

Newcastle
University
**Microscopy
Club**



SLG - Microscopy Club





Microscopy Club



Aims

- Create a community of microscopy enthusiasts, from a range of backgrounds
 - Facility staff and technicians
 - Researchers
 - Students and beyond.
- Have an open forum to discuss all forms of current and future microscopy methods and technology.
- Provide somewhere for people to go for:
 - Help
 - troubleshooting workflows
 - Information about courses, conferences etc, not only within Newcastle but further afield.



Microscopy Club



What is it?

- Monthly meeting, every 3rd Friday of the month.
- Alternating between more formal sessions with short talks and discussion and an informal drop-in session for help and troubleshooting.

Who are we?

- Primarily run by members of the EM and Bioimaging facilities.
- Currently have around 91 members
 - ranging from PGR students, post-docs, professors, technicians and facility staff.

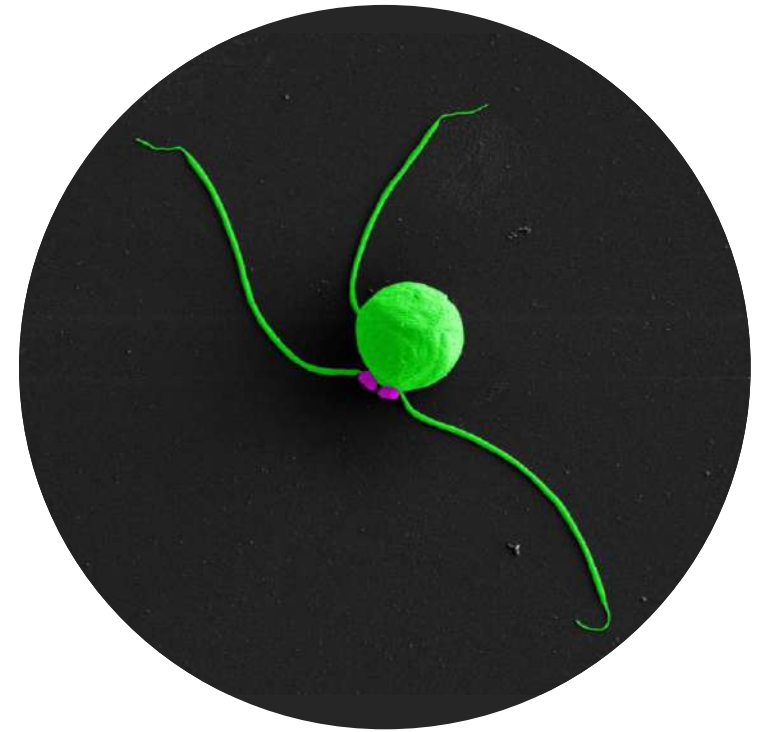


Microscopy Club



Discussion sessions:

- Short 10-minute talks from our members on a variety of topics such as:
 - Recent paper (journal club)
 - New or existing imaging techniques
 - Analysis software introduction or protocol
- Or longer 30-minute talks from an imaging specialist
- Time for questions and discussions





Microscopy Club



Drop-in help sessions:

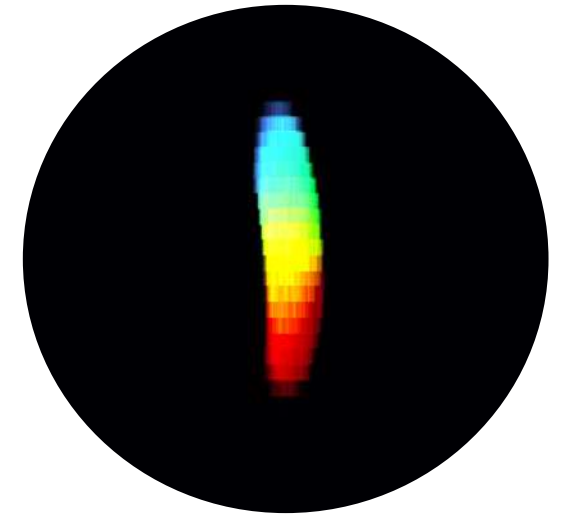
- Turnout for this was small so we might make it just an open time to drop into our labs for discussion
- Opportunity to speak to those that work in the core facilities and with peers that may have solutions to similar problems.
- Questions to be provided in advance.
- Can drop-in on the day with smaller problems without informing in advance (be aware that might not be able to help with more complex problems this way)
- Depending on numbers may group people with similar problems.
- Open discussion for troubleshooting problems.



First meeting – 20/02/26



- 43 people, meeting in person and online, attended the first meeting.
- Informal meeting introducing Microscopy club and what it will be.
- Outcomes from first meeting include:
 - Training/workshops/demos
 - Current capabilities of the imaging facilities.
 - Overall people seemed to be enthusiastic, and we hope this will continue!

