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## Introducing the July 2025 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.

Wishing you all a happy and relaxing summer holiday season!



### Intern on the EM pole!

We were delighted to welcome **Bintou Sylla** to the ICM.Quant platform for a two-month internship as part of her **Master 1 BIP program**. During her time with us, Bintou worked alongside with **Asha** and **Karim** in the **Electron Microscopy pole**, contributing to the testing and optimization of fixation protocols.



### New Nikon Spinning Disk CSU-W1

As part of our ongoing upgrades, the Leica inverted spinning disk microscope has been decommissioned and will be replaced by a **new CSU-W1 spinning disk system (Yokogawa)** mounted on a **Nikon inverted stand**.

This new system offers enhanced **performance**, featuring a **field of view four times larger** than the previous setup. It is also equipped with a **dual-camera configuration for high-speed imaging** and will be operated using NIS software.

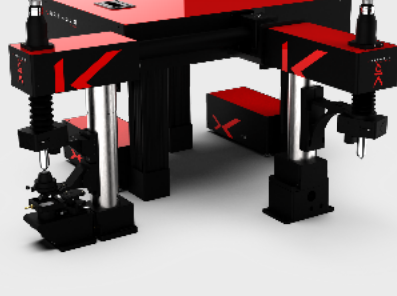
More information will be communicated shortly.



## More New Equipment

### Coming Soon

We are pleased to announce that the platform will soon be equipped with two new state-of-the-art microscopes: a **Nikon AX N-SPARC confocal microscope**, and a **Karhala AODscope HUB multiphoton microscope**. These instruments will be installed on the 5th floor, and we will keep you informed about their availability and launch dates.



### Imaris Batch Now Available on Both Workstations

We're happy to inform you that the **Imaris Batch processing option** is now available on both Imaris workstations of the ICM.Quant platform. We hope this new feature will help **optimize workstation usage** and improve overall workflow efficiency.



### ICM.Quant Achieves ISO 9001 Certification!

We are delighted to announce that the **ICM.Quant platform** has **successfully passed the ISO 9001 certification audit**. This achievement is the result of over a year of dedicated work by the ICM.Quant team in collaboration with the ROQ unit. Official certification by the accrediting body is expected in the coming weeks. This milestone reflects our ongoing commitment to **continuous improvement and high-quality service for all our users**.



### ICM.Quant Now Has an RRID:

**SCR\_026393**

The ICM.Quant platform has been assigned a unique Research Resource Identifier: **RRID:SCR\_026393**. Please include it in your publications when using our equipment or services—ideally in the Materials and Methods section. Including the RRID helps increase the visibility of your research and automatically links your work to the platform. You can also find the RRID in the comments section of each equipment entry in OpenIRIS. Thanks for your support!



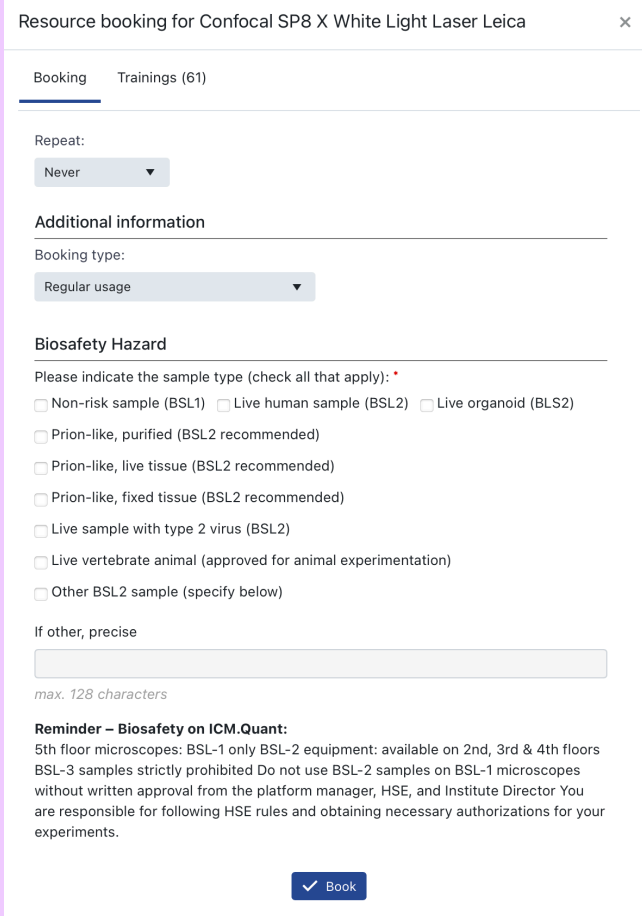
### Lab Coat Required in All Microscopy Rooms



As part of ICM safety procedures, **lab coats are mandatory** in all microscopy rooms on the ICM.Quant platform. Rooms on the **5th floor** are **BSL-1**; others are **BSL-2**. In all cases, a **lab coat must be worn**, regardless of the sample type. So please **bring your lab coat—and wear it with style!** Thank you for your cooperation.

## Risk Sample Mapping on the Platform

The platform is conducting a comprehensive mapping of risk samples used on-site to ensure compliance with HSE safety regulations and to update operating procedures as needed. From now on, when booking a microscope, you are required to **specify the type of sample** being used (via the “thick box” option). This information is essential for us to remain compliant with current regulations. Transparency and safety are everyone's responsibility—thank you for your cooperation in keeping our platform safe.



