Cell Centered Database

RRID:SCR_002168
Type: Tool

Proper Citation

Cell Centered Database (RRID:SCR_002168)

Resource Information

URL: http://ccdb.ucsd.edu

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Description: THIS RESOURCE IS NO LONGER IN SERVICE, documented June 5, 2017. It has been merged with Cell Image Library. Database for sharing and mining cellular and subcellular high resolution 2D, 3D and 4D data from light and electron microscopy, including correlated imaging that makes unique and valuable datasets available to the scientific community for visualization, reuse and reanalysis. Techniques range from wide field mosaics taken with multiphoton microscopy to 3D reconstructions of cellular ultrastructure using electron tomography. Contributions from the community are welcome. The CCDB was designed around the process of reconstruction from 2D micrographs, capturing key steps in the process from experiment to analysis. The CCDB refers to the set of images taken from microscope the as the Microscopy Product. The microscopy product refers to a set of related 2D images taken by light (epifluorescence, transmitted light, confocal or multiphoton) or electron microscopy (conventional or high voltage transmission electron microscopy). These image sets may comprise a tilt series, optical section series, through focus series, serial sections, mosaics, time series or a set of survey sections taken in a single microscopy session that are not related in any systematic way. A given set of data may be more than one product, for example, it is possible for a set of images to be both a mosaic and a tilt series. The Microscopy Product ID serves as the accession number for the CCDB. All microscopy products must belong to a project and be stored along with key specimen preparation details. Each project receives a unique Project ID that groups together related microscopy products. Many of the datasets come from published literature, but publication is not a prerequisite for inclusion in the CCDB. Any datasets that are of high quality and interest to the scientific community can be included in the CCDB.

Abbreviations: CCDB
Synonyms: Cell-Centered Database, CCDB

Resource Type: storage service resource, database, service resource, image repository, data or information resource, data repository

Defining Citation: PMID:18054501, PMID:12160711

Keywords: electron microscope, light microscopy, electron tomography, electron microscopy, image, cell, microscopy, tomography

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Cell Centered Database

Resource ID: SCR_002168

Alternate IDs: nif-0000-00007

Ratings and Alerts

No rating or validation information has been found for Cell Centered Database.

No alerts have been found for Cell Centered Database.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 31 mentions in open access literature.

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


Pykälä J, et al. (2020) Taxonomy of species characterised by large spores, perithecia leaving pits in the rock and a pale thin thallus in Finland. MycoKeys, 72, 43-92.


Niethammer M, et al. (2013) Segmentation with area constraints. Medical image analysis,