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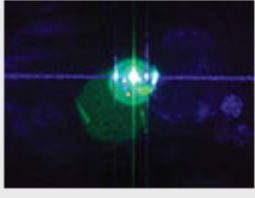


BIOPHOTONICS

BRINGING LIGHT TO THE LIFE SCIENCES

Wednesday, March 23, 2016

Using Photonic Components to Design and Build Life Science and Analytical Instruments



Leading analytical and clinical diagnostics instrumentation OEMs rely on integrated light emission and detection solutions to unlock the mysteries around disease and treatment. Photonic solutions encompassing optical, illumination, sensing and optomechanical technologies provide these OEMs with not only convenience and simplicity, but also an accelerated path to market for the development of highly complex life science and analytical instruments.

[Read Article >>](#)



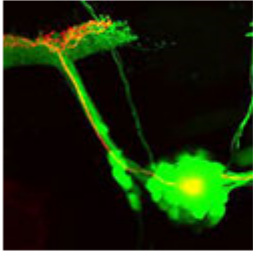
Advances in Laser Diodes Can Bring Portability to Point-of-Care Photoacoustic Systems

Today's aging population faces an increase in chronic afflictions such as rheumatoid arthritis, cancer and cardiovascular disease. Photoacoustics is a novel imaging technique that could help monitor disease at an early stage, providing structural and functional information of blood vessels and tissues.

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Optogenetic Method Investigated for Neuron Repair



An optogenetics method has been used to stimulate the repair of a single neuronal circuit in zebrafish larvae. The method could have future therapeutic applications as a treatment for neuropathies in humans and other vertebrates.

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Featured Products



ULTRA Fluorescence Filter Sets

Alluxa
Alluxa's ULTRA Series of fluorescence filter sets are designed to provide the highest level of performance currently available for off the shelf products.

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Handheld PAR Meter

Gigahertz-Optik Inc.
Gigahertz-Optik Inc. has announced the BTS256-PAR handheld spectrometer-based photosynthetically active radiation (PAR) meter for natural or artificial light source analysis.

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Customize Your Laser Wavelengths

Necsel IP, Inc.
Necsel enables the OEM higher levels of integration with our product line of compact high power low cost lasers.

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LIDA Light Engine

Lumencor, Inc.
Lumencor's LIDA light engine® works hand-in-hand with the latest monochrome cameras to generate RGB color transmitted light images with unprecedented sensitivity, spatial resolution, speed and color fidelity.

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Dual Inverted SPIM

Applied Scientific Instrumentation, Inc.
ASI has developed a new form of light sheet microscopy with our collaborators in the scientific community.

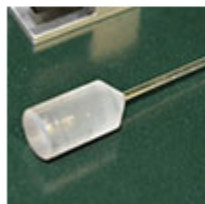
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Our Newest Innovation is Cost

Teledyne DALSA
The Genie Nano series offers industry-leading CMOS image sensors, with a fully optimized camera platform to deliver high frame rates and powerful features, all at an extremely affordable price point.

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Specialty Splicing and Endcap Technology

AFL
As optical fiber processing technologies and specialty fiber research advances, an entirely new generation of fiber optic components has developed.

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Powerful Color-switching Light Source

Excelitas Technologies Corp.
New X-Cite® TURBO is a powerful, color-switching light source for fluorescence imaging applications.

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Industry Events

Fifteenth Annual Bio-IT World Conference & Expo 2016 - April 5 - 7, 2016 · Boston, Mass.



This event showcases the myriad of IT and informatics applications and enabling technologies that drive biomedical research, drug discovery & development, and clinical and healthcare initiatives.

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Photonics Media is currently seeking technical feature articles on a variety of topics for publication in our magazine *BioPhotonics*. Please submit an informal 100-word abstract to Editor James Schlett at James.Schlett@Photonics.com

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REASON #7:

ULTRA SERIES, BANDPASS, DICHROICS AND MULTIBANDS FOR LIFE SCIENCES

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Video Microscopes
Confocal Microscopes
Fiber Lasers
Medical Cameras
Raman Spectrometer
Laser Systems**



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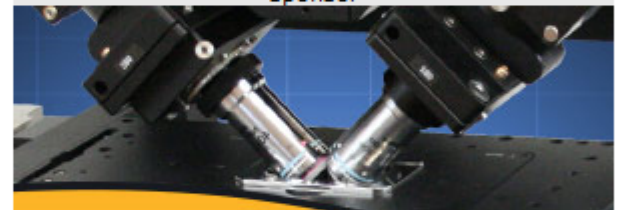


How Digital Pathology Can Lead to Faster, Better Treatment

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Technical Conference:
5 - 10 June 2016

CLEO:EXPO:
7 - 9 June 2016

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