

# Building a Sustainable Future for Bioimaging in Latin America

**Aug 18th**

## Welcome to Event Organisers and Institutions

The event will commence with a warm welcome from the organizers and institutions involved. The progress, growth and activities of the network over the past years will be presented.

*Lía Pietrasanta* - LABI Chair / Unidad de Microscopía Avanzada, UBA, Argentina

*Andrés Olivera* - LABI Network Manager

*Kildare Miranda* - LABI Co-Chair & Local Organizer / CENABIO, UFRJ, Brazil

## Round Table (National Authorities)

### National authorities linked to academic and technological development

This round table discussion will feature prominent national authorities linked to academic and technological development, who will share their vision on the importance of such events at the local level, future perspectives, and opportunities for collaboration.

**Time:** 60 minutes (15 minutes per speaker, followed by 15 minutes for Q&A)

**Moderator:** *Kildare Miranda* - CENABIO, Universidade Federal do Rio do Janeiro, Brazil

TBD - Representative from Financiadora de Estudos e Projetos ([FINEP](#))

*Jerson Lima* - Chair, [FAPERJ](#)

TBD - Representative from Academia Brasileira de Ciências ([ABC](#))

*Adalberto Vieyra* - Director [CENABIO](#)

## Q&A and discussion

### Plenary Lecture

TBD

## LABI Welcome Opening Cocktail

**Aug 19th**

## Registration & Meeting Instructions

Setting the tone for the LABI Meeting 2024 and expressing gratitude for the participants' presence and support. Program overview and logistic orientations for the following days will be presented

## Coffee Break

### Moderated Session 1

#### Exploring Open Science in Bioimaging

A session to explore different types and levels of Open Infrastructure that can provide inputs to the discussion of how to build a sustainable ecosystem to advance science discoveries inside Latin America.

**Time:** 60 minutes (15 minutes per speaker, followed by 15 minutes for Q&A)

**Moderator:**

Speaker(s):

**Open Hardware:** *Tobias Wenzel* - Libre Hub, Chile

**Open facility:** *Rodrigo Portugal* - LNNano, CNPEM, Brasil

**Open software:** *Stephan Preibisch*, Open Science Software Initiative, USA \*Virtual

## Q&A and discussion

### Plenary Lecture in Open Infrastructure

A renowned expert will deliver a plenary lecture on the importance of Open Infrastructure for the Bioimaging community, highlighting its relevance and impact on scientific advancement.

**Time:** 45 minutes (30 minutes presentation, followed by 15 minutes for Q&A)

**Moderator:** *Christopher Wood* - Laboratorio Nacional de Microscopía, UNAM, México

Speaker:

TBD

## Q&A and discussion

**Company Tech Bite (5 min)**

## Lunch

### Moderated Session 2

#### Core Facility and Industry Cooperation

This session will feature representatives from core facilities and industry, discussing collaboration opportunities and strategies to strengthen ties between academia and industry.

**Time:** 60 minutes (15 minutes per speaker, followed by 15 minutes for Q&A)

**Moderator:**

**Core Facility Representative:** *Greggory Kitten*, UFMG, Brasil

**Industry Representative:** TBD

**Industry Representative:** TBD

## Q&A and discussion

### Moderated Session 3

#### LABI-funded Imaging Scientists and Program Evaluation

This session will involve a comprehensive analysis of the programs supported by LABI, incorporating feedback from participants. Two keynote speakers will provide insights, followed by presentations from two funded imaging scientists.

