Fully Mechanically Controlled Automated Electron Microscopic Tomography

Jinxin Liu, Hongchang Li, Lei Zhang, Matthew Rames, Meng Zhang, Yadong Yu, Bo Peng, César Díaz Celis, April Xu, Qin Zou, Xu Yang, Xuefeng Chen, Gang Ren

Supporting Videos

Supporting Video 1. A representative electron tomographic tilt series (after alignment) of negative-stained DNA-nucleosome complex is acquired from −60° to +60° with a 1.5° step under a magnification of 160,000× and a target defocus of 400 nm.

Supporting Video 2. A representative electron tomographic tilt series (after alignment) of negative-stained antibody conjugate sample is acquired from −60° to +60° with a 1.5° step under a magnification of 80,000× and a target defocus of 800 nm.

Supporting Video 3. A representative electron tomographic tilt series (after alignment) of cryo-EM low-density lipoprotein (LDL) sample is acquired from −60° to +58° with a 2° step under a magnification of 50,000× and an expected defocus of approximately 2 μm.