

Resource Summary Report

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University of Manchester Electron Microscopy Core Facility

RRID:SCR_021147

Type: Tool

Proper Citation

University of Manchester Electron Microscopy Core Facility (RRID:SCR_021147)

Resource Information

URL: <https://www.bmh.manchester.ac.uk/research/facilities/electron-microscopy/>

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Description: Offers expertise and equipment tailored for biological samples mostly. Houses four electron microscopes. Preparation laboratory includes range of specialised room temperature and cryo sample preparation equipment, ultramicrotomes and suite of computer workstations for image processing. Electron microscopy staff are available to train and assist.

Synonyms: UoM-FBMH_EM_Core_Facility, University of Manchester UoM-FBMH_EM_Core_Facility

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

Keywords: USEdit, electron microscopy, cryo sample preparation equipment, electron microscope, ultramicrotome, training, ABRF, ABRF

Resource Name: University of Manchester Electron Microscopy Core Facility

Resource ID: SCR_021147

Alternate IDs: ABRF_1169

Alternate URLs: <https://coremarketplace.org/?FacilityID=1169>

Record Creation Time: 20220129T080354+0000

Record Last Update: 20260905T133420+0000

Ratings and Alerts

No rating or validation information has been found for University of Manchester Electron Microscopy Core Facility.

No alerts have been found for University of Manchester Electron Microscopy Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 22 mentions in open access literature.

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

Chiavacci E, et al. (2026) Resilience to Cardiac Aging in Greenland Shark Somniosus microcephalus. Aging cell, 25(5), e70505.

McMorrow LA, et al. (2026) Self-Assembling Peptide Hydrogels Support Stromal Vascular Fraction Viability to Promote In Vivo Nerve Regeneration. Advanced healthcare materials, 15(10), e03987.

Zhao X, et al. (2026) Selective vulnerability of cerebral vasculature to NOTCH3 variants in small vessel disease and rescue by phosphodiesterase-5 inhibitor. Science advances, 12(14), eaeb1134.

Liu Z, et al. (2025) Investigating the co-assembly of amphipathic peptides. Faraday discussions, 260, 179.

Spanou CES, et al. (2025) Prodomain processing controls BMP-10 bioactivity and targeting to fibrillin-1 in latent conformation. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 39(3), e70373.

Godwin ARF, et al. (2025) Collagen VI microfibril structure reveals mechanism for molecular assembly and clustering of inherited pathogenic mutations. Nature communications, 16(1), 7549.

Hossain AS, et al. (2025) Fibrillin-1 G234D mutation in the hybrid1 domain causes tight skin associated with dysregulated elastogenesis and increased collagen cross-linking in mice. Matrix biology : journal of the International Society for Matrix Biology, 135, 24.

Ontoria A, et al. (2025) Immobilization of Enzyme-Polymer Hybrids and Nanozymes Through Electrostatic Interactions: Toward Multicatalytic Microreactors with Controlled Nanoarchitecture. Small science, 5(8), 2500167.

Chen Y, et al. (2025) Interplay between material properties and cellular effects drives distinct pattern of interaction of graphene oxide with cancer and non-cancer cells. Journal of nanobiotechnology, 23(1), 393.

Dong S, et al. (2024) Effect of Peptide-Polymer Host-Guest Electrostatic Interactions on Self-Assembling Peptide Hydrogels Structural and Mechanical Properties and Polymer Diffusivity. *Biomacromolecules*, 25(6), 3628.

Castillo-Díaz LA, et al. (2024) RGD-functionalised self-assembling peptide hydrogel induces a proliferative profile in human osteoblasts in vitro. *Journal of peptide science : an official publication of the European Peptide Society*, e3653.

Vitali T, et al. (2023) Vimentin intermediate filaments provide structural stability to the mammalian Golgi complex. *Journal of cell science*, 136(20).

Godwin ARF, et al. (2023) Fibrillin microfibril structure identifies long-range effects of inherited pathogenic mutations affecting a key regulatory latent TGF β -binding site. *Nature structural & molecular biology*, 30(5), 608.

Frampton SL, et al. (2022) Modelling the structure of Short Gastrulation and generation of a toolkit for studying its function in *Drosophila*. *Biology open*, 11(6).

Morgan J, et al. (2022) Pacsin2 is required for endocytosis in the zebrafish pronephric tubule. *Biology open*, 11(6).

Kaur N, et al. (2022) Paracrine signal emanating from stressed cardiomyocytes aggravates inflammatory microenvironment in diabetic cardiomyopathy. *iScience*, 25(3), 103973.

Fresquet M, et al. (2022) Structure of PLA2R reveals presentation of the dominant membranous nephropathy epitope and an immunogenic patch. *Proceedings of the National Academy of Sciences of the United States of America*, 119(29), e2202209119.

Rajab BS, et al. (2022) Differential remodelling of mitochondrial subpopulations and mitochondrial dysfunction are a feature of early stage diabetes. *Scientific reports*, 12(1), 978.

Oltrabella F, et al. (2022) IPIP27A cooperates with OCRL to support endocytic traffic in the zebrafish pronephric tubule. *Human molecular genetics*, 31(8), 1183.

Ligorio C, et al. (2022) Acidic and basic self-assembling peptide and peptide-graphene oxide hydrogels: characterisation and effect on encapsulated nucleus pulposus cells. *Acta biomaterialia*, 143, 145.