

MEDIA ADVISORY

November 15, 2023

**Excelitas Technologies to Highlight X-Cite Fluorescence Illuminators
and PCO Camera Solutions at Cell Bio**

Company Also Celebrates 20th Anniversary of X-Cite Fluorescence Illumination Brand

WHO: [Excelitas Technologies® Corp.](#), a leading industrial technology manufacturer focused on delivering innovative, market-driven photonic solutions, will highlight its broad array of X-Cite® fluorescence illumination and PCO® sCMOS and high-speed camera solutions for scientific research at [Cell Bio 2023](#). Excelitas will also mark the 20th anniversary of the X-Cite brand, which is recognized as the industry standard in fluorescence illumination.

WHAT: Staff will be on-site at Excelitas Booth # 343 during the joint event with the American Society for Cell Biology (ASCB) and European Molecular Biology Organization (EMBO) to present live demonstrations and display featured products including:

- [New X-Cite XYLIS™ II Broad Spectrum LED Illumination System](#): A replacement for the current X-Cite XYLIS, XYLIS II offers several improvements, including significantly quieter operation and increased optical output, with the broadest spectrum available in a white light LED for fluorescence microscopy applications. Surpassing traditional arc lamps for brightness, XYLIS II is ideal for both compound and stereomicroscopes. It incorporates Excelitas' patented, award-winning LaserLED Hybrid Drive® technology to overcome the LED green gap from the 540 nm to 590 nm region of the spectrum, where LED-only systems are significantly challenged.
- [X-Cite NOVEM™ 9-Channel LED Illumination System](#): X-Cite NOVEM is Excelitas' next-generation LED light source, which delivers the brightest and most powerful LED illuminator ever. The nine-wavelength, fast-switching system includes spectral coverage from Fura-2 all the way to IR800. Incorporating Excelitas' patented LaserLED Hybrid Drive, NOVEM effortlessly fills the green gap in the challenging 500 nm to 600 nm range. It also features high excitation power for fluorescence applications across the UV-visible-NIR spectrum.
- [pco.edge 10 bi LT CLHS sCMOS Camera](#): The next-level pco.edge 10 bi LT sCMOS camera features a back-illuminated image sensor and provides a quantum efficiency of up to 85% with a broad spectrum extending to NIR. The sensor incorporates microlenses and a deep-trench isolation for crosstalk suppression resulting in an excellent MTF. The camera also offers new imaging performance and a large image circle by using a high-resolution 10.4 MPixel image sensor with a square pixel size of 4.6 µm.
- [pco.pixelfly™ 1.3 SWIR Camera](#): The high-performance pco.pixelfly 1.3 SWIR machine vision camera features a special InGaAs image that is sensitive in the shortwave infrared, near infrared and visible range of the electromagnetic



spectrum. As a result, the pco.pixelfly 1.3 SWIR shows a favorably high sensitivity in the whole spectral range with more than 90% in the shortwave infrared part. The small pixels enable the use of small magnification optics in microscopy and a low dark current allows for even longer exposure times.

WHEN: December 3 - 5, 2023

WHERE: Boston Convention & Exhibition Center, Boston, MA
Excelitas Booth # 343

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About Excelitas Technologies Corp.

Excelitas Technologies® is a leading industrial technology manufacturer focused on delivering innovative, market-driven photonic solutions to meet the illumination, optical, optronic, sensing, detection and imaging needs of our OEM and end-user customers. Serving a vast array of applications across biomedical, scientific, semiconductor, industrial manufacturing, safety, security, consumer products, defense and aerospace sectors, Excelitas stands committed to enabling our customers' success in their many various end-markets. Our team consists of more than 7,500 professionals working across North America, Europe and Asia, to serve customers worldwide.

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