



ACCELERATE
विद्यया



SCIENCE & ENGINEERING RESEARCH BOARD (SERB), Govt. of India Sponsored

"KARYASHALA"

(18th to 26th July, 2022)

on

Hands-on training and workshop on high-end instruments and advanced tools in biology

Organized by: Biology Department, IISER Pune. Dr. Homi Bhabha Road, Pashan, Pune. Maharashtra

Purpose: This program aims to introduce a cutting-edge knowledge about high-end instruments and advanced tools in biology to M.Sc. and Ph.D. level students. A hands-on training on high-end instruments used in biology will be useful to excel in understanding biological questions as well as scientific thinking.

What will you learn: Students will acquire knowledge of the following instruments and related techniques, software and data analysis:

Real-time qPCR, Photo-bioreactor, centrifugation by ultracentrifuge, Advanced high resolution imaging by epifluorescence/Apotome/Confocal microscope, LC-MS/MS, Modern Microtome and cryotome for micro-sectioning of tissues, Environmental Scanning Electron Microscope (eSEM) and Laser Capture Microdissection (LCM), Single Cell Sequencer, X-Ray Crystallography, A variety of Model organisms (moss, Arabidopsis, hydra, C. elegans, Zebrafish, mouse, Song bird) and their routine use in Developmental Biology.

Who can Apply: Final year M.Sc. and entry-level PhD students from Biology/Life Science stream.

How to apply: Fill out the application form <https://forms.gle/dsoqmk5bxumVWnqB6>
Registration is free. Accommodation, meals and refreshments will be provided. Full attendance is necessary to issue a certificate of completion. Selected candidates will be informed via email.

Last date of application submission: 30th June, 2022. 5:30 PM (IST)

NB: The organizing committee reserves the rights for selection of candidates based on their credentials and SOP. Contact E-mail: serbkaryashala@acads.iiserpune.ac.in

