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: core facility, service resource, access 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: 20250517T060427+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 29 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>dkNET</u>.

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

McCaughey CS, et al. (2024) A Label-Free Approach for Relative Spatial Quantitation of c-di-GMP in Microbial Biofilms. Analytical chemistry, 96(21), 8308.

Cazares O, et al. (2024) SLIT Loss or Sequestration Increases Mammary Alveologenesis and Lactogenesis. microPublication biology, 2024.

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.

Liu X, et al. (2024) Bacterial flagella hijack type IV pili proteins to control motility. Proceedings of the National Academy of Sciences of the United States of America, 121(4), e2317452121.

Mirchandani C, et al. (2024) Mixed Wolbachia infections resolve rapidly during in vitro evolution. bioRxiv: the preprint server for biology.

Olander A, et al. (2024) Pregnancy Reduces II33+ Hybrid Progenitor Accumulation in the Aged Mammary Gland. bioRxiv: the preprint server for biology.

Mirchandani C, et al. (2024) Mixed Wolbachia infections resolve rapidly during in vitro evolution. PLoS pathogens, 20(7), e1012149.

Molinuevo R, et al. (2024) Physiological DNA damage promotes functional endoreplication of mammary gland alveolar cells during lactation. Nature communications, 15(1), 3288.

Shaffer JF, et al. (2024) Epididymis-specific RNase A family genes regulate fertility and small RNA processing. The Journal of biological chemistry, 300(12), 107933.

Voitiuk K, et al. (2024) A feedback-driven IoT microfluidic, electrophysiology, and imaging platform for brain organoid studies. bioRxiv: the preprint server for biology.

Cortez V, et al. (2023) Indoleamine 2,3-dioxygenase 1 regulates cell permissivity to astrovirus infection. Mucosal immunology, 16(4), 551.

McCaughey CS, et al. (2023) A label-free approach for relative spatial quantitation of c-di-GMP in microbial biofilms. bioRxiv: the preprint server for biology.

Russell SL, et al. (2023) Wolbachia endosymbionts manipulate the self-renewal and differentiation of germline stem cells to reinforce fertility of their fruit fly host. PLoS biology, 21(10), e3002335.

Monem PC, et al. (2023) Ubiquitination of stalled ribosomes enables mRNA decay via HBS-1 and NONU-1 in vivo. PLoS genetics, 19(1), e1010577.

Bowman BJ, et al. (2023) The structure of prevacuolar compartments in Neurospora crassa as observed with super-resolution microscopy. PloS one, 18(4), e0282989.

Radousky YA, et al. (2023) Distinct Wolbachia localization patterns in oocytes of diverse host species reveal multiple strategies of maternal transmission. Genetics, 224(1).

Warecki B, et al. (2023) Centralspindlin-mediated transport of RhoGEF positions the cleavage plane for cytokinesis. Science signaling, 16(792), eadh0601.

Warecki B, et al. (2023) Connections between sister and non-sister telomeres of segregating chromatids maintain euploidy. Current biology: CB, 33(1), 58.

Ricemeyer L, et al. (2022) Structures of Two Human Astrovirus Capsid/Neutralizing Antibody Complexes Reveal Distinct Epitopes and Inhibition of Virus Attachment to Cells. Journal of virology, 96(1), e0141521.