Super-resolution imaging system , 12/17

December 2017—Olympus released its IXplore SpinSR10 imaging system, which aims to balance speed, resolution, and efficiency in a single, flexible platform. A high frame rate and 120 nm XY resolution enable researchers to observe the fine details and workings of internal cellular structures while offering the ability to switch between super-resolution, confocal, and wide-field imaging modes.

The SpinSR10 system's super-resolution technology can quickly image as deep as 100 microns into regions that can be hard to access using traditional super-resolution methods. A suite of features helps minimize phototoxicity and photobleaching when capturing 3-D images, prolonging the viability of live cells during time-lapse imaging. Live cell, super-resolution images can be captured using conventional fluorescent dyes.

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