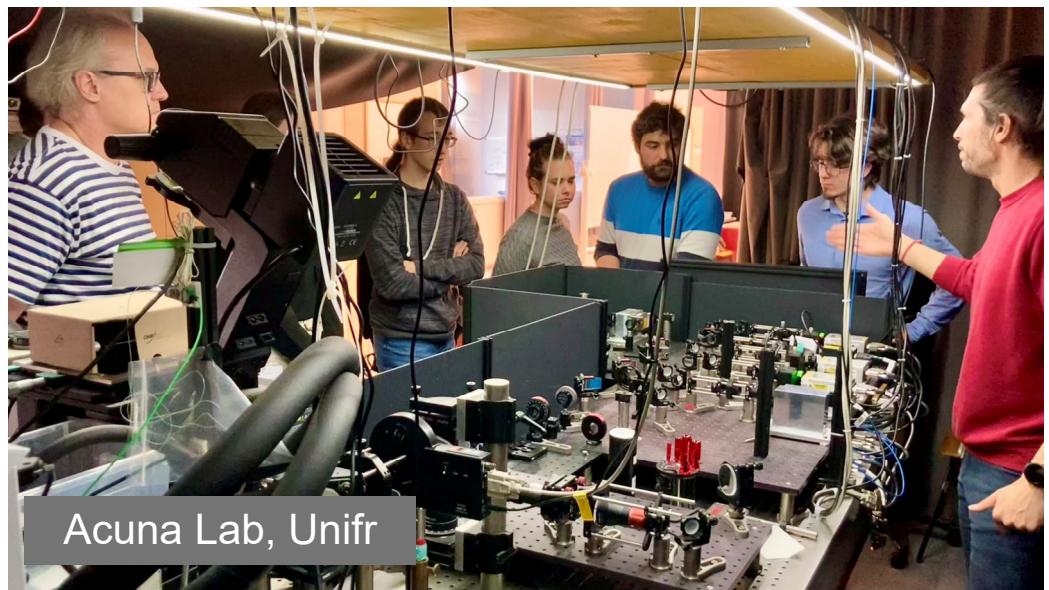


Advanced Imaging SBL.00419: Super-resolution Microscopy

by Fernando Stefani, Buenos Aires, Argentina
featuring Guillermo Acuna and Christian Soeller labs

Thursday March 12th, 2026, 13h15-17h00 in Fribourg
Friday March 13th, 2026, 13h15-17h00 in Bern



- Fundamental principles of super-resolution microscopy
- Single-molecule localization (Demo DNA-PAINT)
- Coordinate targeted super-resolution microscopy (Demo STED)
- Single-molecule localization through sequential structured illumination (Demo MINFLUX)

Examination during semester: Essay questions
1 ECTS

Registration on Illias
Contact: yury.belyaev@unibe.ch, boris.egger@unifr.ch