

Global BioImaging Facility Management course in Brazil



Overview: The [Global BioImaging facility management course](#) is jointly organized by Global BioImaging and CENABIO (Centro Nacional de Biologia Estrutural e Bioimagem), a member of the [Latin America BioImaging](#) network. The course will feature an overarching topic of facility management. Topics covered at the course will include core facility-related aspects to keep in mind when setting up and running an imaging facility, working with companies in the context of imaging core facility operation, user training including pedagogy skills for imaging staff to improve knowledge retention, individual one-on-one user training, and running courses as well as resources for independent learning such as Microtutor, MyScope and Global BioImaging Virtual Training Platform, quality control in core facilities (ISO standards), and short overview of global networks that individually focus on image analysis (GloBIAS) and core facility imaging scientists (Global BioImaging). In addition, the course will provide opportunities for the participants and the faculty to network with each other at the course.

When: 14-16 August 2024

Where: Rio de Janeiro, Brazil

Venue: [National Center for Structural Biology and Bioimaging \(CENABIO\)](#)

Course details & travel advice document: open by clicking [here](#)

Wednesday, 14th of August

- 9:00 - 9:30 **Registration at CENABIO**
- 9:30 - 9:45 **Welcome by the host & Course overview**
Kildare Miranda (Federal University of Rio de Janeiro, Brazil) & Gleb Grebnev (Global BioImaging, European Molecular Biology Laboratory)
- 9:45 - 10:00 **Global BioImaging: open, international network of imaging infrastructures and communities**
Gleb Grebnev (Global BioImaging, European Molecular Biology Laboratory)
- 10:00 - 11:00 **Setting up and managing an imaging facility**
Christopher Wood (Laboratorio Nacional de Microscopía Avanzada, National Autonomous University of Mexico, Mexico)
- 11:00 - 11:30 **Coffee break**
- 11:30 - 12:30 **Icebreaker: 1 slide per participant**
All participants
- 12:30 - 13:30 **Networking lunch**
- 13:30 - 14:30 **A National multi user microscopy and microanalysis core facility - The center of microscopy of UFMG**
Gregory Kitten (Federal University of Minas Gerais, Brazil)
- 14:30 - 15:30 **Working with companies to support imaging core facility operations**
Jennifer Waters (Harvard University, USA)
- 15:30 - 16:00 **Coffee break**
- 16:00 - 17:00 **Tour of the National Center for Structural Biology and Bioimaging (CENABIO)**
A visit to the National Center for Structural Biology and Bioimaging (CENABIO), is a multi-user imaging core facility of the Federal University of Rio de Janeiro.
- 17:15 **Shuttle bus to Windsor Florida Hotel**

Thursday, 15th of August

- 9:00 - 11:00 **Improving microscopy trainings with pedagogy: a practical workshop**
Sylvie Le Guyader (Karolinska Institute, Sweden) & Rhonda Powell (Clemson University, USA)
- 11:00 - 11:30 **Coffee break**
- 11:30 - 12:15 **Training users & imaging scientists in Latin America**
Marcela Diaz (Institut Pasteur de Montevideo, Uruguay)
- 12:15 - 13:00 **Microscopy education & user training in Core for Imaging Technology & Education (CITE)**
Jennifer Waters (Harvard University, USA)
- 13:00 - 13:30 **Building a microscopy workshop program**
Anna Jost (Harvard University, USA)¹
- 13:30 - 14:30 **Networking lunch**
- 14:30 - 15:00 **Microtutor interactive virtual light microscopy education resource**
Jennifer Waters (Harvard University, USA)
- 15:00 - 15:45 **Balancing user training, throughput, and innovation in a multi-user biosafety S2 environment: the CSSB cryoEM technology platform**
Carolin Seuring (Centre for Structural Systems Biology, Germany)
- 15:45 - 16:15 **Coffee break**
- 16:15 - 17:00 **Providing access to imaging technologies as part of Sanitas microscopy training center in Colombia**
Adriana Montes Rodriguez (SANITAS, Colombia)
- 17:00 - 18:45 **Happy hour at CENABIO**
Everyone is welcome to attend
- 19:00 **Shuttle bus to Windsor Florida Hotel**

¹ Remote presentation

Friday, 16th of August

- 9:00 - 9:30 **Global BioImage Analysts' Society (GloBIAS)**
Christa Walther (GloBIAS)²
- 9:30 - 10:00 **Challenges & strategies for running a facility in Argentina**
Andres Hugo Rossi (Leloir Institute Foundation, Argentina)
- 10:00 - 10:30 **Coffee break**
- 10:30 - 11:30 **Quality control in light microscopy imaging facility: ISO standards**
Adan Guerrero (Laboratorio Nacional de Microscopía Avanzada, National Autonomous University of Mexico, Mexico)
- 11:30 - 12:30 **Maximizing efficiency and benefits of a shared resource imaging core with a 24/7 operator-free model**
Santosh Podder (IISER Pune, India)
- 12:30 - 13:30 **Networking lunch**
- 13:30 - 14:00 **Establishing cryo-EM unit in CENABIO**
Moara Lemos (Institut Pasteur Paris, France)
- 14:00 - 14:30 **MyScope: an online training tool for microscopy and microanalysis**
Jenny Whiting (Microscopy Australia)³
- 14:30 - 15:30 **Coffee break**
- 15:30 - 16:00 **Global BioImaging opportunities available for the imaging scientists: Imaging4All project & international job shadowing program**
Gleb Grebnev (Global BioImaging, European Molecular Biology Laboratory)
- 19:30 **Dinner (sponsored by Global BioImaging)**
Everyone is welcome to attend

² Remote presentation

³ Pre-recorded presentation