

GBI-SABI 2023 course - Facility management

Jointly organized by Global BioImaging & South Africa BioImaging

29-31 October 2023
Cape Town, South Africa

Venue: Institute of Infectious Disease & Molecular Medicine
Address: Faculty of Health Sciences, Anzio Rd, Observatory, Cape Town, 7925

Sunday, 29th of October

- 11:30 - 12:00 **Registration**
- 12:00 - 12:15 **Welcome by South Africa BioImaging**
Ben Loos (Stellenbosch University, South Africa)
- GBI-SABI 2023 course: program, logistics & activities**
Gleb Grebnev (Global BioImaging, European Molecular Biology Laboratory)
- 12:15 - 13:00 **Overview of setting up and managing an imaging core facility**
Chris Wood (Laboratorio Nacional de Microscopía Avanzada, National Autonomous University of Mexico, Mexico)
- 13:00 - 14:00 **Networking lunch**
- 14:00 - 14:30 **Creating and building the open-access AMI Imaging Centre in Cape Town for imaging science in Africa**
Michael Reiche (African Microscopy Initiative [AMI] Imaging Center, University of Cape Town, South Africa)
- 14:30 - 15:00 **Panel discussion: Aspects in managing an imaging core facility**
*Chris Wood (LNMA, Mexico), Claire Brown (McGill University, Canada), Graham Wright (A*STAR Microscopy Platform, Singapore), Isabelle Bonne (EMU, National University of Singapore, Singapore), Robert Knutsen (University of Cape Town, South Africa)*
- 15:00 - 15:30 **Coffee break**
- 16:00 - 16:30 **Quality control in light microscopy imaging facility: Case of LNMA**
Adan Guerrero (Laboratorio Nacional de Microscopía Avanzada, National Autonomous University of Mexico, Mexico)
- 16:30 - 17:00 **“Learn from each other” session: Integrating core facility into existing framework**
Group discussion; Moderator: Chris Wood (Autonomous University of Mexico, Mexico)

Monday, 30th of October

- 09:00 - 10:00 **Combining and leveraging experience and MBA training for scientific service and core technology platform provision to support academia and industry research**
*Graham Wright (A*STAR Microscopy Platform, Singapore)*
- 10:00 - 10:30 **The EMBL Imaging Centre: technology portfolio, user access & training**
Stephanie Alexander (European Molecular Biology Laboratory)
- 10:30 - 11:00 **Coffee break**
- 11:00 - 12:00 **Impact of imaging facilities**
Claire M. Brown (McGill University, Canada)
- 12:00 - 12:30 **User access & cost model in an imaging facility: Electron Microscopy Core Facility in Singapore**
Isabelle Bonne (EMU, National University of Singapore, Singapore)
- 12:30 - 13:30 **Networking lunch**
- 13:30 - 14:00 **Application of biosafety levels and WHO regulations in an imaging facility**
Caron Jacobs (University of Cape Town, South Africa) and Lize Engelbrecht (Stellenbosch University, South Africa)
- 14:00 - 15:00 **The importance of quality control in imaging facility & metrology suitcase for quality control**
Orestis Faklaris (Centre national de la recherche scientifique CNRS, France)
- 15:00 - 15:30 **Coffee break**
- 15:30 - 16:00 **Quality Control and Data Management efforts of BioImaging North America (BINA)**
Nikki Bialy (Morgridge Institute for Research, United States)
- 16:00 - 17:00 **Imaging facilities tour at the University of Cape Town**
Option #1: Confocal and light microscope imaging facility (UCT)
Hosts: Dirk Lang and Caron Jacobs (University of Cape Town, South Africa)
Option #2: Electron Microscope Unit (UCT)
Hosts: Robert Knutsen and Jeremy Woodward (University of Cape Town, South Africa)

Tuesday, 31st of October

09:00 - 10:00 **Research Data Management, OMERO and Creation of a national resource**

Claire M. Brown (McGill University, Canada)

10:00 - 10:30 **Strategic planning and equipment purchasing: South African perspective**

Lize Engelbrecht (Stellenbosch University, South Africa)

10:30 - 11:00 ***Coffee break***

11:00 - 12:00 **Getting the most out of your microscopes**

Alison North (The Rockefeller University, United States)

12:00 - 13:00 ***Networking lunch***