



Facility management course
By Global BioImaging & LNMA (Mexico)

21-24 February 2023
Cuernavaca, Mexico

Day 1: Tuesday, 21st of February

Themes: Measuring impact and ISO standards. Time: local time in Mexico.

9:00 - 9:30	Registration
9:30 - 9:45	Global BioImaging: open, international network of imaging infrastructures and communities <i>Gleb Grebnev (European Molecular Biology Laboratory, Germany)</i>
9:45 - 10:00	Course overview <i>Adan Guerrero (Laboratorio Nacional de Microscopía Avanzada, National Autonomous University of Mexico, Mexico)</i>
10:00 - 12:45	Workshop #1: Measuring impact of imaging facilities (incl. 30-min working in groups) <i>Claire M. Brown (McGill University, Canada)</i> <i>Laurence Lejeune (Canadian Network of Scientific Platforms, Canada)</i>
13:00 - 14:00	Networking lunch
14:00 - 15:00	Seminar: The benefits of implementing ISO quality standards in research laboratories <i>Flor Monica Gutierrez (The Research Quality Management Coordination [CGCI], National Autonomous University of Mexico, Mexico)</i>
15:00 - 15:30	Coffee break
15:30 - 17:00	Facility visit: Laboratorio Nacional de Microscopía Avanzada <i>All participants (several groups)</i>

* Remote speaker

** Pre-recorded presentation



Day 2: Wednesday, 22nd of February

Themes: Measuring impact and setting up and managing an imaging facility. Time: local time in Mexico.

9:30 - 12:00	Workshop #2: Measuring impact of imaging facilities (incl. 30-min working in groups) <i>Claire M. Brown (McGill University, Canada)</i> <i>Laurence Lejeune (Canadian Network of Scientific Platforms, Canada)</i>
12:00 - 12:30	All you need to know (or almost all) to start a cryo-EM lab <i>Natalia de Val (Thermo Fisher Scientific)</i>
12:30 - 13:00	Seminar: Developing Mexican BioImaging network <i>Diego Delgado (Ensenada Center for Scientific Research and Higher Education, Mexico)</i>
13:00 - 14:00	Networking lunch
14:00 - 15:00	Seminar: Building a sustainable portfolio of core facilities <i>Philip Hockberger (Northwestern University, USA)</i>
15:00 - 15:30	Coffee break
15:30 - 17:00	Seminars: Setting up and managing an imaging facility (continued) <i>Christina Baer (UMass Chan Medical School, USA) *</i> <i>Pablo Loza (The Institute of Photonic Sciences, Spain)</i> <i>Diego Delgado & Rosa Mouríño Pérez (Ensenada Center for Scientific Research and Higher Education, Mexico)</i>
18:00 - 20:00	Dinner (at own cost)

* Remote speaker

** Pre-recorded presentation



Day 3: Thursday, 23rd of February

Themes: User training and career development. Time: local time in Mexico.

09:30 - 10:00	Seminar: Success story of MSc in Biomedical Imaging in Finland <i>Diana Toivola (Abo Akademi University, Finland) *</i>
10:00 - 10:15	Training opportunities for imaging scientists <i>Gleb Grebnev (Global BioImaging)</i>
10:15 - 11:30	Seminars: Training resources in microscopy Microlist: a user-editable, searchable database for light and electron microscopy resources <i>Jennifer Waters (Harvard Medical School, USA) *</i> MicroscopyDB: a centralized database for disseminating microscopy resources and events <i>Nikki Bialy (BioImaging North America)</i> MyScope e-learning environment <i>Jennifer Whiting (Microscopy Australia) **</i> Virtual Training Platform by Global BioImaging <i>Gleb Grebnev (European Molecular Biology Laboratory, Germany)</i>
11:30 - 12:30	User training at SCOPE (Sanderson Center for Optical Experimentation) <i>Christina Baer (UMass Chan Medical School, USA) *</i>
12:30 - 13:00	Exchange of experience: User training in imaging facilities <i>Adam Parslow (Baker Heart and Diabetes Institute, Australia)</i> <i>Keshmarathy Sacadevan (Singapore Health Services Pte Ltd, Singapore)</i> <i>Marcela Diaz (Institut Pasteur of Montevideo, Uruguay)</i>
13:00 - 14:00	Networking lunch
14:00 - 14:45	Group discussion: User training - increase training efficiency, information retention, reducing staff time <i>Course participants</i>
14:30 - 15:30	Seminar: Career development in core facilities <i>Philip Hockberger (Northwestern University, USA)</i>
15:30 - 16:00	Coffee break

* Remote speaker

** Pre-recorded presentation



16:00 - 17:00 **Seminar: An introduction to Electron Microscopy, a powerful technique for characterizing proteins and pathogens**

Natalia de Val (Thermo Fisher Scientific)

17:00 - 18:00 **Folkloric Dance**

Performance will take place at the IBT institute

* Remote speaker

** Pre-recorded presentation



Day 4: Friday, 24th of February

Themes: FAIR principles, image data management and image data reuse through the use of image repositories. Time: local time in Mexico.

09:30 - 10:00	Seminar: Principles of FAIR data <i>Jean-Marie Burel (Open Microscopy Environment, UK) *</i>
10:00 - 10:30	Seminar: Reuse of image data in IDR repository: Case studies <i>Jean-Marie Burel (Open Microscopy Environment, UK) *</i>
10:30 - 11:00	Seminar: BioImage Archive repository <i>Matthew Hartley (EMBL-EBI, UK) *</i>
11:00 - 11:30	Seminar: Setting up and managing an imaging facility <i>Chris Wood (Laboratorio Nacional de Microscopía Avanzada, National Autonomous University of Mexico, Mexico) *</i>
11:30 - 12:30	Seminar: Research data management: OMERO, cloud-based resources and tools for data management <i>Claire M. Brown (McGill University, Canada)</i>
12:30 - 13:30	Exchange of experience: Data management and/or reuse in imaging facilities <i>Louise Cole (University of Technology Sydney, Australia)</i> <i>Abbirami Sathappan (Sidra medicine, Qatar)</i> <i>Vadim Perez (Mexican Social Security Institute, Mexico)</i> <i>Dayenari Caballero (Smithsonian Tropical Research Institute, Panama)</i>
13:30 - 14:30	Networking lunch
14:30 - 14:45	Talk: Image data management in microscopy research group <i>Pablo Loza (The Institute of Photonic Sciences, Spain)</i>
14:45 - 15:00	Group photo
15:00 - 16:30	Facility visit: Venom animal house <i>All participants (several groups)</i>

* Remote speaker

** Pre-recorded presentation