

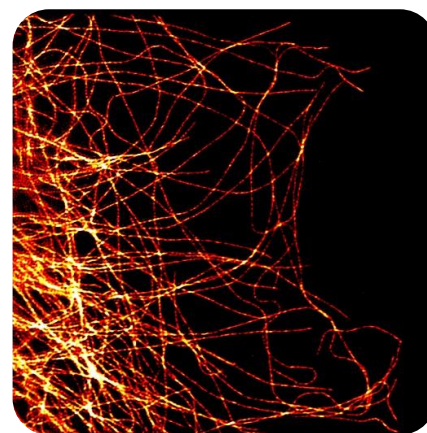
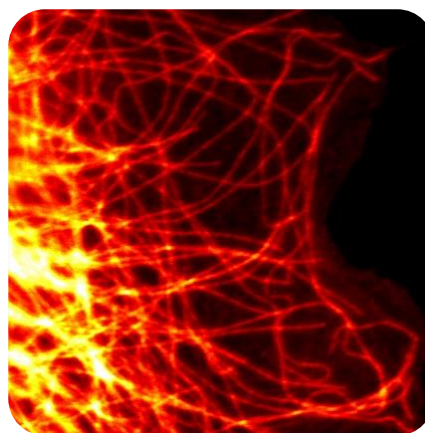
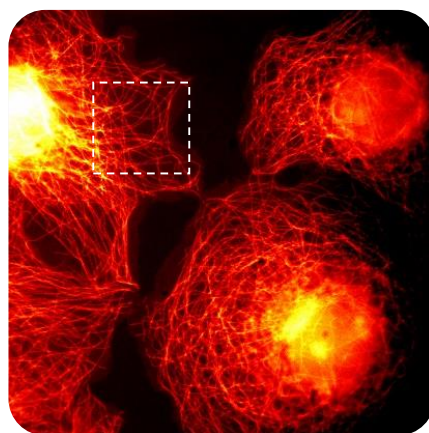
*The Orbeli Physiology Institute invites you to the
2023 Advanced Bioimaging Seminar series*

Applications of conical diffraction to super-resolution microscopy

Thursday, February 23rd 2023, 5pm
Orbeli Physiology Institute Conference room
Yerevan, 22 Orbeli Brothers street

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Conical diffraction is a well-known optical phenomenon that has only recently drawn the attention of the microscopy community for its beam-shaping potential. It occurs when polarized light aligned into a biaxial crystal spreads to form a hollow cone within the crystal and emerges with cylindrical light patterns that can be shaped and scanned with features sharper than the diffraction-limit. Here, we present the conical diffraction phenomenon and some of its most useful properties for microscopy. We then show how it can be deployed and integrated into super-resolution fluorescence microscopy and its applications.

The webinar will be in English, is free and open to the public
Refreshments will be served