

Present: Professor Simon Leedham (SL-Chair), Christian Siebold (CS), Ellie Tzima (ET), James Bancroft (JB), Fiona Williams (FW- Secretary), Gillian Douglas (GD), Professor Yvonne Jones (YJ) & John Grimes (JG)

Apologies: Loic Carrique (LC), Cath Green (CG), Jens Rittscher (JR)

Matters Arising/Actions:

Agenda Item	Description	Owner
3.4	Data storage worked examples for imaging data to include in applications	DB et al. (Jun21)
3.4	FW to invite RE for June/August meeting	FW
4.	YJ to re-approach Martin Walsh from Diamond	YJ (Jun21)
4.	JB to approach Andrew McAinish for a Seminar, Warwick Medical School.	JB
4	JG to approach Maria Harkiolaki, B24 to present June/July	JG
5	JB to send around MRC Bid to committee and discuss further with SL/CS.	JB

1. Minutes and Apologies:

1.1. Minutes agreed.

2. Matters arising from the previous meeting:

- 2.1. SL thanked YJ for her service to the committee, YJ stepping down as joint chair and CS welcomed. FW welcomed as new secretary, replacing DB.
- 2.2. Actions reviewed: Andrew McNish seminar – JB confirmed her has made contact. YJ to chase Martin Walsh from Diamond. DB to work with RobEsnouf on Data Storage for applications, this was delayed due to cluster refresh, FW to invite RE for update and will keep as ongoing but won't be immediate progress.
- 2.3. SL updated he had attended the meeting to discuss cross system access for samples wit THL Lab; reported it was a useful meeting, lots independent work across campus, but lacks infrastructure. He has suggested to RC & JT an Imaging and Analysis Centre could be put forward to Wellcome Platform Grant. Discussions are on-going. Possibility of an analysis room in the centre.

3. Standing meeting items:

3.1. Imaging Core

Cellular Imaging – Update from JB: Increase in bookings over the last 2 years. Workshops and seminars are doing well and getting customers in. OXMIC and advanced seminars are also ongoing until June. Imaging Facility Managers meeting from across the spectrum and very collegiate and gaining traction. Collaborations with WRH and others are developing well.

JB further updated on the MRC Equipment Bid – Zeiss Elyra 7. Structured Illumination System. There are other Cellular Imaging applications being submitted (Kennedy, Biochemistry). Committee were encouraged and emphasised the need for the grant to link with Strubi and USP with Cryo work.

Airyscan working well and being used extensively. Issue with file size but are working on a new process to manage where groups purchase a RAID portable drive to download images. New imaging computers installed both have a 12Tb drive for temporary storage.

Chryos EM/ OPIC – JG updated that over last 3 months updated equip and software. Collecting excellent tomography data, Aquilos 2 Cryo-FIB. Starting electron tomography on infected cells. Upgrade on Glacios. Screen and collect better quality data and more quickly. Data storage again imperative. Yellow suite being refurbished and replacing old microscope.

Chromosome Dynamics – no update.

Wednesday 27th April at 9.00am Hybrid

- 3.2. – Emerging Technologies & Software (Horizon scanning) – no update
- 3.3. – Training and Knowledge Sharing – no update
- 3.4. – Data storage & processing demands/performance – Remains an issue, we will invite Rob Esnouf (RE) back to discuss. JB starting discussions with RE. YJ added find a way for RE to accommodate all requirements of the Research Computing populations in order to future proof. JB data is large and needs to get it off the microscope quickly, to free up. Local system being explored, with perhaps interface with BMRC. Committee agreed moving and sharing data important, via research computing it supports the journey, avoiding multiples copies of data. Thinking about structuring so its across the oxford network. Invite RE back to committee and update on storage picture. **ACTION:** FW to invite for June or August.

4. Imaging seminar speaker nominations

- 4.1. Agreed the committee would continue to nominate and bring in external speakers to feed into Centre talks as an ad-hoc seminar series, ensuring a proportion are Imaging related.
- 4.2. Upcoming talks
- 4.3. Suggested that Maria Harkiolaki from B24 maybe instead of Martin Walsh? **ACTION.** JG to organise – 45-50 minute hybrid talk (June/July).
- 4.4. James to follow up with Andrew McAinish, but will continue recruiting for conferences.

5. Any Other Business

- 5.1. MRC Equipment Bid. **ACTION:** James to send around committee and discuss further with SL/CS.

Appendix. 1 – Cell Dive presentation

Date of next meeting: Tuesday 21st June 2022 (Bi-Monthly), Room K

Hybrid meetings will be held 1st Tuesday of alternate months at 1 pm

Members of the Molecular, Cellular and Tissue Imaging Group Committee are asked to declare any interest that could give rise to conflict in relation to any item on the agenda at the beginning of the item in question. All interests so disclosed will be recorded in the minutes of the Committee. If the chair of the meeting deems it appropriate, the member shall absent themselves from all or part of the Committee's discussion of the matter.