

[View this email in your browser](#)



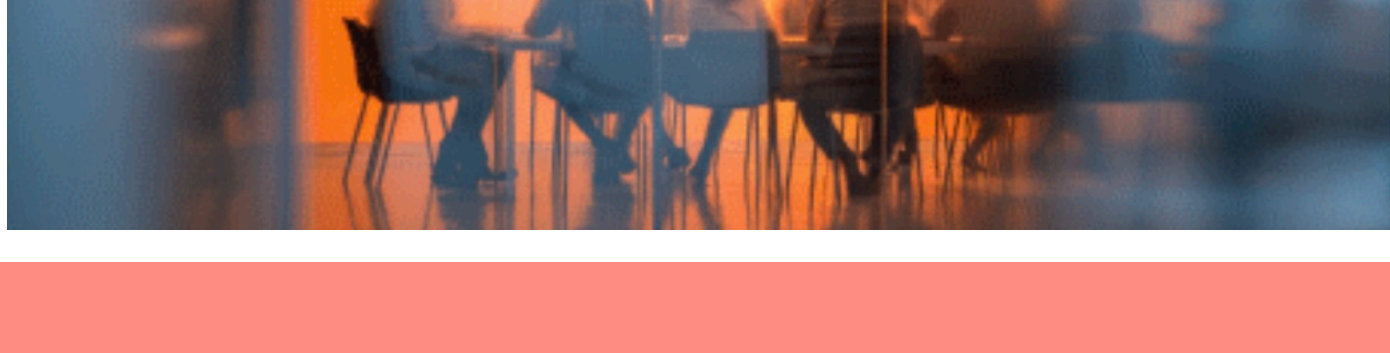
Introducing the October 2026 edition of the ICM.Quant Connect newsletter! 📧
We are here to keep you informed with the latest updates on the ICM.Quant platform, your trusted ally for all things related to electron microscopy, photonics & Image Analysis projects.

Congratulations, Sara!

After joining ICM.Quant on April 7th for her Master's internship, **Sara has successfully completed her project on Advanced Computational Frameworks for Myelin Ultrastructure**.

During her internship, Sara developed a dedicated image analysis pipeline and evaluated several deep-learning segmentation models for the analysis of myelin in TEM images. Her work has laid important foundations for the future development of an automated and robust myelin segmentation workflow.

We warmly thank Sara for her contribution to the platform and wish her every success in the next steps of her scientific career! 🎉👩🔬



ICM.Quant User Committee Meeting

Our annual ICM.Quant User Committee Meeting will be held on **November 18, 2026 from 2:00PM to 4:00PM in Room 1-2**. All users are welcome to participate.

This is a great opportunity to share your feedback, tell us what works well, and suggest improvements for the platform. Your input helps us continuously improve our services and better meet the needs of our community.

We hope to see many of you there!

Upcoming QuPath

Training Course

Registration opening soon!

ICM.Quant and Histomics will organize a **one-day QuPath training course** on 12 November at the Chevaleret site.

- Participants must bring their own laptop.
- Places will be limited, and registration requires a commitment to attend the entire training day.

A dedicated registration announcement with practical details will be sent to platform users shortly.

We look forward to helping you discover and develop your QuPath image analysis skills! 🇫🇷🇮🇹



ICM.Quant Co-Organizes SIPAIM 2026

The Paris Brain Institute (ICM) and ICM.Quant are partners and co-organizers of the **22nd International Symposium on Medical Information Processing and Analysis (SIPAIM 2026)**, taking place in Lima, Peru, in November 2026.

As part of this collaboration, ICM.Quant is also co-organizing the **TEM Image Analysis Challenge 2026**, focused on AI-based myelin segmentation and automated g-ratio quantification from TEM images.

The challenge datasets will be available from October 15, 2026, and participation details will be published on the official SIPAIM website.



Publication Highlight

The ICM.Quant platform is proud to be represented among the co-authors of the *Nature Neuroscience* article **"Cerebral venous blood flow regulates intracerebral pressure and brain clearance via meningeal lymphatic vessels"** through Dominique Langui and David Akbar, for their contributions in electron microscopy and photonics imaging, respectively.

Congratulation to M.R. El Kamouh, the first author, as well as all co-authors, on this outstanding publication. 🎉

[Link to article](#)

New Equipment in the Electron Microscopy Facility

To enhance our sample observation and preparation capabilities, the Electron Microscopy Facility has recently acquired two new complementary instruments.



A Semi-Thin Section Imaging Station

The EM preparation room is now equipped with a Nikon Eclipse Ei optical microscope coupled with a Nikon camera for digital image acquisition.

This system enables the observation and documentation of toluidine blue-stained semi-thin sections, an essential step prior to Transmission Electron Microscopy (TEM) analysis.

Key Features:

- 4x, 20x, 40x, and 60x objectives
- Color camera
- Rapid identification of regions of interest before TEM observation
- Easy archiving and sharing of imaging data



A Nikon stereomicroscope dedicated to sample preparation and handling procedures.

Main Characteristics:

- Zoom up to 7.5x
- 115 mm working distance
- Enhanced user comfort during dissection, trimming, orientation, and sample selection procedures

This instrument provides excellent sample visibility while offering ample workspace for preparation tools and delicate manipulations.

