Issue 1 Tuesday, October 31, 2017

sneak PREVIEW

PHOTONICS MEDIA

Neuroscience – Washington D.C.

November 11-15

An advanced look at the products, trends and technologies being presented.

Scientists Gather for Largest Global Neuroscience Event

The 47th annual meeting of the Society for Neuroscience — Neuroscience 2017 — and exhibition will be held Nov. 11-15 in Washington, D.C. It will feature numerous lectures by some of the industry's top physicians and neuroscientists, an extensive symposia schedule and roundtable discussions.

"Meet the expert" sessions will offer attendees a look at research techniques and the opportunity to talk with world-renowned scientists and physicians. Workshops and courses will be led by some of the world's foremost scientists, and an expansive exhibition will feature companies from around the world.

Watch Video

Featured Exhibitors

NEW: X-Cite FIRE LED Illuminator

From: Excelitas Technologies Corp.

X-Cite FIRE is a true arc lamp replacement for routine and advanced fluorescence imaging applications. It has the broadest spectrum available in a white light LED for fluorescence microscopy and rivals traditional arc lamps for brightness – making it ideal for both compound and stereomicroscopes. Built to X-Cite's high quality standards, X-Cite FIRE makes it possible to enjoy the benefits of LEDs without compromising on price, flexibility, or performance.

Visit us: Booth 2922

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Customized OEM Optical Systems

From: Prior Scientific Inc.

Prior Scientific is the leading worldwide manufacturer of automated precision components and customized subassemblies for microscopy applications and automated OEM optical systems. Prior will exhibit many off-the-shelf components such as high-precision linear and stepper motor XY and Z stages, the NEW OpenStand motorized optical stand product line for electrophysiology and several customized automation solutions, at booth #2216.

Visit us: Booth 2216

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INFINITY3-6UR Microscope Camera

From: Lumenera Corporation

Need a camera with sensitivity, speed, and resolution? The Lumenera INFINITY3-6UR is the ideal general purpose camera for most microscopy applications due to its 6MP resolution, excellent color reproduction, and speed and light sensitivity needed for low-light applications. Built on Sony's EXview HAD II sensor technology, this camera offers extremely high-dynamic range, 4.54 × 4.54 µm pixels, and very low noise.

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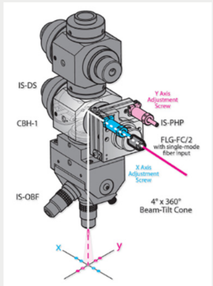
Shining a Light on Optogenetics

From: Siskiyou Corp.

The IS-OGP is a modular subassembly from Siskiyou that collimates light from an input single-mode fiber and directs it anywhere in the field of view of an upright microscope via a 45° beamsplitter. The light can be focused to an adjustable diameter spot whose position can be precisely located or scanned via mechanical (differential screw) or automated actuators.



Visit us: Booth 1300

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PCO's Small But Mighty Panda Cam

From: PCO-TECH INC

The new pco.panda 4.2 sCMOS camera provides high quantum efficiency with low dark current noise in an ultra-compact body. The addition of the USB 3.1 interface enables a new generation of cameras with ultra-speed data transfer and direct power via the USB cable. Stop by and see our pco.panda 4.2 at this year's NEUROSCIENCE in Washington D.C. and meet us at Booth 3127.

Visit us: Booth 3127

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Cleared Tissue Objective

From: Applied Scientific Instrumentation Inc.

ASI partnered with Special Optics to develop an objective lens specifically designed for light sheet microscopy of cleared tissue samples. The multi-immersion objective is designed for media RI ranging from 1.33 to 1.56 (includes all major clearing protocols), has NA ~0.4, 1.2 mm field of view, ~17× magnification, and 12 mm working distance. Submicron resolution in X, Y, and Z is possible when used in multiview systems like the diSPIM.

Visit us: Booth 3123

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PHOTONICS MEDIA

Photonics Media Publications at Neuroscience 2017

Look for *Biophotonics* and *Photonics Spectra* magazines on the Literature Wall at Neuroscience 2017. The Literature Wall will be located outside the SfN Headquarters Office (Street Level 1, Room 102) in Walter E. Washington Convention Center.

Pick up copies of *Biophotonics* and *Photonics Spectra* for feature articles covering 3D medical imaging, optical microscopy, 3D mapping of neural circuits, terahertz imaging and high-luminance light sources. And as always you can visit us online at www.photonics.com