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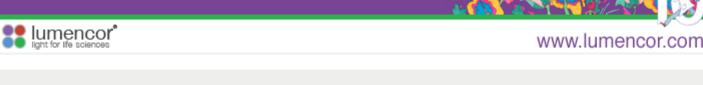




developments in lasers, imaging, optics, spectroscopy, microscopy, lighting and more.

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Advancements are producing alternatives to invasive technologies that are safer, more effective and more affordable. From skin cancer diagnosis and treatment to

In Dermatology, Lasers Offer Options For Medical,

Cosmetic Procedures

wrinkle removal and skin rejuvenation, laser-based treatments increasingly offer noninvasive alternatives to traditional procedures. These noninvasive alternatives can lessen tissue damage, decrease recovery times, speed diagnosis and reduce scarring.

Pathology

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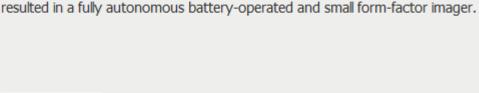


Hyperspectral imaging provides images with numerous spectral bands over a continuous spectral range, enabling analysis of complex scenes that contain both spectral and spatial information. Recent advances in tunable filter elements

combined with increased computational power of embedded processors have

Intelligent Hyperspectral Imaging Holds Promise for

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A novel microscopy platform with enhanced detection sensitivity could allow for more comprehensive, system-wide labeling and imaging of greater numbers of biomolecules in living cells and tissues than is currently possible. The platform, called

Microscopy Method Enables Simultaneous Imaging of 24

electronic pre-resonance stimulated Raman scattering microscopy, offers high levels of sensitivity and selectivity.

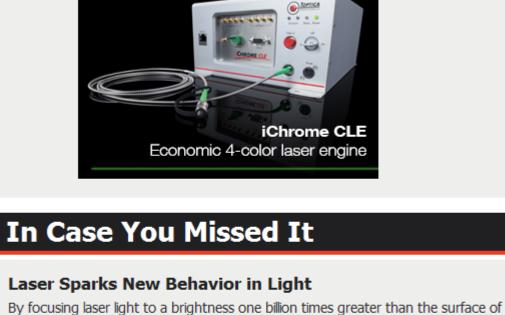












A new nanoscale sensor has been developed that can help detect cytokines — molecules that play a critical role in cellular response to infection,

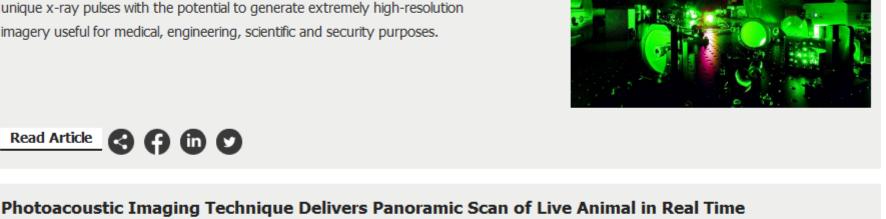
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the sun, physicists at the University of Nebraska-Lincoln have observed changes in a vision-enabling interaction between light and matter. The changes produced

unique x-ray pulses with the potential to generate extremely high-resolution imagery useful for medical, engineering, scientific and security purposes.

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A hybrid imaging technique combines light and ultrasound to provide a full cross-sectional view of a small animal's internal functions in real time.

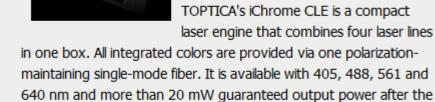


inflammation, trauma and disease.



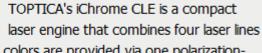


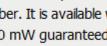
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Mobile Hyperspectral Imagers: Implementations and

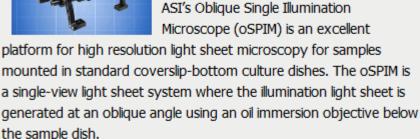
This webinar will provide an overview of the state of the art in hyperspectral imaging (HSI) and cover a number of applications for HSI spanning medical

imaging to agriculture and anti-counterfeiting. The webinar will conclude with an outlook on some of the exciting new technologies that are expected to continue to transform this imaging modality and move it into the domain of the consumer. Presenter Hod Finkelstein is CTO of TruTag Technologies where he leads imaging

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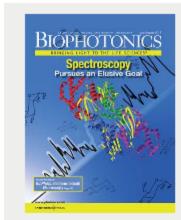
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Features

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