

CMM Equipment

The Centre is well-equipped with a suite of analytical instruments for research in the material and biological sciences.

CMM instruments may be utilised at any time as the Centre is accessible 24 hours a day.

Located on the ground floor of the Australian Institute for Bioengineering and Nanotechnology building, this facility provides state-of-the-art transmission electron microscopy, scanning electron microscopy, volume microscopy (three dimensional SEM) and optical microscopy and also provides a range of dedicated and specialised EM sample preparation techniques.

AIBN LABORATORY

The Hawken laboratory is based in the Hawken Engineering building and it specialises in scanning electron microscopy methods for a wide range of sample types; including a wide range of microanalysis techniques. The laboratory also houses an electron microprobe which provides quantitative elemental analysis from polished specimens and RAMAN Microscopy.

HAWKEN LABORATORY

The X-ray analysis facility is based on level two of the Chemistry building and provides a range of X-ray techniques (XRD, SAXS, thin films and XPS) for studying chemical composition, nano-scale size and crystalline phases in a range of materials.

CHEMISTRY LABORATORY

Located in the Queensland Bioscience Precinct, the cryo-transmission electron microscopy facility provides both standard and cryo TEM analysis and sample preparation. It also provides electron tomography (three dimensional EM imaging) and single particle imaging.

QBP LABORATORY

Acknowledge CMM

Clients are requested to acknowledge CMM in all publications generated through the assistance of CMM staff and the use of CMM facilities.

Please acknowledge CMM as follows:

“The authors acknowledge the facilities, and the scientific and technical assistance, of the Australian Microscopy & Microanalysis Research Facility at the Centre for Microscopy and Microanalysis, The University of Queensland”

Prize for best publication

Each year CMM will award two student bursaries of \$750 each and one ECR bursary of \$1000. These bursaries will go towards travel to a microscopy/microanalysis conference.

Publications must include the CMM/AMMRF acknowledgment in order to be eligible for these bursaries.

For more information about the bursaries and how to apply, email cmm@uq.edu.au.

Image collection

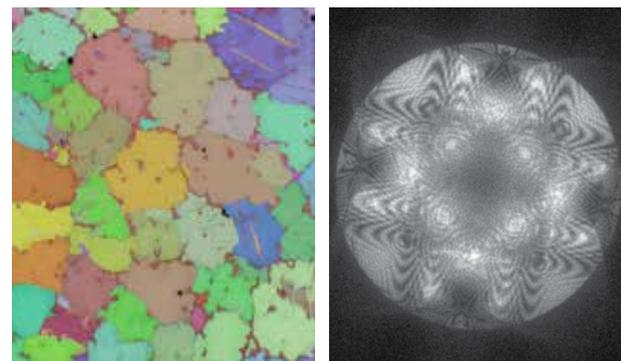
CMM collects images to share online with the broader community.

Please email cmm@uq.edu.au if you have an image (along with a short description of the image and/or project) that you would be willing to donate to CMM. We are looking for ‘high-res’ Scanning Electron Microscopy or Transmission Electron Microscopy images, raw or modified, as well as 3D models.

Please do not send the exact image that has been published or that you are planning to publish, or a result that is confidential. We will acknowledge the person/research group doing the work, unless otherwise requested.

PRIZE FOR BEST IMAGE

We will give a prepaid ‘Café Nano’ coffee card to each monthly winner.



characterise the invisible

About CMM

The Centre for Microscopy and Microanalysis (CMM) is an interdisciplinary research, training and service centre. We play an integral role within the research programs of The University of Queensland and participate in both undergraduate and postgraduate education. We provide a comprehensive suite of analytical instrumentation and a high standard of training programs for university researchers. Our highly experienced, specialist staff are committed to providing a supportive and resourceful working environment where clients receive expert advice and training that equips them to achieve their research goals.

CMM is also a partner to industry and offers consultation, testing services, access to instruments, contract research or even long-term research collaborations e.g., co-funded by government grants which can be tailored to the needs of your business.

CMM and AMMRF

The CMM is a foundation member and the Queensland Node of the Australian Microscopy and Microanalysis Research Facility (AMMRF). Under AMMRF, major microscopy facilities (Nodes) and linked laboratories unite to form an extensive network. As part of the AMMRF, we can offer our clients access to online teaching and learning resources such as TechFi™, MyScope™ and CVL.

Follow the links on the AMMRF website for more information.

ammrf.org.au



You are welcome to talk to us

DIRECTOR

Roger Wepf
tel: +61 (0)7 3346 3966
e: r.wepf@uq.edu.au

AIBN Lab

Richard Webb
tel: +61 (0)7 3346 3959
e: r.webb@uq.edu.au

Chemistry Lab

Kevin Jack
tel: + 61 (0)7 3365 1143
e: k.jack@uq.edu.au

Hawken Lab

Ron Rasch
tel: +61 (0)7 3365 7939
e: r.rasch@uq.edu.au

QBP Lab

Matthias Floetenmeyer
tel: +61 (0)7 3346 2935
e: uqmfloete@uq.edu.au

Administration

Jenny Brown
tel: +61 (0)7 3346 3944
e: cmm@uq.edu.au

cmm.uq.edu.au

The University of Queensland
St Lucia, QLD 4072
Australia

CENTRE FOR MICROSCOPY AND MICROANALYSIS (CMM)

make the invisible visible

