



MEDIA ADVISORY

March 17, 2026

## Excelitas to Present Advanced Imaging, Illumination and Hyperspectral Microscopy Technologies at Focus on Microscopy 2026

**WHO:** [Excelitas®](#), a leading provider of advanced, life-enriching technologies that make a difference, serving global market leaders in the life sciences, advanced industrial, next-generation semiconductor and avionics end markets, will showcase its high-performance imaging, fluorescence illumination and hyperspectral microscopy technologies at [Focus on Microscopy 2026 \(FOM 2026\)](#). Company experts will also present a session on multiplex imaging for life science and medical imaging.

**WHAT:** The Excelitas exhibit (Booth #18-19) will feature solutions designed to help researchers capture high-resolution data, improve signal detection and unlock new insights in advanced microscopy workflows including:

- [pco.edge 9.4 bi CLHS Scientific CMOS Camera](#): The pco.edge 9.4 is Excelitas' first sCMOS camera with photon counting capabilities for challenging and demanding microscope methods including Lightsheet Fluorescence Microscopy (LSFM), Structured Illumination Microscopy (SIM) and hyperspectral imaging. The camera combines ultra-low readout noise of  $0.3 e^-$  and quantum efficiency up to 85% with a broad spectrum out to NIR. It is equipped with a Camera Link HS fiber-optic interface capable of transmitting up to 4.9 GByte/s.
- [X-Cite TETREM™ 4-Channel LED Illumination System](#): Designed to cover the four key spectral bands required to excite the most popular dyes used in fluorescence microscopy, X-Cite TETREM offers a compact and cost-effective choice for researchers performing live cell imaging or upgrading from a lamp-based system for routine applications.
- [X-Cite NOVEM™ 9-Channel LED Illumination System](#): The award-winning X-Cite NOVEM delivers Excelitas' brightest and most powerful LED illumination ever. It leverages Excelitas' patented LaserLED Hybrid Drive® to effortlessly fill the green gap in the challenging 500nm – 600nm range and features high excitation power for fluorescence applications across the UV-visible-NIR spectrum.
- **Hyperspectral Fluorescence Microscopy Demo**: This demonstration combines the high-performance [pco.edge 9.4 bi CLHS Scientific Camera](#) featuring an extremely low readout noise sCMOS image sensor for sensitivity across the visible to NIR wavelengths, with the Nireos GEMINI X interferometric hyperspectral imaging module to be used with fluorescence widefield microscopes. Together, the system illustrates how hyperspectral image stacks ("data cubes") can be generated to enable spectral analysis of multi-stained biological samples for differentiation and identification of sample components.

**WHEN /**

**WHERE:** **Tradeshow:** March 29 – April 1, 2026

Excelitas Exhibit Booth #18-19

Kistamässan, Arne Beurlings Torg 5, Stockholm, Sweden

**Presentation:** Multiplex Imaging with the World's Most Sensitive Hyperspectral Camera System for Life Science and Medical Imaging, presented by Gerhard Holst, PhD, Senior Imaging Product & Application Scientist  
March 30, 2026 | 16:50 – 17:10 CET  
Room M12

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### **About Excelitas**

Excelitas is a leading provider of advanced, life-enriching technologies that make a difference, serving global market leaders in the life sciences, advanced industrial, next-generation semiconductor and avionics end markets. Headquartered in Pittsburgh, PA, USA, Excelitas is an essential partner in the design, development and manufacture of advanced technologies, offering leading-edge innovation in sensing, detection, imaging, optics and specialty illumination for customers worldwide. Excelitas is at the forefront of addressing many of the relevant megatrends impacting the world today, including precision medicine, industrial automation, artificial intelligence and connected devices (IoT).

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

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