**Time:** 75 minutes (15 minutes speaker, 5-7 minutes per funded imaging scientist, followed by 20 minutes for Q&A)

**Moderator:** *Iván Rey* - MicroCore, Universidad de los Andes, Colombia

Speaker(s):

Speaker 1 *Andrés Olivera*, LABI Training & Career Development Programs analysis and perspectives

Funded Imaging Scientist 1: *Virginia Albarracin* (Argentina - Chile)

Funded Imaging Scientist 2: *Luciana Silva* (Brazil - Argentina)

Funded Imaging Scientist 3: *Celina Terán* (México-Uruguay)

Funded Imaging Scientist 4: *Isaura Suarez* (Colombia - Chile)

## Q&A and discussion

**Company Tech Bite (5 min)**

## Coffee Break

### Networking session (Only in person) LABI Working Groups & Emerging Topics

Participants will have the opportunity to engage in LABI Working Groups dedicated to specific topics within the bioimaging field. These working groups will facilitate focused discussions, networking, and collaborations among participants, fostering an environment of knowledge sharing and advancement in the field. Each working group will deliver a concise report summarizing the key discussions, insights, and outcomes from their focused sessions.

WG - Training & Education

WG - Outreach & Integration

WG - Industry Partners

## Poster session

**Aug 20th**

### Networking session

#### Exploring Governance and Sustainability

Participants will engage in discussions on governance and sustainability, exploring strategies for ensuring the long-term viability of bioimaging initiatives in Latin America

**Time:** 80 minutes (X minutes small group session, followed by X minutes for report)

**Session moderated joint with MetaDocencia**

## Coffee Break

### Moderated Session 4

#### Data Management for Scientific Advancement

This session will focus on the importance of effective data management in driving scientific progress. Global initiatives will be showcased, highlighting best practices and challenges in data management within the bioimaging field. Regional and local initiatives with potential to be impactful to the Latin American Bioimaging community.

**Time:** 60 minutes (15 minutes per speaker, followed by 15 minutes for Q&A)

**Moderator:** *Name - Institution, Country*

Speaker(s):

Global initiative: TBD

Regional Initiative: TBD

National Initiative: TBD

## Q&A and discussion

### Plenary Lecture in Advancing Biomedical Imaging for Clinical Applications

A distinguished expert will deliver a plenary lecture on the role of biomedical imaging in translational medicine, emphasising its impact on clinical applications and healthcare.

**Time:** 45 minutes (30 minutes presentation, followed by 15 minutes for Q&A)

**Moderator:** *Kildare Miranda* - Institution, Country

**Fernanda Tovar Moll**

Her team investigates clinical and translational research on the functional and structural circuits of the normal and pathological brain, in developmental, neurological, and neurodegenerative disorders. Using advanced in vivo imaging techniques to map biomarkers of brain connectivity and plasticity and, counting on a multidisciplinary team, we aim to establish the relationship among these biomarkers and clinical, biochemical, and microstructural factors. Currently, she serve as the CEO of IDOR, the institute responsible for research, education, and innovation activities at Rede D'OR Hospitals Network.

## Q&A and discussion

**Company Tech Bite (5 min)**

## Lunch

### Round Table & Networking

#### Strategic roadmap to drive access to bioimaging technology in the global south

This session will emphasize the importance of networks in enhancing scientific development, fostering community engagement, and promoting innovation from a global south perspective. Representatives from various networks, including LABI, will discuss collaborative opportunities and initiatives to accelerate the dissemination, validation and implementation of new technologies to drive science forward.

Small Groups session:

Regional Cooperation: between LABI and CEBEM

Cooperation across the americas: LABI and BINA

Bi-regional Cooperation: South-South (Latin America - Africa)

## Announcements/Ceremony

## Coffee Break

### Round Table (LABI Stakeholders)

#### Shaping the Future of Bioimaging in Latin America

**Where are we going in the next 10 years?**

A panel of experts from diverse backgrounds will discuss the future of bioimaging, addressing key challenges, opportunities, and strategies for advancement.

Speaker(s):

**Founders:** Chan Zuckerberg Representative

**Industry:** ZEISS Representative / Thermo Fisher Representative

**Academia:** Fernando Stefani

**Networks:** Leonel Malacrida

## Q&A and discussion

### Meeting Closure