

Commercial presentation

SYNCH AND SPIN: EXTENDING THE BOUNDARIES OF SPEED AND SENSITIVITY WITH THE PERKINELMER ULTRA*VIEW*ERS

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Fluorescent protein technology, coupled with developments of novel fluorescent dyes has revolutionised cellular and developmental biology during the last decade, resulting in routine use of microscopy in studies of protein expression and function. Similarly this period has seen a shift from the study of fixed to live cells, tissues and organisms, which in turn places additional demands on the system used to acquire the data. Dual spinning disk confocal microscopy has arguably been the most successful method of studying living samples, due to its speed, low levels of photodamage and high resolution.

This talk will highlight some of the recent advances in the development of the technology, including up to ten-fold increase in sensitivity and increases in speed, enabled by proprietary synchronisation control. This will be discussed in the light of applications enabled by Ultra*VIEW* systems.