

# Resource Summary Report

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## University of British Columbia Vancouver Bioimaging Core Facility

RRID:SCR\_021304

Type: Tool

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### Proper Citation

University of British Columbia Vancouver Bioimaging Core Facility (RRID:SCR\_021304)

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### Resource Information

**URL:** <http://www.bioimaging.ubc.ca>

**Proper Citation:** University of British Columbia Vancouver Bioimaging Core Facility (RRID:SCR\_021304)

**Description:** Provides optical and electron microscope infrastructure for live cell imaging, multi photon imaging, advanced sample preparation including cryo-preparation for electron microscopy, routine SEM and TEM, Cryo-TEM, TEM tomography, and Correlative Light and Electron Microscopy (CLEM). Equipped with 4 electron microscopes (1 SEM and 3 TEMs), 2 advanced fluorescence microscopes (confocal/multi-photon and spinning disk), cryo-fixation (High pressure freezer, Vitrobot) and EM processing equipment (Microwave, critical point dryer, coaters).Provides microscopy access, training and service.

**Abbreviations:** BIF

**Synonyms:** University of British Columbia Bioimaging Facility, Bioimaging Facility, UBC Bioimaging Facility

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

**Keywords:** USEDit, ABRF, optical microscope, electron microscope, live cell imaging, multi photon imaging, sample preparation, cryo-preparation, SEM, TEM, Cryo-TEM, TEM tomography

**Availability:** open

**Resource Name:** University of British Columbia Vancouver Bioimaging Core Facility

**Resource ID:** SCR\_021304

**Alternate IDs:** ABRF\_1190

**Alternate URLs:** <https://coremarketplace.org/?FacilityID=1190>

**Record Creation Time:** 20220129T080354+0000

**Record Last Update:** 20260905T133421+0000

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## Ratings and Alerts

No rating or validation information has been found for University of British Columbia Vancouver Bioimaging Core Facility.

No alerts have been found for University of British Columbia Vancouver Bioimaging Core Facility.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 54 mentions in open access literature.

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

Hazelwood OS, et al. (2026) Cell cycle follows 'pause and play' mechanism in salt and cold stress recovery in diverse plant species. The New phytologist, 250(3), 1689.

Tan Z, et al. (2026) A Human-Based Skin-Lymphoreticular Model-on-Chip to Emulate Inflammatory Skin Conditions. Advanced healthcare materials, e03170.

Roy-Musor MR, et al. (2026) Holdfast adhesion in the kelp *Alaria marginata*: Cell wall polysaccharides and phenolics. Journal of phycology.

Franco GT, et al. (2026) Interfacial Adhesion in Multilayered Biopolymer Films Measured by Colloidal-Probe Atomic Force Microscopy???Toward Biodegradable Packaging. Langmuir : the ACS journal of surfaces and colloids, 42(23), 16110.

Zhigaltsev IV, et al. (2026) Hybrid Lipid Nanoparticles Containing Iron Oxide Nanoparticles and Doxorubicin. Langmuir : the ACS journal of surfaces and colloids, 42(13), 9193.

Birch R, et al. (2025) Denosumab treatment of giant cell tumors in the spine induces woven bone formation. JBMR plus, 9(6), ziaf063.

Esquivel-Alfaro M, et al. (2025) Processing of Pineapple Leaf Fibers for the Production of Oxidized Micro-/Nanofibrillated Cellulose. Polymers, 17(19).

Zhao G, et al. (2025) Cyclodextrin Counteracts Coxsackievirus-Induced Cardiac Damage by Protecting Desmosome Integrity and Suppressing Proinflammatory Cytokine Expression. Microorganisms, 13(10).

- Sack AS, et al. (2025) Maturation Stage-Dependent Contributions of the Cav3.2 T-Type Calcium Channel to Dentate Gyrus Granule Cell Excitability. *eNeuro*, 12(4).
- Skinner MF, et al. (2025) Potential of Japanese Macaques for Understanding Etiology and Seasonality of Repetitive Linear Enamel Hypoplasia in Nonhuman Primates. *American journal of primatology*, 87(1), e23713.
- White RB, et al. (2025) The X-Linked Intellectual Disability Gene, ZDHHC9 , Is Important for Oligodendrocyte Subtype Determination and Myelination. *Glia*, 73(7), 1452.
- Zhao Z, et al. (2025) YibN, a bona fide interactor of the bacterial YidC insertase with effects on membrane protein insertion and membrane lipid production. *The Journal of biological chemistry*, 301(4), 108395.
- Li Z, et al. (2025) Bioinspired and Biodegradable Hydrothermally Treated Cellulose Nanocrystal Aerogels for High Efficiency Solar Steam Generation and Sustainable Water Purification. *Small (Weinheim an der Bergstrasse, Germany)*, 21(50), e08897.
- Bedford E, et al. (2025) Carbon starvation induces coincident capsule and cell wall remodeling in *Cryptococcus neoformans*. *mBio*, e0370125.
- Andrew LJ, et al. (2025) High-Resolution AFM Visualization of Nanocellulose Surface Grafting with Small Molecules. *Small (Weinheim an der Bergstrasse, Germany)*, 21(36), e01435.
- Gouin Y, et al. (2025) The genome of *Gallaecimonas pentaromativorans* strain 10A, isolated from a Pacific oyster, sheds light on an environmentally widespread genus with remarkable metabolic potential. *PloS one*, 20(10), e0334406.
- Li Z, et al. (2024) Durable Hydrophobic Iridescent Films with Tunable Colors from Self-Assembled Cellulose Nanocrystals. *Small (Weinheim an der Bergstrasse, Germany)*, e2409701.
- Cho A, et al. (2024) Genomic analyses of *Symbiomonas scintillans* show no evidence for endosymbiotic bacteria but does reveal the presence of giant viruses. *PLoS genetics*, 20(4), e1011218.
- Darvish S, et al. (2024) Antibacterial Properties of an Experimental Dental Resin Loaded with Gold Nanoshells for Photothermal Therapy Applications. *Journal of functional biomaterials*, 15(4).
- Fleetwood SK, et al. (2024) Preparation of isolated guard cells, containing cell walls, from *Vicia faba*. *PloS one*, 19(3), e0299810.