology, Chemistry, Physics, Engineering and the Mathematical Sciences. In the immediate term, particular areas in the physical sciences in which we aim to see growth are experimental and theoretical approaches in Condensed Matter and Laser Physics, Physical and Synthetic Chemistry. Likewise some specific areas of current interest in the biological sciences are Cell and Developmental Biology, Mechanics of Morphogenesis and Development, Organ Systems, Organismal Physiology, Computational biology, Molecular evolution, Microbiomes, Cellular Biophysics and Single molecule studies. Applications with interesting approaches in other areas of basic and applied science are also keenly sought. Multidisciplinarity comes organically from bringing the best minds in different disciplines together and providing them with the best of resources to comprehensively address scientific questions – so whether you are interdisciplinary by training or well-grounded in one field of work, whether your approaches are theoretical or experimental, this indeed is a unique opportunity.

Applicants must have a PhD degree in the relevant area and have a proven excellent academic track record and a matching publication list. At least two years of postdoctoral experience is expected, but this clause may be relaxed in the case of absolutely exceptional applications.