HANDS-ON WORKSHOP · ONE FULL DAY

Want an AI agent to do your analysis?

One that keeps working after you have gone home, that your collaborators can ask too — and that never moves your data. A day with Mycolab.

DATE	PLACE	HELD BY	PLACES
Wednesday 3 December 2026 09:00 – 17:00 CET	**SciLifeLab, Solna** Gamma 7, lunch room G7631 · Tomtebodavägen 23	**Hanzhao Zhang** Joanna Hård · Nils Mechtel	**25** maximum · free

Morning
presentations

What this is, and what each piece does

Wei Ouyang, Hanzhao Zhang, Joanna Hård and Nils Mechtel. An agent that works where your files already are; sharing data without sending copies; running the analysis where the data is; and letting someone analyse data they are not allowed to see. The whole picture before anyone opens a laptop.

Afternoon
hands-on, all of it

On your own machine, on real files

We set Mycolab up on your own laptop and you work with it — **your own data if you bring some, or one of our example datasets**. Along the way, the three things it makes possible:

- **Share data without sending copies.** Announce a dataset instead of handing it over — the files stay on your own storage, in your own format, under your own licence. The FAIR Microscopy Data Hub.
- **Run the analysis where the data is**, rather than moving the data to the analysis. BioEngine.
- **Let someone analyse data they are not allowed to see.** The request runs where the data already is and only the result comes back. Safe Colab, under active development.

The day closes with a demo.

Throughout
what to bring

A laptop is required, and your own data if you have some

The afternoon is hands-on and Mycolab is installed on your own machine, so a laptop is not optional. If your data sits on a lab server you can reach, bring that connection too; there are example datasets if you have none. Microscopy is where this lab works, so the examples come from there, but nothing here assumes your data is images, and no experience with AI agents is needed.

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Part of the DDLS Research Data Community
Project AI-Powered Live-Cell Imaging
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