Resource Summary Report

Generated by NIF on Apr 8, 2025

Leginon

RRID:SCR_016731
Type: Tool

Proper Citation

Leginon (RRID:SCR_016731)

Resource Information

URL: http://emg.nysbc.org/redmine/projects/leginon/wiki/Leginon_Homepage

Proper Citation: Leginon (RRID:SCR_016731)

Description: System designed for automated collection of images from a transmission electron microscope.

Resource Type: image acquisition software, data acquisition software, storage service resource, software application, data repository, service resource, portal, data or information resource, data processing software, software resource

Defining Citation: PMID:15890530

Keywords: automated, collection, acquisition, data, image, electron, microscope

Funding: NCRR RR17573;
NIGMS GM61939;
NSF DBI0352386;
NSF DBI9730056;
NSF DBI9904547

Availability: Free, Available for download, Freely available, Registration suggested

Resource Name: Leginon

Resource ID: SCR_016731

Record Creation Time: 20220129T080332+0000

Record Last Update: 20250407T220341+0000

Ratings and Alerts

No rating or validation information has been found for Leginon.

No alerts have been found for Leginon.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 40 mentions in open access literature.

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

Dederer V, et al. (2024) A designed ankyrin-repeat protein that targets Parkinson's disease-associated LRRK2. The Journal of biological chemistry, 300(7), 107469.

Reimer JM, et al. (2023) Structure of LRRK1 and mechanisms of autoinhibition and activation. Nature structural & molecular biology, 30(11), 1735.

Tan ZY, et al. (2023) Heterogeneous non-canonical nucleosomes predominate in yeast cells in situ. eLife, 12.

Huang P, et al. (2022) Structural basis for catalyzed assembly of the Sonic hedgehog-Patched1 signaling complex. Developmental cell, 57(5), 670.

Van Tilbeurgh M, et al. (2022) Innate cell markers that predict anti-HIV neutralizing antibody titers in vaccinated macaques. Cell reports. Medicine, 3(10), 100751.

Melville Z, et al. (2022) High-resolution structure of the membrane-embedded skeletal muscle ryanodine receptor. Structure (London, England : 1993), 30(1), 172.

Snead DM, et al. (2022) Structural basis for Parkinson's disease-linked LRRK2's binding to microtubules. Nature structural & molecular biology, 29(12), 1196.

Puno MR, et al. (2022) Structural basis for RNA surveillance by the human nuclear exosome targeting (NEXT) complex. Cell, 185(12), 2132.

Sahoo A, et al. (2022) Structure-guided changes at the V2 apex of HIV-1 clade C trimer enhance elicitation of autologous neutralizing and broad V1V2-scaffold antibodies. Cell

reports, 38(9), 110436.

Kirchdoerfer RN, et al. (2021) Structure and immune recognition of the porcine epidemic diarrhea virus spike protein. Structure (London, England : 1993), 29(4), 385.

Jiang D, et al. (2021) Open-state structure and pore gating mechanism of the cardiac sodium channel. Cell, 184(20), 5151.

Wisedchaisri G, et al. (2021) Structural Basis for High-Affinity Trapping of the NaV1.7 Channel in Its Resting State by Tarantula Toxin. Molecular cell, 81(1), 38.

Nikolay R, et al. (2021) Snapshots of native pre-50S ribosomes reveal a biogenesis factor network and evolutionary specialization. Molecular cell, 81(6), 1200.

Walls AC, et al. (2020) Structure, Function, and Antigenicity of the SARS-CoV-2 Spike Glycoprotein. Cell, 181(2), 281.

Wang C, et al. (2020) Structures reveal gatekeeping of the mitochondrial Ca2+ uniporter by MICU1-MICU2. eLife, 9.

Oh S, et al. (2020) Gating and selectivity mechanisms for the lysosomal K+ channel TMEM175. eLife, 9.

Rantalainen K, et al. (2020) HIV-1 Envelope and MPER Antibody Structures in Lipid Assemblies. Cell reports, 31(4), 107583.

Hou X, et al. (2020) Cryo-EM structure of the calcium release-activated calcium channel Orai in an open conformation. eLife, 9.

Kieuvongngam V, et al. (2020) Structural basis of substrate recognition by a polypeptide processing and secretion transporter. eLife, 9.

Gilchuk P, et al. (2020) Analysis of a Therapeutic Antibody Cocktail Reveals Determinants for Cooperative and Broad Ebolavirus Neutralization. Immunity, 52(2), 388.