

FAIR CHARM WORKSHOP ON
NONLINEAR MICROSCOPY: INSTRUMENTS AND APPLICATIONS
Wednesday February 4th, 2026 - Section of Physics, University of Geneva
(Location → <https://www.unige.ch/sciences/physique/en/information>)

Two-Photon	Luigi Bonacina	09.00	09.05	Welcome & Intro to the Workshop
	Ronan Cherau	09.05	09.30	<i>Two-photon calcium imaging for studying cortical function in rodents.</i>
	Sara Gallini	09.30	09.55	<i>Uncovering tumor suppression mechanisms through in vivo two-photon imaging</i>
	Dimokratis Karamanlis	09.55	10.20	<i>LightSuite: a high-throughput pipeline for cellular-resolution analysis of large-scale 3D microscopy datasets</i>
		10.20	10.45	Coffee Break
	Quanyu Zhou	10.45	11.00	<i>Needle beam two-photon microscopy for simultaneous multiplane neural and vascular imaging</i>
	Jin Tian	11.00	11.15	<i>Coordinated two-photon fluorescence and optoacoustic microscopy of neural, vascular, and cellular dynamics in the mouse brain</i>
Three-Photon	Chiara Stringari	11.15	11.45	<i>Polarization resolved label-free non-linear microscopy</i>
	Raluca Niesner	11.45	12.15	<i>Optimizing three-photon microscopy and third harmonics generation for dynamic intravital deep marrow imaging of long bones</i>
		12.15	13.30	Lunch Break
	Lukas Kontenis	13.30	13.45	<i>CRONUS 3P for Advanced Nonlinear Microscopy</i>
	Alexandra Latshaw	13.45	14.00	<i>Geneva SWIM: Short Wave Infrared Microscope</i>
	Margaux Bouzin	14.00	14.15	<i>Thermal and Nonlinear Damage in Three-Photon Excitation Microscopy</i>
	Lukas Krainer	14.15	14.30	<i>3 Photon applications at Prospective Instruments</i>
Alt. Approach.		14.30	15.00	Coffee Break
	Miltenyi Biotec	15.00	15.15	TBD
	Bojan Resan	15.15	15.30	<i>High resolution deep OCT imaging with femtosecond blue diode pumped Ti:Sa laser and axicon lens</i>
	Milvia Alata & Jonas Jurkevicius	15.30	16.00	<i>Novel microscopy tools for visualizing enteric nervous system activity:</i> <ul style="list-style-type: none"> ○ Third harmonic generation microscopy for the study of mucus related interfaces in the gastrointestinal tract ○ 4D-SLIDE: Fast Volumetric 2PM for living tissue
		16.00	18.30	Lab Visit Networking & Posters