**MEDIA ADVISORY** **June 12, 2019**

## Excelitas to Highlight New Cytometry Solutions at CYTO Vancouver

**WHO:** Excelitas Technologies®, a global technology leader delivering innovative, customized photonic solutions, will showcase its latest solutions for cytometry applications at CYTO Vancouver.

**WHAT:** Featured products at the Excelitas booth #521 include:

- iFLEX-iRIS™ Compact Diode CLM Lasers and Single-Mode Fibers: Rising from our Qioptiq photonics heritage, iFLEX-iRIS CLM Lasers are a compact, high-performance, laser illumination source delivering exceptional power stability, excellent Gaussian beam quality and low amplitude noise for high-resolution flow cytometry applications. iFLEX-iRIS Lasers feature on-board Closed-Loop Modulation (CLM) and are available in wavelengths from 375-852nm at power levels up to 200mW. They are ideal for both free-space use or with the Qioptiq kineFLEX® polarization-maintaining fiber-delivery system.
- iFLEX-Viper® 4-Line Laser Engine: The iFLEX-Viper is a high-performance, solid-state, multi-wavelength laser engine combining four wavelengths in a single system with combined, co-linear beam output. Robust design eliminates the need for user alignment of the internal laser sources. The system is mode-hop free and wavelength stabilized as a direct result of active temperature control, with the ability for independent and simultaneous control over each laser. Automatic CLM provides long-term power stability. Integratable wavelengths include: 405, 455, 488, 515, 532, 561 and 640nm with power outputs up to 50mW at the end of the fiber. As a single-mode broadband fiber output version, the iFLEX-Viper provides an ideal multi-color point light source.
- LynX™ SiPM Module: Excelitas' LynX Silicon Photomultiplier Module is a compact, easy-to-use, analogue low-light-level detection ($L^3D$) module employing a leading-edge Silicon Photomultiplier (SiPM) chip in a hermetic TO-8 package with thermoelectric cooler, a stable voltage power supply circuit, and a low-noise transimpedance amplifier. In this compact, voltage-output module, the preamplifier gain is optimized to obtain maximum dynamic range and linearity with the SiPM at a pre-set operating voltage.
- HeliX™ SiAPD Module: The HeliX Silicon Avalanche Photodiode (APD) Module is a compact, easy-to-use, analogue $L^3D$ module employing Excelitas' leading-edge Si APD chips. The detector is in a hermetic TO-package, mounted on a practical OEM-based printed circuit board (PCB), which includes high-voltage power supply, temperature compensation, a low-noise transimpedance amplifier, APD bias monitor and micro-controller.

Company experts will be on site or available by phone in advance of the conference to provide updates on its solutions.

**WHEN:** Conference: June 23 – 26, 2019

**WHERE:** Vancouver Convention Centre, Vancouver, BC
Excelitas Booth #521

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**About Excelitas Technologies**
Excelitas Technologies® Corp. is a global technology leader focused on delivering innovative, high-performance, market-driven photonic solutions to meet the lighting, optronics, detection and optical technology needs of global customers. Serving a vast array of applications across biomedical, scientific, safety, security, consumer products, semiconductor, industrial manufacturing, defense and aerospace sectors, Excelitas Technologies stands committed to enabling our customers' success in their end-markets. Excelitas Technologies has approximately 6,700 employees in North America, Europe and Asia, serving customers across the world. Connect with Excelitas on Facebook, LinkedIn and Twitter.



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