BIOPHOTONICS

BRINGING LIGHT TO THE LIFE SCIENCES

PHOTONICS MEDIA
THE PULSE OF THE INDUSTRY

Wednesday, August 26, 2015

Lasers Make Their Marks on Skin and Tissue Procedures

Technologically advanced lasers increasingly are being used to treat a wide range of cosmetic and medically related skin conditions, such as resistant tattoo removal and for the treatment of wounds, scars and skin diseases. Patients are benefitting from less pain and shorter recovery times.

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New Smartphone Device Analyzes Blood, Aims to Eradicate Diseases in Africa

A research team led by engineers at the University of California, Berkeley has developed a new mobile phone microscope capable of analyzing blood. Its primary purpose is to automatically detect and quantify bodily infection caused by parasitic worms.

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Raman Imaging Breakthrough to Advance Cancer Detection

A vibrational spectroscopic imaging technology that can take images of living cells could represent an advanced medical diagnostic tool for the early detection of cancer and other diseases. The electronic device is referred to as a 32-channel tuned amplifier array, or TAMP array, and was developed at Purdue University's Jonathan Amy Facility for Chemical Instrumentation, which is part of the school's Department of Chemistry.

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Fluorescent Ink Proposed as Anticounterfeiting Tool

Fluorescent inks could one day be used in multicolored barcodes to authenticate frequently counterfeited products. Developed by researchers at Northwestern University, the inks are invisible under normal light but reveal themselves under UV illumination.

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Featured Products

SPECTRA X Light Engine

Lumencor, Inc.

The SPECTRA X light engine from Lumencor is the ultimate integrated solid-state excitation source for fluorescence microscopy.

More info >>

Fiber-Coupled Pump Module

DILAS Diode Laser, Inc.

Dilas Diode Laser Inc. has announced a fiber-coupled diode laser pump module, developed for fiber laser pumping with kilohertz modulation capabilities.

More info >>

Dual Inverted SPIM

Applied Scientific Instrumentation, Inc.

ASI has developed a new form of light sheet microscopy with our collaborators in the scientific community.

More info >>

Sub-miniature Resonant Scanner

Electro-Optical Products Corp.

The fixed frequency resonant optical scanner deflects a light beam with a continuous sinusoidal motion.

More info >>

Industry Events

Vision in Life Sciences Conference 2015 - November 19, 2015 · San Diego, Calif.

This inaugural one day event will enable you to get a deeper understanding of the technologies that are integral in Life Sciences applications today. In the Life Sciences sector, organizations are all using CCD or CMOS sensors, microscopes, lighting, filters and software to process data to allow their devices and tools to fulfill their purpose.

More info >>

CALL FOR ARTICLES!

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 Rodd Pedrotti at Rodd.Pedrotti@Photonics.com