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Using the eye to study the living immune system in mouse and man

The eye offers a unique, transparent window to observe immune responses in real time. This presentation explores how advanced imaging techniques, such as IBEX multiplexed staining and Adaptive Optics Scanning Laser Ophthalmoscopy, enable direct visualization of immune cell behaviour in the eyes of mice and humans. By combining intravital imaging with high-dimensional tissue analysis, we gain insights into immune surveillance, inflammation, and disease progression *in vivo*. Studying the eye as a model reveals fundamental principles of immune function and opens new avenues for diagnosing and treating immune-mediated diseases.



Thursday
3 July, 2025



U3-BIOS building
room U3-07



4.30 pm
to 5.30 pm

Host:
Francesca Granucci



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