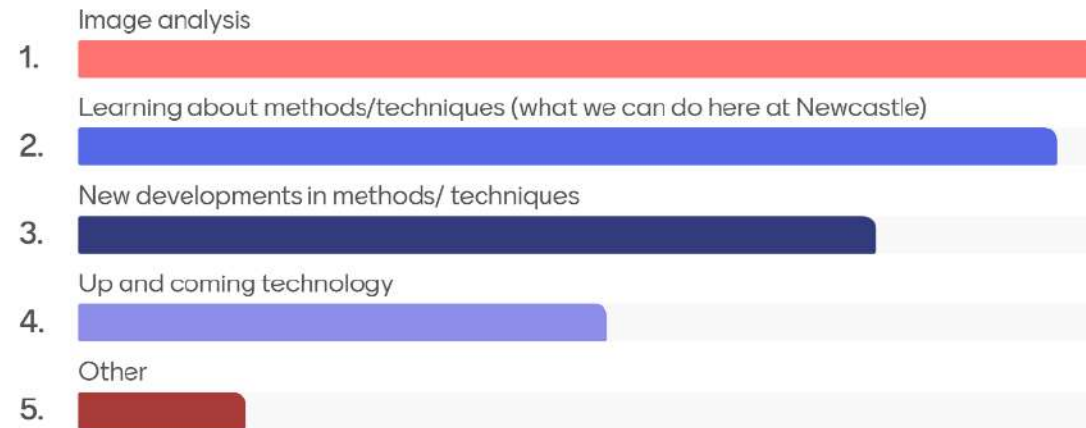




First meeting – 20/02/26



What are your main interests in microscopy or reasons for joining this club?

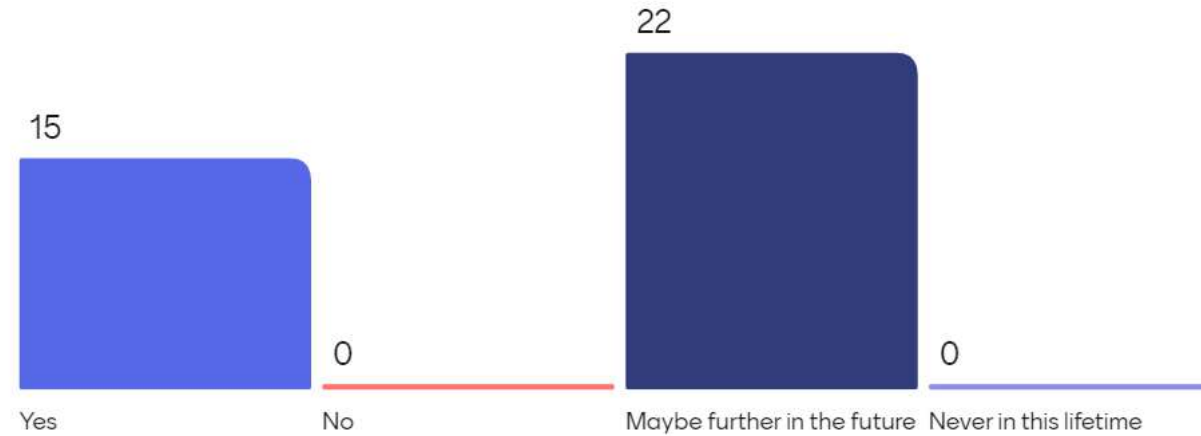




First meeting – 20/02/26



Would you be willing to present in upcoming sessions (next 6 months)?





Second meeting – 20/03/26

Talks:

- Glyn Nelson: More data, Gromit?
- Jane Zhuk (PGR): Quantitative IF for rare disease research
- Erin Cocks: A latte contrast: Exploring alternative contrasting stains

Third meeting – 15/05/26



Talks:

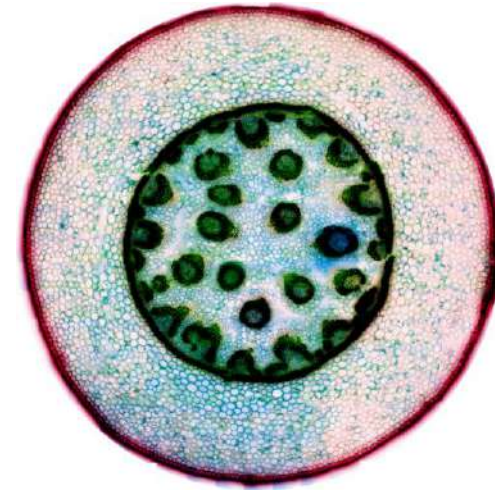
- Emma Foster: QuPath: What's it for?
- Michael Savage: Calcium Imaging: Keeping it Simple
- James Grimshaw: Image Analysis with Python



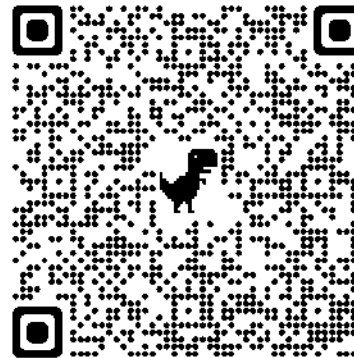
What's next?



