

Resource Summary Report

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Center for Cell Analysis and Modeling

RRID:SCR_013656

Type: Tool

Proper Citation

Center for Cell Analysis and Modeling (RRID:SCR_013656)

Resource Information

URL: <http://www.ccam.uchc.edu>

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Description: THIS RESOURCE IS NO LONGER IN SERVICE. Documented on October 26, 2023. CCAM is one of five National Technology Centers for Networks and Pathways, NTCNP, funded through the NIH Technology Center for Networks and Pathways, TCNP. CCAM integrates new microscope technologies for making quantitative in vivo live cell measurements with new physical formulations and computational tools that will produce spatially realistic quantitative models of intracellular dynamics. The overarching rationale for CCAMs research as a TCNP is that polarity in networks and pathways is determined by the spatial organization, subcellular distribution, dynamic behavior, interactions and functions of specific molecules within the cell. To investigate these relationships, we use a tripartite approach described as: :1) Measure - develop new tools for measuring spatially resolved dynamic behavior of molecules in cells, :2) Model - develop new methods for spatial modeling of biological systems. :3) Manipulate - develop new techniques for manipulating the spatial distribution of molecules in living cells. :Microscopy contrast enhancement protocol, biophotonics, subcellular :

Synonyms: CCAM - Computational Facility

Resource Type: data computation service

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Center for Cell Analysis and Modeling

Resource ID: SCR_013656

Alternate IDs: nif-0000-00528

Record Creation Time: 20220129T080317+0000

Record Last Update: 20260815T182457+0000

Ratings and Alerts

No rating or validation information has been found for Center for Cell Analysis and Modeling.

No alerts have been found for Center for Cell Analysis and Modeling.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.