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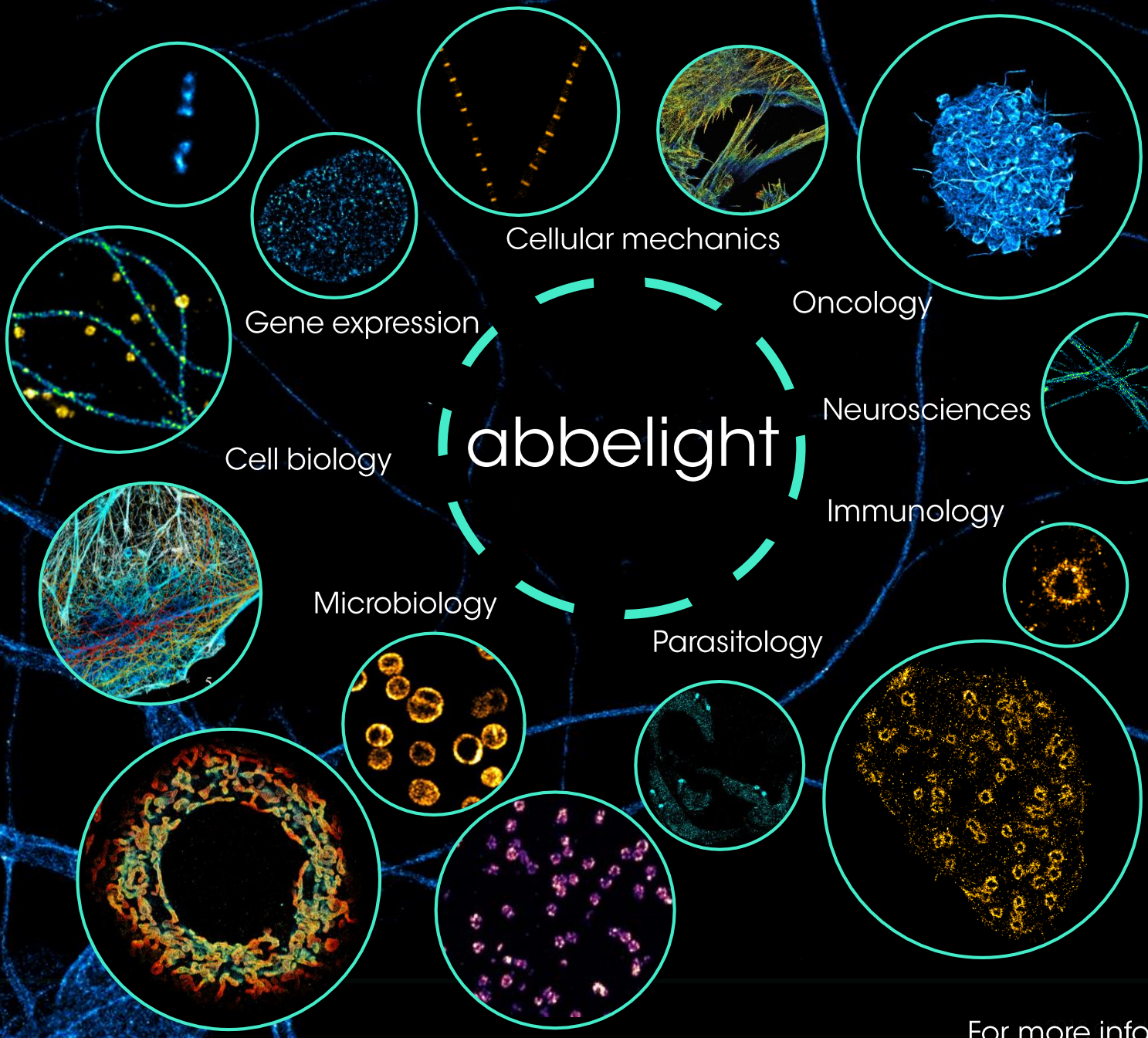
SAFe 180
The Ultimate 2D Nanoscope

Seminar:
18 02 2020
13:45

Demo
19-20 02 2020
10:00-17:00



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The Ultimate 2D Nanoscope

Breaking the resolution limit of conventional microscopy opened the way to investigation of cellular structures at the nanoscale, from individual proteins to entire organelles. Different approaches have been proposed, from structured illumination microscopy (SIM) to stimulated emission depletion (STED) and single molecule localization microscopy approaches (SMLM). SMLMs, such as fluorescence photoactivated localization microscopy ((F)PALM) and direct stochastic optical reconstruction microscopy (dSTORM), can provide lateral localization precision down to 10 nm.

Still nanoscopy is not that accessible as the entire imaging workflow requires multidisciplinary knowhow. Abbelight accompanies researchers from the design of their projects to the final analyzed data. We offer reagents and buffers for sample preparation; robust innovative instruments allowing 2D and 3D multicolor nanoscopy; user-friendly software to produce better reliable data; time, support and expertise throughout all the process.

Thus, nanoscopy can be accessible to all, to gain more details in 3D and extract quantitative information: number, size, distribution, and spatial organization of individual molecules, clusters or organelles.

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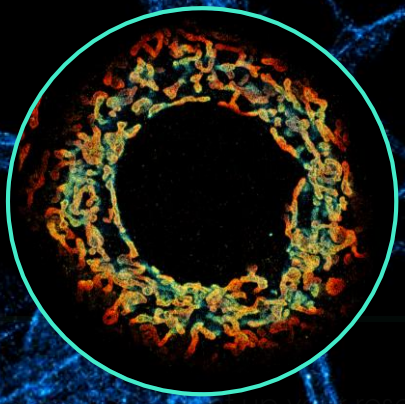
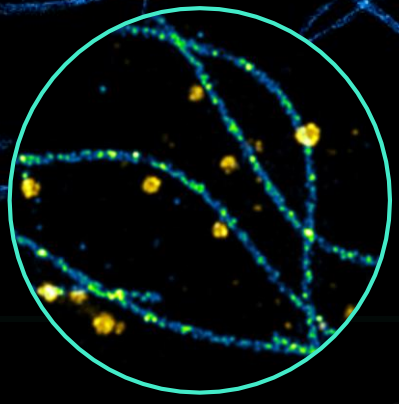
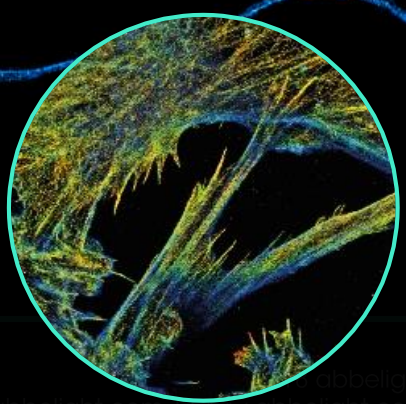

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