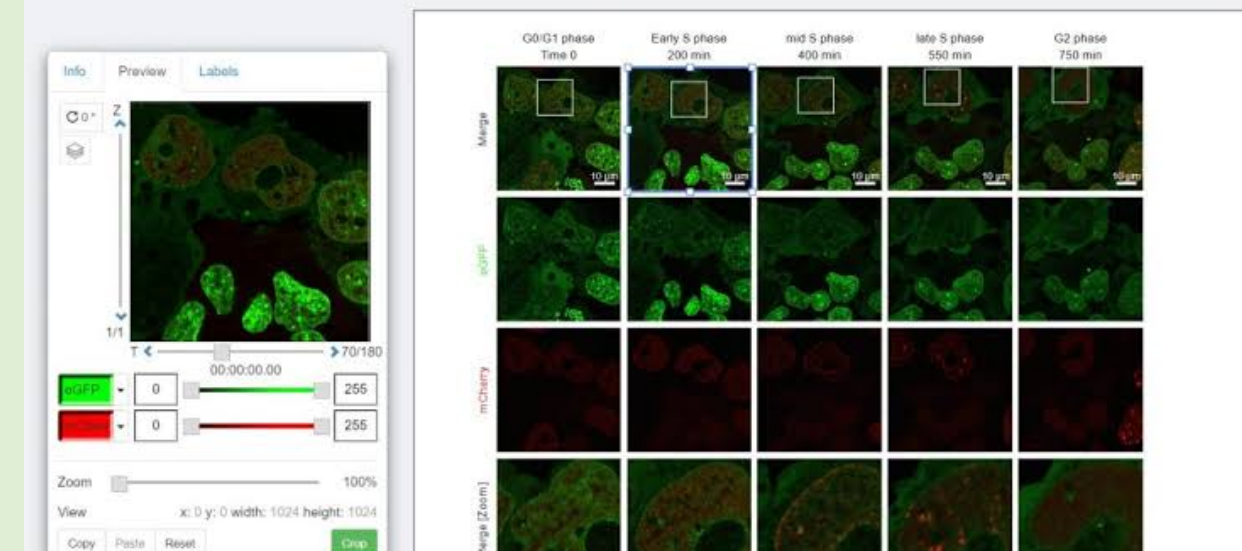
OMERO Plus Image Database

A new OMERO Plus Image database will soon be available for ICM.Quant users!

This platform will allow you to store, visualize, and easily retrieve your microscopy data, while ensuring compliance with FAIR (Findable, Accessible, Interoperable, Reusable) principles and reducing data duplication.

Interested in being a beta tester? Get in touch with us!

This project is supported by ICM management, co-funded by Cancéropôle Île-de-France, and led by the DSI, DAC, and ICM.Quant teams.



Imaris 1 Workstation Back Online

Imaris 1 Analysis Workstation is now available again following the successful repair of the PC after several months of downtime.

✔ Please stop using the temporary Imaris license on the NIS workstation.

- For exceptionally large datasets, Imaris file conversion can be performed on the computing cluster. For standard-sized files, the time savings are generally minimal.
- For conversion requests or questions, contact: quant-analysis@icm-institute.org.

Reporting Issues on Platform Equipment

Have you noticed a bug or malfunction on a platform instrument? Please **report the issue in OpenIRIS**. All incidents are tracked to ensure proper follow-up.

[How to report an issue](#)

Data Alert

No backup on ICM.Quant systems.

Local data (auto-cleaned monthly), files saved on desktops, and data stored on /iss/pf-quant/pf-quant_teams/ may be deleted at any time.

Back up your data immediately to avoid loss.



Tips & Tricks – TEM: Start Low, Then Zoom In

Before moving to high magnification in TEM, take a few minutes to examine your sample at low magnification.

- Identify regions of interest
- Pre-irradiate the region of interest at low magnification, which can make the section more resistant to electron beam damage

A quick overview can save valuable microscope time and significantly improve the quality and interpretation of your TEM data.

Remember: finding the right region of interest is often more important than increasing magnification.



TEDImaBio 2026 was a great success!

On September 10, 2026, the 5th edition of TEDImaBio, organized by the Industrial Partners Clubs of GDR Imabio, brought together researchers, engineers, imaging specialists, and industry partners to explore the latest advances in bioimaging technologies.

60 participants joined us on-site at the Institut du Cerveau, and the event continues to reach the community with 1,545 cumulative views on the GDR Imabio and RTmfm YouTube channels.

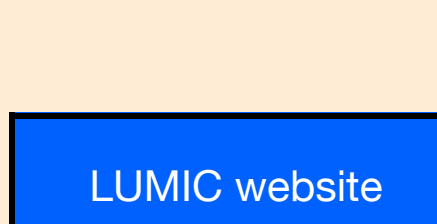
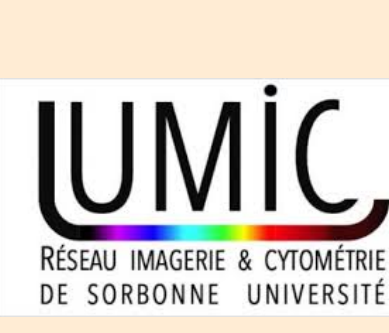
The full event is now available on replay:

- GDR Imabio YouTube Channel: [Watch the replay](#)
- RTmfm YouTube Channel: [Watch the replay](#)

Missed the event? Catch up on all presentations through the replay channels!

LUMIC Network

The ICM.Quant platform is a long-standing member of LUMIC, the Sorbonne University network of microscopy and cytometry platforms. LUMIC organizes training sessions, seminars, and workshops throughout the year and is officially IBISA-labelled.



For publication involving ICM.Quant, please cite: "We acknowledge the Paris Brain Institute Quantitative Cellular and Molecular Imaging Core Facility (RRID:SCR_026393) for access to imaging equipment and technical support." *Co-authorship of platform members who have made a significant scientific contribution to the work is strongly encouraged.*

Thank you all for using the ICM.Quant platform. We strongly believe in the spirit of sharing! 🤝



Copyright (C) 2026 Institut du Cerveau - Paris Brain Institute / ICM.Quant. All rights reserved.

Our mailing address is:

Want to change how you receive these emails?
You can [update your preferences](#) or [unsubscribe](#)

