

# sneak PREVIEW



## NEUROSCIENCE – San Diego, CA

November 13-16

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




### SfN 2016 Show Presents Emerging Science, Collaboration

The Society for Neuroscience (SfN) Neuroscience 2016 conference and 46th annual meeting provides a forum in which industry experts present emerging science, collaborate with peers, explore new tools and technologies, and advance careers.

Attendees have the opportunity to learn about emerging and unpublished findings, professional development prospects, and discuss hot topics in scientific publishing, academia, advocacy, public education and more.

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sponsor



**LUMENERA'S INFINITY3S-1UR**  
ultra-sensitive USB 3.0 microscopy camera

Visit us at Neuroscience Booth #820

[CLICK FOR DETAILS](#)



## Featured Exhibitors

### [New X-Cite® 120LEDBoost](#)

From: **Excelitas Canada Inc.**

X-Cite® 120LEDBoost – a new and improved broad spectrum LED illuminator offering 40% more power output in the 500-650nm region of the spectrum than its predecessor. With no bulbs or modules to install, set-up and operation is simpler and more reliable.

**Visit us: Booth 2518**



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### [Physiology Platform Stage Systems](#)

From: **Prior Scientific Inc.**

The ZDeck Quick Adjust Platform is designed for physiology and two photon/MPE optical configurations. It has a large breadboard surface area with adjustable height range (no tools required) and XY travel of 65mm x 65mm. Manual and motorized (zero noise) versions are available along with a variety of accessories such as our zero noise/zero drift micromanipulators to build a versatile platform for both prepared tissue and whole animal specimens.

**Visit us: Booth 1729**



### [Lumenera's INFINITY3S USB3 Camera](#)

From: **Lumenera Corporation**

Lumenera's INFINITY3S-1UR is a high-speed, ultra-sensitive research grade microscopy camera with 1.4 megapixel resolution. The camera incorporates Sony's new ICX825 CCD sensor, producing much higher dynamic range and sensitivity over the popular ICX285 sensor. The INFINITY3S-1UR has the light sensitivity needed for challenging low light applications such as fluorescence and NIR imaging. Visit Lumenera at Neuroscience to see a demo of the camera!

**Visit us: Booth 820**



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### [pco.edge Meets CLHS](#)

From: **PCO AG**

A new level of ultra-fast data transfer bridging great distances with maximum data security and stability: Those aspects are just a few of the many benefits of Camera Link HS interface, that was specifically designed to meet the requirements of vision and imaging applications for both today and tomorrow. PCO combines the outstanding strengths of Camera Link HS with its unique and internationally renowned sCMOS camera portfolio.

**Visit us: Booth 3700**

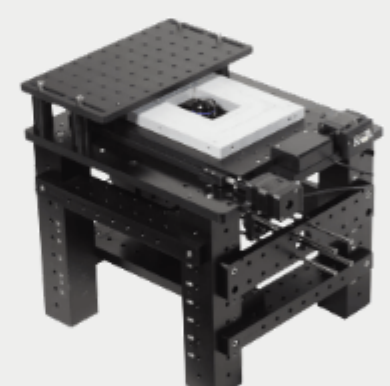


### [Single Molecule Microscopes](#)

From: **Mad City Labs Inc.**

Mad City Labs offers single molecule microscopes. Our single molecule microscopes are designed for nanopositioning precision with a special emphasis on stability. Our microscopes have direct access to optical pathways and compatibility with standard cameras and optomechanical parts making it versatile for multiple techniques. We offer standard configurations for MicroMirror TIRF, epi-fluorescence and atomic force microscopy. Applications: super resolution microscopy, fluorescence microscopy, atomic force microscopy, TIRF microscopy, and light microscopy.

**Visit us: Booth 2419**



### [diSPIM from ASI](#)

From: **Applied Scientific Instrumentation Inc.**

Dual Inverted Selective Plane Illumination Microscopy is an extremely cell-friendly method for imaging live specimens. It only illuminates the region of the sample that is being captured minimizing phototoxicity and photobleaching by ~7-10 fold. It generates 330 nm isotropic 3D images. It also provides an axial resolution of ~2x, better than other systems in the market. DISPIM applications include cell dynamics, developmental biology, and live specimen imaging.

**Visit us: Booth 1921**



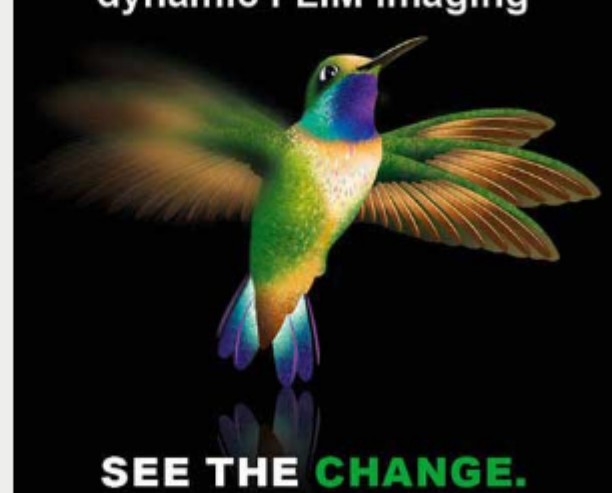
### [A New Standard for Dynamic FLIM](#)

From: **PicoQuant GmbH**

The novel rapidFLIM approach enables imaging dynamic processes via fluorescence lifetime imaging (FLIM) making it possible to acquire up to several frames per second. Thus dynamic processes can now be studied accurately, including protein or chemical reactions, ion flux, highly mobile species (e.g., mobility of cell organelles or particles, cell migration), or FRET dynamics. More than 10 frames per second can be acquired, depending on sample brightness and image size.

## rapidFLIM

Redefining standards for dynamic FLIM imaging



SEE THE CHANGE.

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### [Most Sensitive Scientific CMOS with 95% QE](#)

From: **Photometrics**

Overcome difficult low-light-imaging challenges by converting nearly every available photon to useful signal with an incredible 95% Quantum Efficiency. The most sensitive camera available, the new Prime 95B™ is the first and only backside illuminated Scientific CMOS for life science imaging. Taking on photon shot noise, the sCMOS family from Photometrics also includes the award-winning Prime™, the only scientific camera with onboard processing intelligence that restores signal hidden in noise. Discover how its unprecedented computational capabilities compare to all other sCMOS cameras.



**Visit us: Booth 2712**

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## PHOTONICS MEDIA



### STOP BY OUR BOOTH

Visit *Biophotonics*, a Photonics Media publication at booth 2420 to read up on the latest on optogenetics, including a great feature article on the use of LEDs vs lasers: *LEDs and Lasers Battle for Dominance in Brain Research* in October's *Biophotonics* magazine.

While you are at our booth you can start or renew a subscription to our magazines for FREE, pick up all our latest issues, grab a FREE Photonics Media bag to carry them all away in and enter-to-win a \$100 Amazon.com gift card! And as always, you can visit us online at [www.photonics.com](http://www.photonics.com).