

# Resource Summary Report

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## University of Melbourne Biological Optical Microscopy Platform (BOMP) Core Facility

RRID:SCR\_018888

Type: Tool

### Proper Citation

University of Melbourne Biological Optical Microscopy Platform (BOMP) Core Facility  
(RRID:SCR\_018888)

### Resource Information

**URL:** <https://biomedicalsciences.unimelb.edu.au/departments/departments-of-biochemistry-and-pharmacology/research/services/bomp>

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**Description:** Core provides access to fluorescence microscopy equipment including Deltavision OMX Blaze Super Resolution (3D-SIM/SMLM), Leica SP8 inverted confocal, La Vision Ultramicroscope II Lightsheet Microscope, Nikon Andor WD spinning disk, Nikon A1R inverted confocal x2, Olympus FV-MPERS Multi Photon, Olympus FV3000 inverted confocal (live cell) ISS Fast-FLIM, Perkin Elmer Operetta High Content Imaging, Zeiss LSM800 upright Airyscan, Zeiss LSM880 upright Airyscan fast, Zeiss Elyra/LSM880 inverted (live cell), super resolution (Airyscan/SMLM). Staff can help with image analysis, super resolution microscopy, fluorescence lifetime imaging microscopy, high content imaging and light sheet microscopy techniques.

**Abbreviations:** BOMP

**Synonyms:** Biological Optical Microscopy Platform

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

**Keywords:** Fluorescence microscopy, microscope, instrument, equipment, image analysis, imaging microscopy, light sheet microscopy, imaging, ABRF, ABRF

**Availability:** Open

**Resource Name:** University of Melbourne Biological Optical Microscopy Platform (BOMP) Core Facility

**Resource ID:** SCR\_018888

**Alternate IDs:** ABRF\_5666

**Alternate URLs:** [https://coremarketplace.org/RRID:SCR\\_018888/?citation=1](https://coremarketplace.org/RRID:SCR_018888/?citation=1),  
<https://microscopy.unimelb.edu.au/>

**Old URLs:** <https://research.unimelb.edu.au/facilities-and-resources/research-infrastructure/biological-optical-microscopy-platform>

**Record Creation Time:** 20220129T080342+0000

**Record Last Update:** 20260912T200407+0000

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## Ratings and Alerts

No rating or validation information has been found for University of Melbourne Biological Optical Microscopy Platform (BOMP) Core Facility.

No alerts have been found for University of Melbourne Biological Optical Microscopy Platform (BOMP) Core Facility.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Shibu MA, et al. (2026) MAHRP2 is required for tether formation and cytoadherence in Plasmodium falciparum infected red blood cells. *Frontiers in cellular and infection microbiology*, 16, 1675134.

Fuller-Jackson JP, et al. (2025) A 3D Atlas of Visceral and Somatic Pelvic Motor Neurons in Whole Mounts of Female and Male Rat Spinal Cords. *The Journal of comparative neurology*, 533(11), e70109.

Bowden LD, et al. (2025) A multiscale vascular atlas of blood vessels supplying the urinary bladder of male and female mice. *American journal of physiology. Renal physiology*, 329(3), F374.

Cheers SR, et al. (2023) Spastin is an essential regulator of male meiosis, acrosome formation, manchette structure and nuclear integrity. *Development (Cambridge, England)*, 150(6).

Dunleavy JEM, et al. (2023) The katanin A-subunits KATNA1 and KATNAL1 act co-operatively in mammalian meiosis and spermiogenesis to achieve male fertility. *Development (Cambridge, England)*, 150(22).