

Materials List for:

High-resolution Single Particle Analysis from Electron Cryo-microscopy Images Using SPHIRE

Toshio Moriya¹, Michael Saur¹, Markus Stabrin¹, Felipe Merino¹, Horatiu Voicu², Zhong Huang², Pawel A. Penczek², Stefan Rauser¹, Christos Gatsogiannis¹

¹Department of Structural Biochemistry, Max Planck Institute of Molecular Physiology

²Department of Biochemistry and Molecular Biology, The University of Texas Medical School at Houston

Correspondence to: Christos Gatsogiannis at Christos.Gatsogiannis@mpi-dortmund.mpg.de

URL: <https://www.jove.com/video/55448>

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Materials

Name	Company	Catalog Number	Comments
SPHIRE	Max Planck Institute of Molecular Physiology- Dortmund and Houston Medical School, Houston, Texas		http://sphire.mpg.de
UCSF Chimera	University of California, San Francisco		http://www.cgl.ucsf.edu/chimera/
Unblur	Janelia Farm Research Campus, Ashburn		http://grigoriefflab.janelia.org/unblur
Coot	MRC Laboratory of Molecular Biology, Cambridge		http://www2.mrc-lmb.cam.ac.uk/personal/pemsley/coot/
EMAN2	Baylor College of Medicine, Houston		http://blake.bcm.edu/emanwiki/EMAN2
Computing Cluster with 1824 cores	Max Planck Institute of Molecular Physiology		Linux Cluster with 76 nodes, each with 2 Processors Xeon E5-2670v3 12C 2.30 GHz and 128 Gb RAM
TITAN KRIOS electron microscope	FEI		300 kV, Cs correction, XFEG
Falcon II direct electron detector	FEI		
EPU (automated data acquisition software)	FEI		https://www.fei.com/software/ePU/