## **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/

**Proper Citation:** University of Manchester Electron Microscopy Core Facility (RRID:SCR\_021147)

**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

Funding:

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: 20250429T060048+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: <u>SciCrunch Registry</u>

## **Usage and Citation Metrics**

We found 14 mentions in open access literature.

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

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.

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?-binding site. Nature structural & molecular biology, 30(5), 608.

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

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).

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.

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.

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

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

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.

Tadijan A, et al. (2021) The Tongue Squamous Carcinoma Cell Line Cal27 Primarily Employs Integrin ?6?4-Containing Type II Hemidesmosomes for Adhesion Which Contribute to Anticancer Drug Sensitivity. Frontiers in cell and developmental biology, 9, 786758.

Altujjar A, et al. (2021) Improving the Efficiency, Stability, and Adhesion of Perovskite Solar Cells Using Nanogel Additive Engineering. ACS applied materials & interfaces, 13(49), 58640.