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developments in lasers, imaging, optics, spectroscopy, microscopy, lighting and more.



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Lasers Keep Crows Out Of The Corn From mid-July through October, just as New England sweet corn crops ripen,

flocks of blackbirds, starlings, grackles and crows swarm and strip the fields,

inflicting up to \$800 in lost product per acre. And deterrent methods were not ideal. That is why the Rhode Island Department of Environmental Management asked Rebecca Brown, a professor of plant sciences at the University of Rhode Island in Kingston, R.I., to study the effectiveness of a laser-based alternative at small farms.



Fluorescence Correlation Spectroscopy — Going Beyond



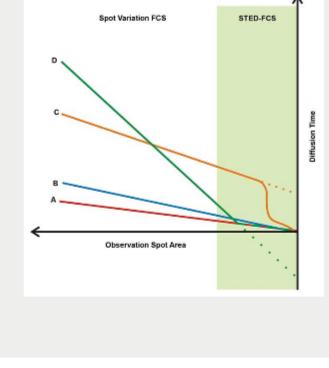
the Diffraction Limit





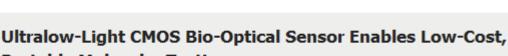
tool for investigating diffusion heterogeneity over time and space.

The combination of short measurement times along with free position or scanning of the observation spot makes fluorescence correlation spectroscopy an excellent



Portable Molecular Testing

diseases and cancer.



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Splice or process fibers with 80 µm

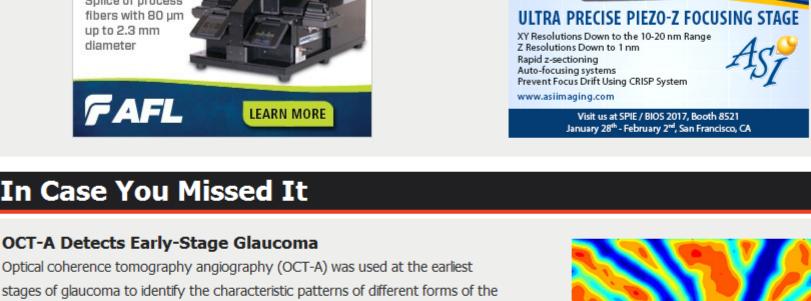
up to 2.3 mm







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vasculature, could enable doctors to diagnose glaucoma cases earlier than ever before and potentially slow down the progression of the disease.

In Case You Missed It

OCT-A Detects Early-Stage Glaucoma

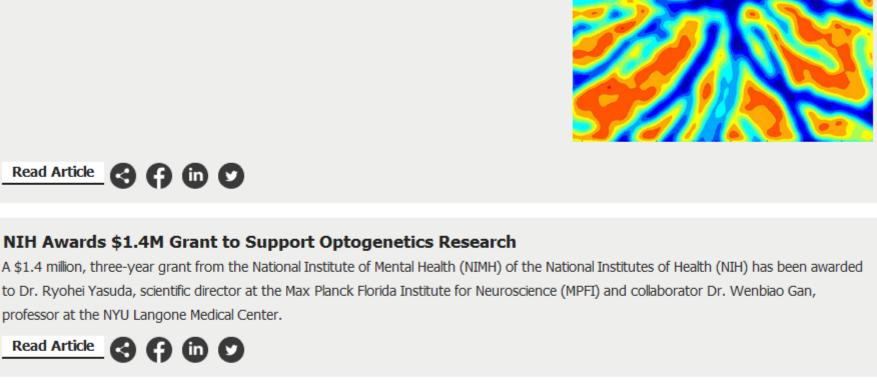
Read Article (4) (f) (ii)

NIH Awards \$1.4M Grant to Support Optogenetics Research

Optical coherence tomography angiography (OCT-A) was used at the earliest

OCT combined with motion contrast processing to reveal perfused retinal

disease. OCT-A, a noninvasive technique that employs en face reconstruction of



Multichannel Optical Biosensor May Detect Cancer

high-throughput device.

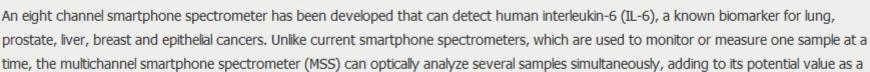


Featured Products

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professor at the NYU Langone Medical Center.





Stripper

3700 Read Article

PCS-100 Polyimide Coating

time than the conventional methods of

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AFL Lumencor Inc. Quick stripping – A razorblade is applied Lumencor's SOLA light engines offer to the fiber with specific tension and the access to modern solid state illumination, coating is precisely planed along the fiber with all its performance and efficiency benefits, at a price comparable automatically. The process requires less to most metal halide light sources.

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Webinars

Thu, Feb 16, 2017 1:00P EST

acid or heat.

PicoQuant GmbH Time-resolved fluorescence spectroscopy

Spectrometer for <u>Semiconductors</u>

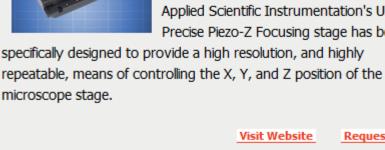
is a spectroscopist's most valuable tool for the investigation of excited state dynamics in molecules, complexes,

wafers.

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quantum dots, or semi-conductors

inverted selective plane illumination microscopy (iSPIM) and dual-view iSPIM.



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Engine

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Features

High-Speed Imaging At and Beyond the Diffraction Limit

Hari Shroff, Ph.D., head of the Section on High Resolution Optical Imaging at the National Institute of Biomedical Imaging and Bioengineering (NIBIB), will speak on his lab's latest work to develop high-resolution optical methods for the study of live, dynamic, 3D samples, including efforts to improve structured illumination

microscopy (SIM) and light-sheet microscopy. He will also discuss developments in





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