Resource Summary Report

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University of British Columbia Vancouver Bioimaging Core Facility

RRID:SCR_021304
Type: Tool

Proper Citation

University of British Columbia Vancouver Bioimaging Core Facility (RRID:SCR_021304)

Resource Information

URL: http://www.bioimaging.ubc.ca

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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: core facility, service resource, access 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

Funding:

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: 20250508T065938+0000

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.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 37 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

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.

Fleetwood SK, et al. (2024) Preparation of isolated guard cells, containing cell walls, from Vicia faba. PloS one, 19(3), e0299810.

Asghari P, et al. (2024) Phosphorylation of RyR2 simultaneously expands the dyad and rearranges the tetramers. The Journal of general physiology, 156(4).

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).

Chen J, et al. (2024) Monodispersed Renewable Particles by Cascade and Density Gradient Size Fractionation to Advance Lignin Nanotechnologies. Small (Weinheim an der Bergstrasse, Germany), 20(34), e2309756.

Su X, et al. (2024) Control of the Colloidal and Adsorption Behaviors of Chitin Nanocrystals and an Oppositely Charged Surfactant at Solid, Liquid, and Gas Interfaces. Langmuir : the ACS journal of surfaces and colloids, 40(9), 4881.

Li Z, et al. (2024) Durable Hydrophobic Iridescent Films with Tunable Colors from Self-Assembled Cellulose Nanocrystals. Small (Weinheim an der Bergstrasse, Germany), e2409701.

Zhao G, et al. (2024) Heart-specific NFAT5 knockout suppresses type I interferon signaling and aggravates coxsackievirus-induced myocarditis. Basic research in cardiology.

Tian J, et al. (2024) Pickering emulsion stabilization with colloidal lignin is enhanced by salt-induced networking in the aqueous phase. International journal of biological macromolecules, 274(Pt 2), 133504.

Lu Y, et al. (2024) Multiphase Under-Liquid Biofabrication With Living Soft Matter: A Route to Customize Functional Architectures With Microbial Nanocellulose. Advanced materials (Deerfield Beach, Fla.), 36(27), e2400311.

Shi L, et al. (2024) Fibrillization of lentil proteins is impacted by the protein extraction conditions and co-extracted phenolics. Food chemistry, 448, 139104.

Frey C, et al. (2024) Development of automated proteomic workflows utilizing silicon-based coupling agents. Journal of proteomics, 303, 105215.

Cai G, et al. (2024) Production of Carbon Fibers Using a Molten Cu-In Catalyst for Methane Pyrolysis. ACS applied materials & interfaces, 16(49), 67674.

Ye H, et al. (2024) Integrating Metal-Phenolic Networks-Mediated Separation and Machine Learning-Aided Surface-Enhanced Raman Spectroscopy for Accurate Nanoplastics Quantification and Classification. ACS nano.

Kowal MD, et al. (2024) Electrophoretic Deposition Interferometric Scattering Mass Photometry. ACS nano, 18(15), 10388.

Luppi BT, et al. (2024) Polymer Dots with Delayed Fluorescence and Tunable Cellular Uptake for Photodynamic Therapy and Time-Gated Imaging. Angewandte Chemie (International ed. in English), e202400712.

Shi X, et al. (2024) Solid Wood Modification toward Anisotropic Elastic and Insulative Foam-Like Materials. ACS nano, 18(11), 7959.

Fleetwood SK, et al. (2024) Water-Repellent Spray for Textiles Using Plant Waste from

Conifer Trees. ACS applied engineering materials, 2(5), 1288.

Guo S, et al. (2023) All-Aqueous Bicontinuous Structured Liquid Crystal Emulsion through Intraphase Trapping of Cellulose Nanoparticles. Biomacromolecules, 24(1), 367.