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Materials List for

Cryo-Electron Tomography Remote Data Collection and Subtomogram Averaging

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Materials

Name	Company	Catalog Number	Comments
Software			
Tomography	Thermo Fisher Scientific	5.9.0	Internal terminology: Tomo5 in document
TEM server	Thermo Fisher Scientific	7.10.1	
TIA	Thermo Fisher Scientific	5.10.1	
DigitalMicrograph	Gatan	3.44	
emClarity	Open-Source software	1.5.3.11	Software for high-resolution cryo-electron tomography and subtomogram averaging
IMOD	Open-Source software	4.11	Modeling, display and image processing programs used for 3D reconstruction and modeling of microscopy images with a special emphasis on electron microscopy data
MotionCor2	Free for academic use	1.1.0	A multi-GPU program that corrects beam-induced sample motion recorded on dose fractionated movie stacks
ETomo	Open-Source software	4.11	ETomo is an interface for running a subset of IMOD and PEET commands.
NoMachine	NoMachine, freeware	7.9.2	Remote desktop software
TeamViewer	TeamViewer AG	-	Remote access and remote control computer software
Materials			
Quantifoil (holey support film) EM grids	Quantifoil	-	A flat film of carbon with pre-defined hole size, shape and arrangement
Instrumentation			
Titan Krios microscope	Thermo Fisher Scientific	Titan Krios G2	
K3 camera and GIB energy filter	Gatan	-	

Falcon 4 camera and Selectris X energy filter	Thermo Fisher Scientific	-	
Website			
Website 1: https://github.com/bHimes/emClarity/	-	-	Link to download the emClarity software package
Website 2: https://bio3d.colorado.edu/imod/	-	-	Link to download IMOD
Website 3: https://github.com/ffyr2w/emClarity-tutorial	-	-	Link to the emClarity online tutorial
Website 4: https://emcore.ucsf.edu/ucsf-software	-	-	Link to download MotionCor2
Website 5: https://github-wiki-see.page/m/bHimes/emClarity/wiki	-	-	Link to the newest announcements including updates and bug fixs for emClarity