Resource Summary Report

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Colorado University at Boulder EM Services Core Facility

RRID:SCR_001432
Type: Tool

Proper Citation

Colorado University at Boulder EM Services Core Facility (RRID:SCR_001432)

Resource Information

URL: https://www.colorado.edu/facility/ems/

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Description: Core provides access to instruments including:FEI Tecnai 12 Spirit TEM, FEI Tecnai F20 (200kV) FEG-TEM 200kV FEG-TEM,Gatan US4000 4k x 4k CCD, bottom-mount,CryoTEM and electron tomography,High-resolution TEM;FEI Tecnai F20 (200kV) FEG-TEM,300kV FEG-TEM,Gatan US4000 4k x 4k CCD, bottom-mount,CryoTEM and electron tomography,High-resolution TEM,FEI/Phillips CM100 (100kV) TEM,100kV, tungsten TEM,2k x 2k AMT CCD, bottom-mount.

Synonyms: Boulder Lab for 3D Electron Microscopy, Boulder Electron Microscopy Laboratory Core, Colorado University Boulder Electron Microscopy Core Facility, Boulder EM Services Core Facility

Resource Type: access service resource, training resource, core facility, service resource

Keywords: USEDit, electron microscopy, electron tomography, high resolution

Funding: NCRR P41 RR000592

Resource Name: Colorado University at Boulder EM Services Core Facility

Resource ID: SCR_001432

Alternate IDs: nlx_152656, SCR_018991

Old URLs: http://bio3d.colorado.edu/, http://mcdb.colorado.edu/facilities/ems/index.shtml, https://www.colorado.edu/sharedinstrumentation/core-facilities/boulder-em-services-core-facility

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Ratings and Alerts

No rating or validation information has been found for Colorado University at Boulder EM Services Core Facility.

No alerts have been found for Colorado University at Boulder EM Services Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 9 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID.

Maity K, et al. (2019) Cryo-EM structure of OSCA1.2 from Oryza sativa elucidates the mechanical basis of potential membrane hyperosmolality gating. Proceedings of the National Academy of Sciences of the United States of America, 116(28), 14309.

Vincent AE, et al. (2016) The Spectrum of Mitochondrial Ultrastructural Defects in Mitochondrial Myopathy. Scientific reports, 6, 30610.

Harris KM, et al. (2015) A resource from 3D electron microscopy of hippocampal neuropil for user training and tool development. Scientific data, 2, 150046.

Picard M, et al. (2015) Trans-mitochondrial coordination of cristae at regulated membrane junctions. Nature communications, 6, 6259.

Comolli LR, et al. (2014) Inter-species interconnections in acid mine drainage microbial communities. Frontiers in microbiology, 5, 367.

Yu H, et al. (2013) Doc2b promotes GLUT4 exocytosis by activating the SNARE-mediated fusion reaction in a calcium- and membrane bending-dependent manner. Molecular biology of the cell, 24(8), 1176.

Gangarossa G, et al. (2013) Spatial distribution of D1R- and D2R-expressing medium-sized

spiny neurons differs along the rostro-caudal axis of the mouse dorsal striatum. Frontiers in neural circuits, 7, 124.

Xu J, et al. (2012) Tyrosine nitration of PA700 links proteasome activation to endothelial dysfunction in mouse models with cardiovascular risk factors. PloS one, 7(1), e29649.

Alushin GM, et al. (2010) The Ndc80 kinetochore complex forms oligomeric arrays along microtubules. Nature, 467(7317), 805.