

# Building a Sustainable Future for Biomedicine 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

## Opening Ceremony

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 ( <a href="#">FINEP</a> )
<i>Jerson Lima</i> - Chair, <a href="#">FAPERJ</a>
TBD - Representative from Academia Brasileira de Ciências ( <a href="#">ABC</a> )
<i>Adalberto Vieyra</i> - Director <a href="#">CENABIO</a>

*Giovanna Machado* - Presidente, [SBMM](#)

## 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 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: Rocco D'Antuono, GloBias

Regional Initiative: Nikki Bially, Bioimaging North America

National Initiative: Steffen Hartel, REDECA, Chile

## 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

Speaker:

**Fernanda Tovar Moll**, CEO, D'Or Institute

His 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, they 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

## 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:** Gregory Kitten, UFMG, Brasil

**Industry Representative:**

**Core Facility - Industry Perspective:** Jens Rierdorf, Fiocruz, Brasil

## 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. One speaker will provide insights, followed by presentations from 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 (Andrés Rossi & Marcela Díaz)

WG - Outreach & Integration (Mariana De Niz & Hernan Grecco)

WG - Industry Partners (Gregory Kitten & TBD)

WG - Bioimage Analysis (Adán Guerrero & TBD)

## Poster session [with drinks](#)

**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 by MetaDocencia

## 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

## Lunch

## 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:**

Speaker:

*Maria Augusta Arruda*, Brazilian Biosciences National Laboratory, CNPEM, Brasil

## Q&A and discussion

**Company Tech Bite (5 min)**

## 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.

**Time:** X minutes (X minutes presentation, followed by X minutes for Q&A)

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

Small Groups session:

Cooperation across the americas: LABI and BINA

*Moderator LABI:* Christopher Wood

*Moderator BINA:* Nikki Bially

South-South Cooperation (Latin America - Africa)

*Moderator LABI:* Leonel Malacrida

*Moderator ABIC:* TBD

Regional Cooperation: LABI and CEBEM

*Moderator LABI:* Lía Pietrasanta

*Moderator CEBEM:* Karina Alleva

## Announcements/Ceremony

## Coffee Break

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

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

A panel of experts from diverse backgrounds will discuss the future of bioimaging, addressing key challenges, opportunities, and strategies to address as a community

**Time:** X minutes (X minutes presentation, followed by X minutes for Q&A)

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

Speaker(s):

Founder representative

Industry representative

Academia representative

Networks representative

## Q&A and discussion

## Meeting Closure