## Raman Microscopy and Endoscopy

We were pleased to see so many of you attend the **seminar by Hervé Rigneault** (Institut Fresnel) on June 26, 2025, hosted by M-C Potier and the ICM.Quant platform. The seminar, titled **"Multiphoton and Coherent Raman Imaging: From Microscopy to Endoscopy,"** offered valuable insights into cutting-edge imaging technologies. We hope these discussions will pave the way for testing some of the innovative equipment developed by his team.

[Link to Lightcore](#)

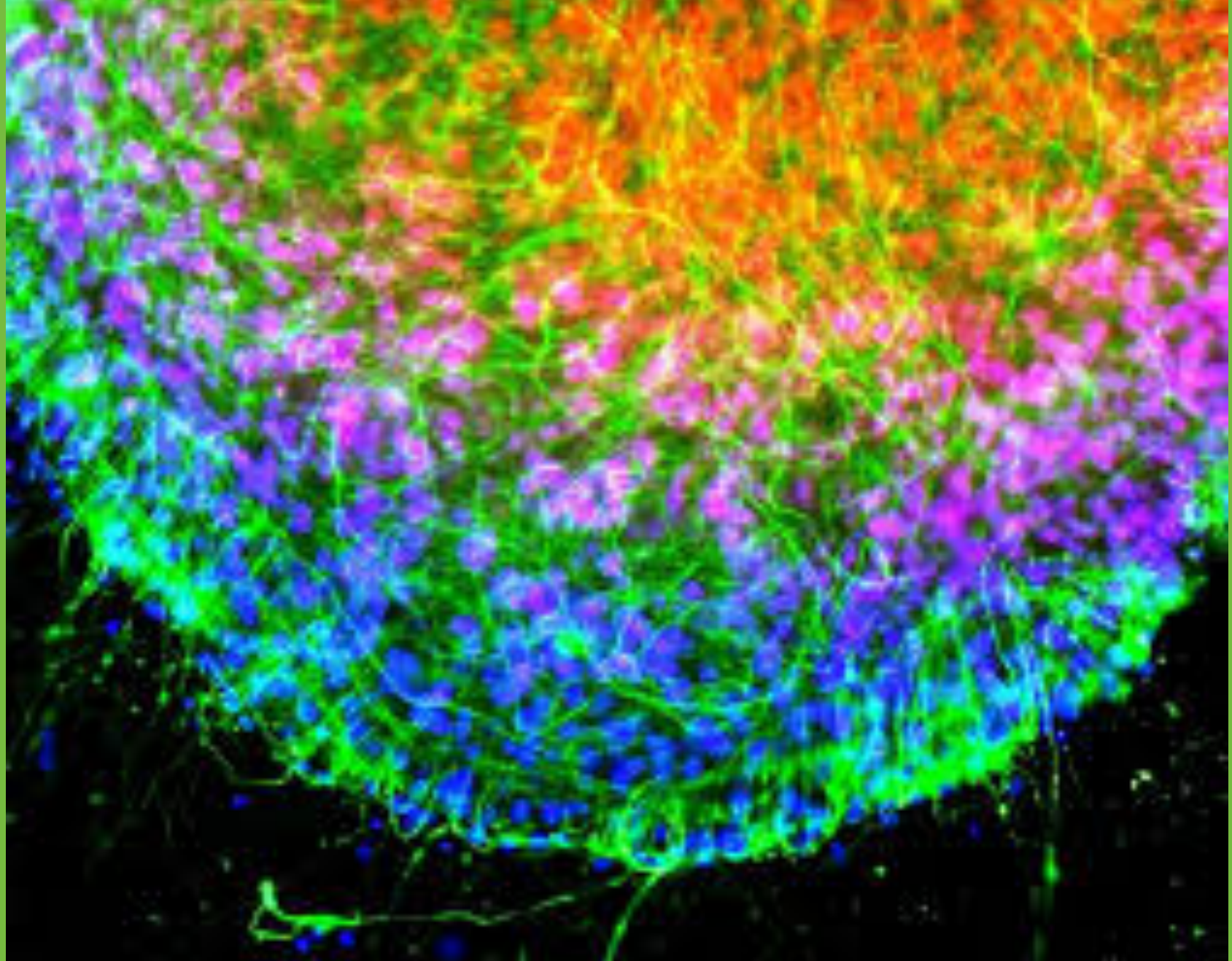


## Expansion Microscopy Resources Now Available

The **Expansion Microscopy Working Group** of the CNRS national microscopy network **RT-MFM** is sharing application-focused seminars (in English) with the community:

- “**Light-sheet fluorescence expansion microscopy (LSFEM) for organoids and 3D cell culture samples**” – **Juan Edo Rodríguez-Gatica**
- “**Visualizing the native cellular organization by coupling cryo-fixation with expansion microscopy**” – **Marine Laporte**

We encourage you to take a look!



[Link to resource](#)



## Tips & Tricks: Enhance Your Workflow in Fiji with Macros

Did you know that **Fiji** allows you to **record and run macros** to automate repetitive image processing tasks?

**How to use it:**

- Go to **Plugins > Macros > Record** before starting your analysis steps.
- Perform your image processing as usual.
- Stop the recorder to save your macro script.
- Run this macro on other images or batches to save time and ensure consistency.

**Why it's useful:**

- Speeds up repetitive workflows
- Ensures consistent application of processing steps
- Easy to customize and share with your team

**Bonus:** You can edit the macro scripts to add loops or conditional statements for more advanced automation!



## The platform doesn't take a summer break!

All summer long, a team member will be around to support you with your projects... and to keep an eye on the microscopes, which sadly aren't heading to the beach either 🏖️.

Need a hand? Puzzled by a 63x objective? Don't hesitate to reach out!

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



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