

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: access service resource, core facility, service resource

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: 20260905T133420+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 61 mentions in open access literature.

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

Cisneros A, et al. (2026) Spatially defined axonal guidance in neural organoids with micropatterned microfluidic channels. bioRxiv : the preprint server for biology.

Hernandez S, et al. (2026) Establishing mouse forebrain organoids as models of intrinsic cortical network assembly. Stem cell reports, 21(4), 102832.

Vera-Choqueccota S, et al. (2026) Cloud-Connected Pluripotent Stem Cell Platform Enhances Scientific Identity in Underrepresented Students. bioRxiv : the preprint server for biology.

Brill SIG, et al. (2026) Quantitative CDK2 Dynamics Are Linked to Cell Fate Decisions in Differentiating Trophoblast Stem Cells. bioRxiv : the preprint server for biology.

Olander A, et al. (2026) Divergent aging of nulliparous and parous mammary glands reveals IL33+ hybrid epithelial cells. Nature communications, 17(1).

Perez C, et al. (2026) Wolbachia-induced Cytoplasmic Incompatibility drives epigenetic and maternally-influenced post-embryonic defects. bioRxiv : the preprint server for biology.

Torres-Montoya S, et al. (2026) Microfluidic Control of Dorsal-Ventral Patterning Within a Single Forebrain Organoid. bioRxiv : the preprint server for biology.

Torres-Montoya S, et al. (2026) A modular platform for automated organoid culture and longitudinal imaging. Scientific reports, 16(1).

Marquez AP, et al. (2026) Gene regulatory co-option drives birdsong neural circuit specialization. bioRxiv : the preprint server for biology.

Acosta VH, et al. (2026) LMO2 Regulates Epithelial-Mesenchymal Plasticity of Mammary Epithelial Cells. Journal of mammary gland biology and neoplasia, 31(1).

Perez C, et al. (2026) Wolbachia-induced Cytoplasmic Incompatibility drives epigenetic and maternally-influenced post-embryonic defects. PLoS pathogens, 22(5), e1014180.

Robbins A, et al. (2026) Goal-directed learning in cortical organoids. *Cell reports*, 45(2), 116984.

Hernandez S, et al. (2025) Self-Organizing Neural Networks in Organoids Reveal Principles of Forebrain Circuit Assembly. *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. *Frontiers in neuroscience*, 19, 1665976.

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.

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

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.

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*.

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