



MEDIA ADVISORY

March 25, 2025

Excelitas Technologies to Present Fluorescence Illumination and Camera Solutions for Life Science and Medical Imaging at Focus on Microscopy 2025

WHO: [Excelitas Technologies® Corp.](#), the leading provider of advanced, life-enriching technologies that make a difference, serving global market leaders in the life sciences, advanced industrial, next-generation semiconductor, aerospace and defense end markets, will highlight its latest X-Cite® fluorescence illumination and PCO® camera solutions at [Focus on Microscopy 2025](#) (FOM). Company experts will also present a session on the evolving multiplex imaging requirements essential for life science and medical imaging applications.

WHAT: Optimized product pairings on display at Booth #30-31 include:

- [X-Cite XYLIS™ II Broad Spectrum LED Illumination System](#): A true arc lamp replacement for routine and advanced fluorescence imaging applications, XYLIS II offers the benefits of LEDs without compromising on price, flexibility or performance. Improvements include sound levels 10dB quieter than the original XYLIS and increased optical output with the broadest spectrum available in a white light LED for fluorescence microscopy. It surpasses traditional arc lamps in brightness, making it ideal for both compound and stereomicroscopes.
- [X-Cite NOVEN™ 9-Channel LED Illumination System](#): The next generation multi-wavelength NOVEN delivers the brightest and most powerful LED illumination ever. The nine-wavelength, fast-switching system includes spectral coverage from Fura-2 all the way to IR800. It also leverages Excelitas' patented LaserLED Hybrid Drive® to effortlessly fill the green gap in the challenging 500 nm–600 nm range, with high excitation power for fluorescence applications across the UV-visible-NIR spectrum.
- [pco.edge 9.4 bi CLHS sCMOS Camera](#): Ideal for demanding microscope methods, including Lightsheet Fluorescence Microscopy (LSFM) and Structured Illumination Microscopy (SIM), the pco.edge 9.4 bi CLHS is Excelitas' first sCMOS camera with photon counting sensitivity. It combines an extremely low readout noise of 0.3 e⁻ with a quantum efficiency of up to 85% and a broad spectrum out to NIR. The camera's sensor incorporates microlenses and a full pixel height deep trench isolation for crosstalk suppression, resulting in an excellent modulation transfer function. Additionally, it provides a large diagonal suitable for large field of view microscopes using a high-resolution 9.4MPixel image sensor with a square pixel size of 4.6µm and a fiberoptical Camera Link HS interface capable of transmitting up to 4.9 GByte/s.
- [pco.edge 26 CLHS sCMOS Camera](#): The pco.edge 26 CLHS offers high-speed, high resolution streaming by combining the image quality of a 26 MPixel image sensor with unrivaled data transfer options. It features a fiberoptical Camera Link HS interface. Furthermore, pco.edge 26 CLHS operates at a minimum read noise and dark current without compromising image quality, making it a powerful solution for a range of life science and physical science applications.



WHEN: Tradeshow: April 13 – 16, 2025
Presentation: [Multiplex Imaging in Life Science and Medical Imaging](#)
Date/Time: Monday April 14, 16:50-17:50 CST
Location: National Taiwan University Hospital International Convention Center,
Room 201
Presenters: Gerhard Holst, PhD, Senior Imaging Product & Application Scientist,
and Kavita Aswani, PhD, Senior Biomedical Applications Scientist

WHERE: Excelitas Booth # 30-31
National Taiwan University Hospital International Convention Center, Taipei City,
Taiwan

###

About Excelitas Technologies Corp.

Excelitas is the leading provider of advanced, life-enriching technologies that make a difference, serving global market leaders in the life sciences, advanced industrial, next-generation semiconductor, aerospace and defense end markets. Headquartered in Pittsburgh, PA, USA, Excelitas is an essential partner in the design, development and manufacture of photonic technologies, offering leading-edge innovation in sensing, detection, imaging, optics and specialty illumination for customers worldwide.

Connect with Excelitas on [LinkedIn](#), [Facebook](#), [X](#) and [Instagram](#), or visit our website at www.excelitas.com for more information.

Excelitas®, Excelitas Technologies®, X-Cite®, PCO®, and LaserLED Hybrid Drive® are registered trademarks, and XYLIS™ and NOVEM™ are trademarks of Excelitas Technologies Corp. All other products and services are either trademarks or registered trademarks of their respective owners.

Contacts:

Scott Orr
Senior Director of Global Marketing - Commercial
scott.orr@excelitas.com
+1 (781) 996-5925

Cheryl Reynhout or Jill Anderson
On Behalf of Excelitas Technologies Corp.
SVM Public Relations
excelitas@svmmarcom.com
+1 (401) 490-9700