

IMAGING

Tech Pulse



PHOTONICS MEDIA

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Imaging Tech Pulse is a special edition newsletter from Photonics Media and PCO covering key developments in imaging technology.

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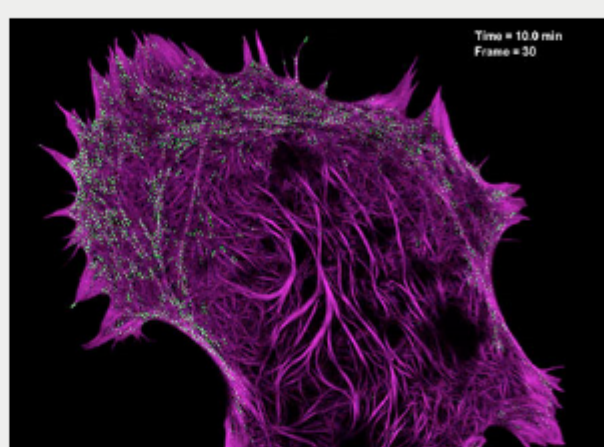


X-Ray Camera Solutions



Modified SIM Makes Movies of Cell Processes

"These methods set a new standard for how far you can push the speed and noninvasiveness of superresolution imaging," said Nobel laureate Dr. Eric Betzig. "This will bring superresolution to live-cell imaging for real."



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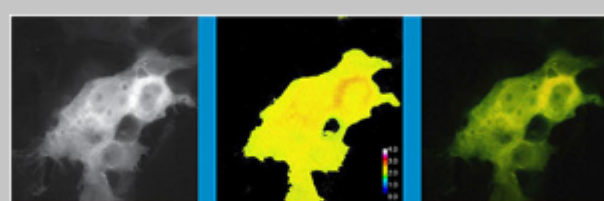


PROMOTED CONTENT



Fluorescence Lifetime Imaging Application Simplified... With the pco.flim

The pco.flim whitepaper gives an introduction in fluorescence lifetime imaging, if it is done in the frequency domain, with all the required background information. It is thought to refresh the knowledge about photoluminescence and how lifetime imaging is done in time domain and frequency domain. Further it describes the characteristics of the new frequency domain FLIM camera system pco.flim and how it can be efficiently applied.

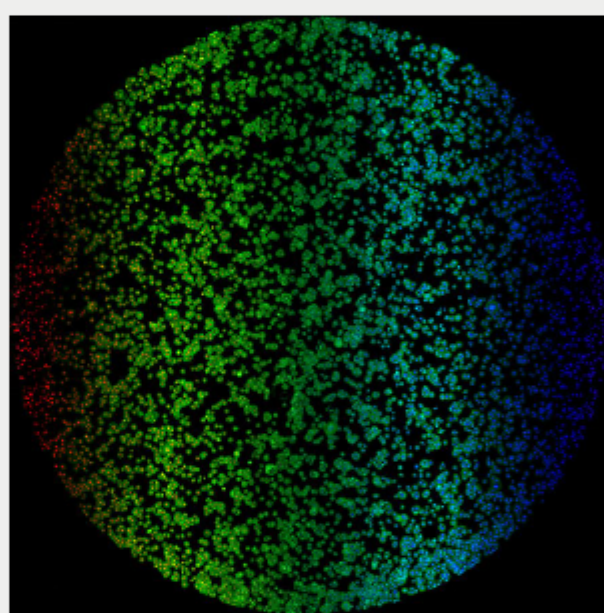


[Download White Paper](#)



Microlens Array Spawns Massive Microscope Image

A new multispectral device is said to have produced the largest microscope image ever, combining 13 color channels gathered by thousands of microlenses into a nearly 17-gigapixel picture.

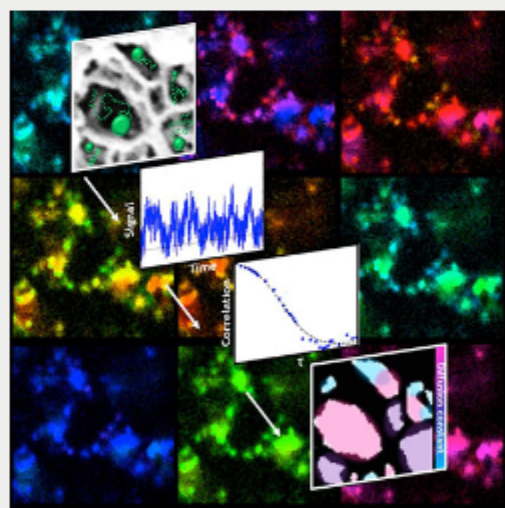


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Imaging of Nanoscale Pores Aids Drug Discovery

While fluorescent tags are commonly used to image structures in biology and elsewhere, they typically haven't been used to explore empty spaces.



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3D Data Captured with 2D Camera

With a few modifications and expanded processing capabilities, standard digital cameras can extract detailed 3D information from a single exposure.



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CCD Sensors Remain Competitive with Broadening Appeal

Over the last few decades, CCD sensors have been slowly overtaken by CMOS sensors for applications ranging from mobile phone cameras to surveillance. But CCDs still have a lot to offer, particularly where extreme sensitivity and long exposures are crucial.



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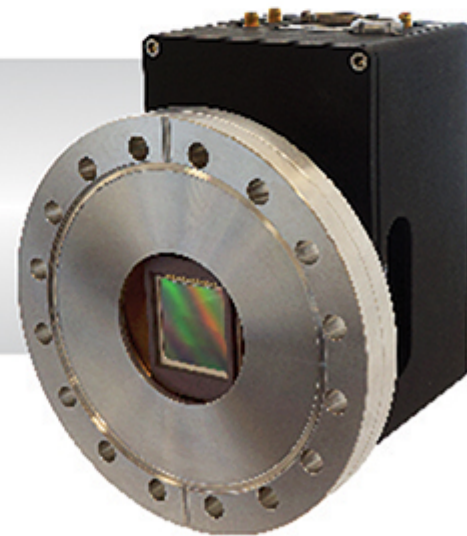


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Eagle XO X-Ray

Cooled 1MP & 4MP High Energy CCDs



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