

Resource Summary Report

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University of California at Santa Cruz Life Sciences Microscopy Center Core Facility

RRID:SCR_021135

Type: Tool

Proper Citation

University of California at Santa Cruz Life Sciences Microscopy Center Core Facility
(RRID:SCR_021135)

Resource Information

URL: <https://ibsc.ucsc.edu/facilities/microscopy>

Proper Citation: University of California at Santa Cruz Life Sciences Microscopy Center Core Facility (RRID:SCR_021135)

Description: Core facility affiliated with Institute for Biology of Stem Cells. Provides imaging instrumentation to biology research community including personalized assistance on various aspects of imaging. Offers assistance in experimental design, training on shared microscopes, image visualization and image analysis.

Synonyms: UCSC Life Sciences Microscopy Center

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

Keywords: USEDit, IBSC, imaging instrumentation, imaging personalized assistance, ABRF

Funding: NIH Office of the Director OD023528

Resource Name: University of California at Santa Cruz Life Sciences Microscopy Center Core Facility

Resource ID: SCR_021135

Alternate IDs: ABRF_1168

Alternate URLs: <https://coremarketplace.org/?FacilityID=1168>

Record Creation Time: 20220129T080354+0000

Record Last Update: 20260804T043732+0000

Ratings and Alerts

No rating or validation information has been found for University of California at Santa Cruz Life Sciences Microscopy Center Core Facility.

No alerts have been found for University of California at Santa Cruz Life Sciences Microscopy Center Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 49 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#).

Hernandez S, et al. (2025) Self-Organizing Neural Networks in Organoids Reveal Principles of Forebrain Circuit Assembly. *bioRxiv : the preprint server for biology*.

Haro-Acosta V, et al. (2025) LMO2 regulates epithelial-mesenchymal plasticity of mammary epithelial cells. *Research square*.

Smith-Berdan S, et al. (2025) Vascular endothelial growth factor-induced vascular permeability results in drastic and reversible hematopoietic stem cell mobilization. *Stem cell reports*, 20(7), 102547.

Zargari A, et al. (2025) Enhanced cell tracking using a GAN-based super-resolution video-to-video time-lapse microscopy generative model. *iScience*, 28(4), 112225.

Jacobs J, et al. (2025) Wolbachia induces host cell identity changes and determines symbiotic fate in *Drosophila*. *bioRxiv : the preprint server for biology*.

Dickson RG, et al. (2025) Brain-Wide Connectivity Patterns of Feedforward and Feedback Cortico-Cortical Neurons in the Mouse Secondary Visual Cortex. *The Journal of comparative neurology*, 533(12), e70111.

Chappell L, et al. (2025) Fexinidazole and Corallopyronin A target Wolbachia-infected sheath cells present in filarial nematodes. *bioRxiv : the preprint server for biology*.

Warecki B, et al. (2025) Wolbachia-mediated reduction in the glutamate receptor mGluR promotes female promiscuity and bacterial spread. *Cell reports*, 44(5), 115629.

Haro-Acosta V, et al. (2025) LMO2 regulates epithelial-mesenchymal plasticity of mammary epithelial cells. *bioRxiv : the preprint server for biology*.

Chappell L, et al. (2025) Fexinidazole and Corallopyronin A target Wolbachia-infected sheath cells present in filarial nematodes. *PLoS pathogens*, 21(9), e1012929.

Cadle K, et al. (2025) Defects in the DNA Damage Response of Patient-derived Endometriosis Stromal Cells. *bioRxiv : the preprint server for biology*.

Lodewijk GA, et al. (2025) Self-organization of mouse embryonic stem cells into reproducible pre-gastrulation embryo models via CRISPRa programming. *Cell stem cell*, 32(6), 895.

Major M, et al. (2025) Distinct neurogenic dynamics of cortico-cortical neuronal subtypes in layer 2/3 of the mouse visual cortex. *Frontiers in neuroscience*, 19, 1665976.

Rosen Y, et al. (2025) Incubator-Free Organoid Culture in a Sealed Recirculatory System. *bioRxiv : the preprint server for biology*.

Major M, et al. (2025) Distinct Neurogenic Dynamics of Cortico-cortical Neuronal Subtypes in Layer 2/3 of the Mouse Visual Cortex. *bioRxiv : the preprint server for biology*.

Abed S, et al. (2025) Islet-2 Is Required for the Survival of Islet-Expressing Retinal Ganglion Cells but Not for Their Pathfinding to the Contralateral Dorsal Lateral Geniculate Nucleus. *Developmental neurobiology*, 85(3), e22978.

Dickson RG, et al. (2025) Brain-wide connectivity patterns of feedforward and feedback cortico-cortical neurons in the mouse secondary visual cortex. *bioRxiv : the preprint server for biology*.

Jacobs MW, et al. (2025) Structured and Target-Specific Development of Cortico-Cortical Connectivity in the Mouse Visual Cortex. *bioRxiv : the preprint server for biology*.

Liu X, et al. (2024) Counterclockwise rotation of the flagellum promotes biofilm initiation in *Helicobacter pylori*. *mBio*, 15(6), e0044024.

Lodewijk GA, et al. (2024) Self-organization of embryonic stem cells into a reproducible embryo model through epigenome editing. *bioRxiv : the preprint server for biology*.