- The next 3 meetings are already scheduled.
- Including a Nikon sponsored club session.
- Hoping to have more sessions sponsored by companies.



Sign up:



Teams Group:





FTMA funded Workshops



Workshops will cover sample preparation, imaging, and analysis across multiple light and electron microscopy techniques and image analysis, such as confocal, widefield, STED, transmission and scanning electron microscopy and much more. To register your interest or sign-up for workshops please fill in the forms below.



Light
Microscopy



<https://tinyurl.com/LMworkshops>



Electron Microscopy
Research Services

Electron
Microscopy



<https://tinyurl.com/EMSignUpForm>



Electron Microscopy
Research Services



Biotechnology and
Biological Sciences
Research Council



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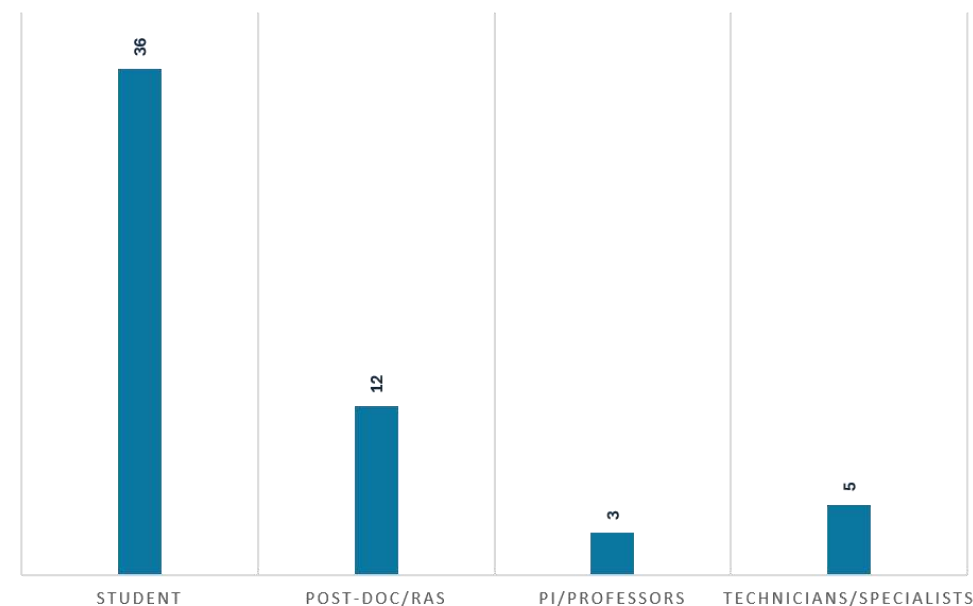
Funded by the CONNECT Knowledge Exchange Fund (UKRI-BBSRC grant led by the Babraham Institute and Newcastle University)



Interest so far



- 56 registrations across all workshops so far.
- Majority are postgraduate students, with some Post-docs and research associates and assistants, and a small number of PIs, professors and technicians or specialists.
- Majority from the Northeast, Newcastle, Northumbria, Durham, Teeside universities.
- Couple from Queen's University Belfast, Babraham Institute and even from RMIT, Australia.





First EM Workshop– 22/06 – 24/06



- 31 people, in-person and online, attended over the 3 days, from QUB, Northumbria, Durham, Teeside and Newcastle.
- Covered a range of sample preparation, imaging and analysis for transmission electron microscopy.





Coming up...



3 Day Sectioning Workshop Schedule – 13/7-15/7 - 8 in-person places available, plenty online

13th – Block trimming and prep.

14th – Taking ultrathin sections.

15th – Serial sectioning.

3 Day SEM Workshop Schedule – 17/8-19/8 - 8 in-person places available, plenty online

17th – Processing for SEM

18th – Imaging

19th – Analysis

3 Day SBF-SEM Workshop Schedule – 21/9-23/9 - 8 in-person places available, plenty online

21st – Processing

22nd – Pin preparation

23rd – Imaging and Analysis

Image Analysis – TBC - Online

TEM Analysis

SEM Analysis

SBF-SEM Analysis



Electron
Microscopy



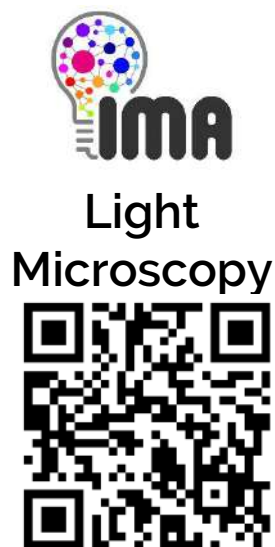
<https://tinyurl.com/EMSignUpForm>



Links



Workshops



<https://tinyurl.com/LMworkshops>



Electron
Microscopy



<https://tinyurl.com/EMSignUpForm>

Microscopy Club

Sign up:



Teams Group:

