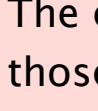


[View this email in your browser](#)



Introducing the July 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.



Summer at ICM.Quant

The entire ICM.Quant team wishes you a **wonderful summer and great holidays** to those lucky enough to be heading off! ☀️🌴

Don't worry: the platform will remain open throughout the summer, and there will always be someone on hand to help. That said, our team will be running at a **reduced capacity**, so some requests—particularly training sessions—may take a little longer than usual.

A few summer reminders:

- 🔧 If you encounter an **issue**, please report it via OpenIRIS.
- 🗓️ If you can no longer attend a booked session, please **cancel your reservation** in OpenIRIS so others can benefit.
- 🧑‍🔬 Our microscopes don't get summer vacations, so please **take extra care** of them during the holiday season!

Thank you for your understanding, your cooperation, and your help in keeping the platform running smoothly all summer long. Enjoy the sunshine! 🌞🍹



New Macroscope Now Available

We are pleased to announce the replacement of the former macroscope with a new Nikon SMZ25, selected based on user feedback following the recent demos.

This **motorized stereomicroscope** is equipped with both a **color camera** and a high-sensitivity **fluorescence camera**, and will be operated via NIS Elements.

📌 As with all our equipment, training is required — please submit your request via OpenIRIS.

Electron Microscopy Service – Reduced Staffing

The Electron Microscopy Service will operate with reduced staffing until the end of the year. As Karim will be the sole staff member supporting user projects and platform operations, **longer turnaround times may occur**. We encourage users to plan their requests as early as possible.

To help maintain service capacity, users are encouraged to consider training in sample embedding, ultramicrotomy, and microscope operation whenever appropriate for their projects.

📧 Contact: quant-electron@icm-institute.org



International Collaboration at ICM.Quant

ICM.Quant will welcome **Diego Jimenez**, a Peruvian student, for two weeks this July as part of the Global Bioimaging program.

This visit will foster **international exchange and expertise sharing in image analysis**, strengthening our global collaborations and benefiting our user community.

ICM × ZEISS: A New Partnership Launched

On June 4, 2026, ICM and ZEISS officially launched their partnership through the first **labs@location** in France.

The event featured the high-level symposium **"Imaging the Brain: New Probes and Approaches"**, along with hands-on workshops showcasing the latest advances in brain imaging.

A strong start to a collaboration set to drive innovation and enhance imaging capabilities at ICM.



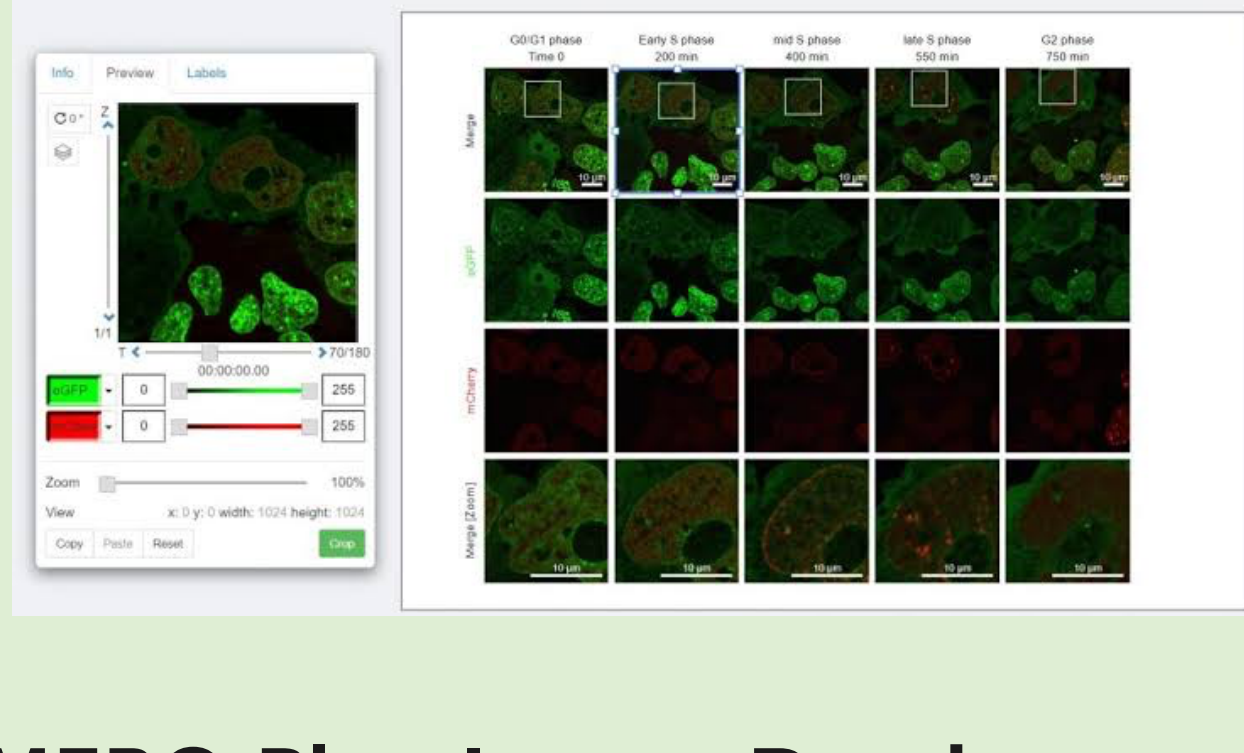
More info

ICM.Quant Expands Its Presence in Latin America

ICM.Quant is strengthening its international collaborations by co-organizing two major initiatives in Latin America. In November 2026, we will participate in the **22nd International Symposium on Medical Information Processing and Analysis (SIPAIM)** in Lima, Peru, a leading conference on medical imaging and AI in healthcare.

Alongside SIPAIM, we are organizing the **TEM Image Analysis Challenge 2026**, focused on deep learning-based myelin segmentation and automated g-ratio computation in transmission electron microscopy images.

This initiative is led by **Gabriel Jimenez** (ICM) and **Sara Rajabzadeh** (ICM) in collaboration with partners from PUCP (Peru) and Sorbonne University (Prof. Raccoeanu), further strengthening ICM.Quant's visibility and scientific partnerships within the Latin American research community.



OMERO Plus Image Database — Coming Soon

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!

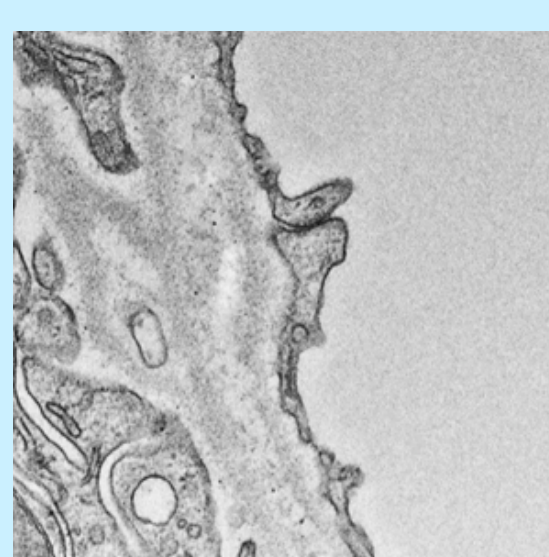
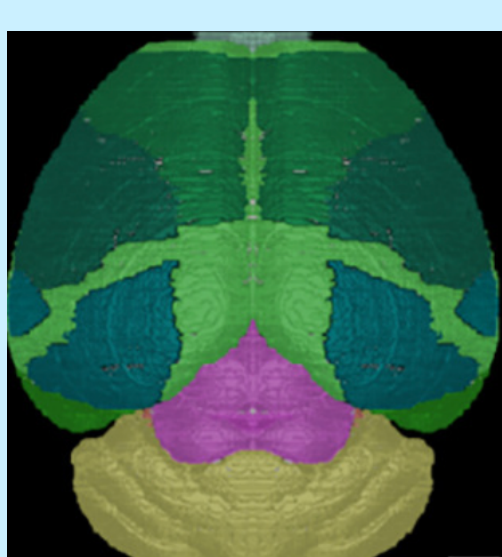
This project is supported by ICM management, co-funded by Canceropôle Île-de-France, and led by the DSI, DAC, and ICM.Quant teams.

Migration to Windows 11 on Acquisition and Image Analysis PCs

As requested by the IT department, **most computers on the platform have been upgraded to Windows 11**. In some cases, particularly on acquisition workstations, this migration has led to **technical issues** (Zeiss

videomicroscopes, CellDiscoverer 7).

We are currently working with the **hardware manufacturers** to resolve these problems as quickly as possible. We apologize for any inconvenience this may cause.



Publications Spotlight

Two recent publications highlight the contribution of **ICM.Quant engineers**:

- **Louise Mathé** – *"The spatiotemporal dynamics of postnatal vascularization in the mouse brain"* (Renier Lab, Cell, 2026) for her work in **quantitative data analysis**.
- **Karim Ourahmoun** – *"Cilia to basement membrane signaling is a biomechanical driver in models of autosomal dominant polycystic kidney disease"* (Bienaimé Lab, Journal of Clinical Investigation, 2026) for his contribution in **electron microscopy**.

🎉 Congratulations to all the researchers and collaborators involved in these outstanding studies.

ICM.Quant Pricing Update

We would like to inform you that the platform's new pricing has been approved by the Institute Executive Committee and will come into effect on **October 1, 2026**.



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](#)



ICM.Quant has successfully passed its midterm audit!

For our users, this milestone ensures continued **high-quality services**, **reliable workflows**, and **robust operational standards across the platform**.

This achievement reflects the strong commitment of the team, with the support of the ROQ unit, management, and all supporting services—working together to deliver the best possible user experience.



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 – Objective Collar Correction

Did you know that adjusting the objective correction collar (if your objective is equipped with one) can significantly improve your image quality?

When imaging through coverslips or thicker samples, a quick adjustment helps compensate for refractive index mismatches and reduces spherical aberrations—resulting in sharper, higher-contrast images.

👉 Tip: Match the collar setting to your coverslip thickness (e.g. 0.17 mm) and fine-tune it while observing image sharpness in real time.



TED-ImaBio 2026 — Innovation in Imaging

Join the 5th TED-ImaBio for a full day of cutting-edge innovation in optical microscopy.

Expect fast-paced talks from 15 microscopy leading companies, interactive Q&A sessions.

📍 Institut du Cerveau, Paris | 📅 September 10, 2026

👉 Attend on-site or follow the event live on YouTube.

👉 Free registration (mandatory for in-person)

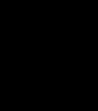
[Program & Free Registration](#)

ICM.Quant and the 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.



[LUMIC website](#)



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! 💛



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