

Stanford-SLAC Cryo-EM Center

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Stanford-SLAC Cryo-EM Center is a NIH funded resource which has the two missions: (1) to provide the scientific community access to state-of-the-art cryo-EM instruments for data collection towards atomic resolution structure determination of biochemically purified single particles and (2) to enable scientists across the nation to become independent cryo-EM investigators. Our Center also has cryo-specimen preparation devices, data quality assessment tools for on-the-fly evaluation and visualization, and image data storage capacity on a short-term basis. We provide expert staff that trains, assists and advises users, both on-site and remotely, and are available for consultation beforehand and in a follow-up program. We cross-train scientists who want to employ cryo-EM within their own research portfolios. Our training is targeted at a wide variety of skill levels - including short-term and long-term in-residence training programs for single particle cryo-EM workflow from specimen preparation to structure validation. Access to the Center is through an open process based on scientific merit. Acknowledgement: This research is supported by National Institutes of Health Common Fund Transformative High Resolution Cryo-Electron Microscopy program.