

Biological Imaging facilities

Country	Name and location of the host Imaging facility	Number of offered places for visitors	Type of work shadowing you plan to offer (aspects related to user access, quality management, software tools, image data storage and analysis, core facility management, hands-on training on specific technology, other)	Preferred position of the person participating in the exchange (manager, imaging specialist, other)	For how long would you host the visitor?	Specific expectations about the GBI exchange programme (if any)
Australia	Flinders Microscopy, Flinders University, Adelaide (http://www.flinders.edu.au/research/flinders-laboratories/flinders-microscopy/)	Up to 3	Hands on Training for Specific Technology--could be TERS or high speed AFM	Imaging Specialist	Flexible: if the visit is 2 weeks we can apply for local support	
Australia	Australian Centre for Microscopy and Microanalysis, University of Sydney, Sydney (http://sydney.edu.au/acmm/)	Up to 2	1. Hands on training for specific instruments and technologies including Focused Ion Beam, Atom Probe Tomography, 3View, Super-Resolution (note - would require access to local specimens or standard specimens from suppliers. We are happy to facilitate connection with researchers to get access to local samples). 2. Core facility management (management of distributed microscopy facility - multiple technologies in multiple locations)	Imaging specialists, sample preparation specialists, core facility managers	1 to 2 weeks	Sharing of expertise to add quality to research outcomes, standardization and sharing of practices around the world, professional development for technical experts
Australia	Centre for Microscopy, Characterisation & Analysis, University of Western Australia, Perth (http://www.cmca.uwa.edu.au/)	Up to 3	1.Hands on training 2. Core facility management: 45 platforms across all areas of microscopy, microanalysis and imaging - see web site. Possibilities include: SIMS - we have the world's largest collection of SIMS facilities. Micro-MRI 9.4T wide bore. Micro-CT. Informatics in a core. Super-resolution optical microscopy - new install. Correlative microscopy. Multimodal microscopy and imaging. Core management. Core training, including use of MyScope	Happy to take anyone with strategic fit	Flexible - minimum 1 week.	Demonstrated sharing of expertise.
Australia	Centre for Advanced Microscopy (CAM); The Australian National University (http://microscopy.anu.edu.au/about-us)	1	User access to all instruments at CAM, training courses and one-on-one training on each instrument possible (confocal, TEM, SEM, microprobe, sample prep equipment (including cryo))	Specialist in advanced microscopy techniques	Flexible; at least 2 weeks	Knowledge transfer in both directions would be preferable; possible long-term collaboration
Australia	Microanalysis of materials surfaces, University of South Australia, Adelaide (https://fii.unisa.edu.au/)	Up to 3	User access and hands-on training is possible; alternatively usage via specialist operator	Could be either experienced research leader with expertise in materials microanalysis, or imaging specialist	Flexible; for hands-on training at least 2 weeks is preferable	
Australia	Queensland Brain Institute, The University of Queensland, Brisbane (https://qbi.uq.edu.au/)	Up to 3	1. Hands-on training on SIM, PALM, STORM, uPAINT (universal Point Accumulation for Imaging in Nanoscale Topography), sdTIM (subdiffractional tracking of internalized molecules), two-photon microscopy, confocal (single-photon) microscopy, spinning disk confocal microscopy, automatic slide scanning, stereology, light-sheet microscopy (custom-built instrument --> currently single-photon and static light sheet, soon to be upgraded to scanning two-photon). 2. Training on image analysis (Huygens Pro deconvolution, Imaris, CellProfiler, Fiji, Zen super-resolution modules, NIS Elements). 3. Sharing of core facility management tools and procedures.	Imaging specialists, facility managers	1-2 weeks	Facilitate collaboration, sharing of expertise and best practice in the field

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India	CSIR-Central Drug Research Institute, Lucknow 226031 (http://www.cdri.res.in/)	1	Image data analysis, Crisp image acquisition, data management and multiphoton imaging	Imaging specialists and team of 5 persons	Up to 1-2 months	We would like to have a good shadowing program with different facilities to enhance the skill sets and expertise on animal imaging and other areas.
India	National Centre for Biological Sciences, Bangalore (https://www.ncbs.res.in/)	1	Facility management, Confocal Microscopy, Time resolved Anistropy, FCS.	Imaging facility mangers or facility staff and graduate students	Up to 1 month	
India	Indian Institute for Science Education and Research, Pune (http://www.iiserpune.ac.in/)	1	Confocal Imaging	Imaging facility mangers or facility staff	Up to 1 month	

Medical Imaging facilities

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Australia	UNSW Sydney, Mark Wainwright Analytical Centre, Biological Resources Imaging Laboratory (http://www.analytical.unsw.edu.au/facilities/bril)	Up to 2	Training and research exchange in pre-clinical MRI and potentially other pre-clinical imaging modalities available in BRIL (PET, Photoacoustic Imaging, Optical Imaging), general core facility management, Specific methods in Diffusion MRI, MRI data processing.	Imaging scientist, researcher	Up to 3 weeks	Fostering international collaborations between imaging facilities. Exchange of specific expertise, extension of facility research capabilities
Australia	Centre for Microscopy, Characterisation & Analysis, University of Western Australia, Perth (http://www.cmca.uwa.edu.au/)	Up to 3	1.Hands on training 2. Core facility management: 45 platforms across all areas of microscopy, microanalysis and imaging - see web site. Possibilities include: SIMS - we have the world's largest collection of SIMS facilities. Micro-MRI 9.4T wide bore. Micro-CT. Informatics in a core. Super-resolution optical microscopy - new install. Correlative microscopy. Multimodal microscopy and imaging. Core management. Core training, including use of MyScope	Happy to take anyone with strategic fit	Flexible - minimum 1 week.	Demonstrated sharing of expertise.
Australia	South Australian Health and Medical Research Institute - SAHMRI (Preclinical, Imaging & Research Laboratories - PIRL), Adelaide (http://aiblabs.org.au/sahmri-preclinical-imaging-and-research-laboratories/)	1	Quality management, hands on training on small animal imaging equipment. (PET/SPECT, MRI, optical imaging, MicroCT, postprocessing tools like PMoD also available) Large animal facility training on SIEMENS Skyra, ultrasound, training on other x-ray related imaging equipment might be subject to licensing.	Flexible: post processing specialist, imaging specialist, researcher, manager	Flexible	Future international collaborations. Exchange of expertise for mutual benefit.
Australia	Monash Biomedical Imaging - Monash University, Clayton (https://www.monash.edu/researchinfrastructure/mbi)	1	Quality management systems ISO9001 and general core imaging facility management and operation. We are also adjacent to the Australian Synchrotron, so there is the opportunity to interact with the imaging beamline synchrotron staff as well.	Manager or specialist	2 weeks	To develop collaborations and share expertise
Australia	The Centre for Advanced Imaging, University of Queensland, Brisbane (https://cai.centre.uq.edu.au/)	Up to 3	1. Hands-on training for various preclinical imaging platforms, including MRI, MRI/PET, PET/CT, ultra-high field MR microscopy, optical and mass spec imaging. 2. Training in operational protocols for ultra-high field human MRI, cyclotron and radiochemistry. 3. Training in image data analysis, management and curation. 4. Sharing of core facility management procedures and experience.	Imaging specialists, facility managers	1-2 weeks	Exchange of expertise, protocols, best practise and facilitation of potential research collaboration.