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Caliper Life Sciences Launches Xenogen In Vivo Imaging System with Advanced Fluorescent Detection Capability. This flexible and advanced addition to the company's suite of in vivo imaging systems comprises the next generation of instrumentation in optical imaging. The IVIS Spectrum is the only in vivo optical imaging system that can perform high sensitivity bioluminescent imaging and advanced fluorescent imaging, including spectral unmixing, trans-illumination, and 3D tomographic capabilities. The company's non-invasive imaging systems enable scientists to better visualize, track and understand biological processes in living animals, in real time, at a molecular level. Illuminating biological processes allows real-time visual exploration and analysis of gene expression, cellular pathways, drug/target interactions and the mechanism of action of drugs. The Xenogen IVIS Spectrum will be available in Q1 2007. Caliper is currently taking orders for the product. For additional information, please contact: info@caliperLS.com or (877)-LabChip.

Navitar is pleased to unveil a **new series of large format imaging lenses** designed specifically for the line scan and large area sensor market. The **Raptar Pro** line was created in response to the increased demand for lenses that are compatible with larger-sized camera sensors for critical manufacturing and process applications. The first lens in the Raptar Pro series is the 1X Raptar Pro 86 mm. With a nominal magnification of 1.0X, the 86 mm high resolution large format lens can image on to sensors up to 90 mm with less than 0.1% distortion – resulting in superior sharpness and exceptional contrast at apertures ranging from F4-22. For more information about Navitar, Inc. and its innovative products, visit the company's web site at www.navitar.com or call 585.359.4000.

Thermo Electron Corporation was recently **awarded the North-Face ScoreBoard Award**, for a second consecutive year, in recognition for providing Excellence in Customer Service to its customers. The award presented to Thermo included two categories: Installation Service Representative and Field Service Engineer. The award program, now in its fifth year, rewards organizations that consistently exceed customer expectations and who offer exemplary service to their customers.



Thermo Electron Corporation announces the launch of a **new Rapid Mixing accessory**. Designed for use with Thermo's Evolution 300 UV-Vis spectrophotometer, the Rapid Mixing accessory offers scientists reliable and precise measurement of fast reaction kinetics. When coupled with Thermo's Evolution 300, the Rapid Mixing accessory allows scientists to make kinetic measurements nearly 1000 times faster than allowed by manual reagent mixing. With a data collection rate of 50 points per second, the Evolution 300 allows researchers of any discipline to measure reactions on a millisecond timescale giving researchers access to previously hidden reaction mechanisms. For more information about Thermo's Rapid Mixing accessory, please visit www.thermo.com/rapidmix or call +1 800-532-4752

Anami Communications, the information technology and consulting division of Cornet Technology, Inc., announced the availability of **Lab Track**. This software solution is a standalone product that unobtrusively tracks and records equipment usage in a laboratory environment. Through the software's easy-to-understand user interface, Lab Track gives lab managers complete, secure, and flexible access and control of any piece of lab equipment connected to a PC. Recorded data is stored in an internal database for reference, as needed, by lab administrators. The software is available in a trial version at www.cornet.com/Anami.

The Cooke Corporation announces a new and improved **pixelfly qe camera** with 1392x1024 pixels, high quantum efficiency of >65%, higher sensitivity with reduced noise of only 7e. Boasts almost 70dB dynamic range with a smaller footprint than before of 39 x 39 x 68mm. The camera is ideal for low light, high dynamic range applications requiring a small footprint camera with high reliability. Also announced was the new genera-

tion of electron multiplication CCD (emCCD) sensors is integrated into a sensicam camera system. With this on-chip multiplication of the light signal the readout noise of the camera can be neglected ($< 1 e^- \text{ rms @ gain } > 50$). With its excellent resolution of 1004 x 1002 pixel, this high performance cooled digital 12 bit CCD camera system is best suited for extreme low light camera applications. The system features thermo-electrical cooling of the image sensor (down to -45 °C vs. ambient) and an outstanding quantum efficiency (up to 65 %), which achieves a high spectral sensitivity in general and especially in the NIR. Exposure time modes (software selectable) range from 75 μ s - 1 h. A high speed serial data link connects the system to the PC (fiber optic link available). This low light camera system is very well suited for scientific imaging (e.g. microscopy, bio marker and label imaging) and for night vision. Contact Christine Haywood, The Cooke Corporation, Tel. (248) 276-8820 or see www.cookecorp.com

Nikon Instruments Inc. announced an exclusive new component for the Nikon C1 Confocal Microscope system that allows **Controlled Light Exposure Microscopy (CLEM)**. The control unit uses ultra-fast electronics to reduce specimen photo bleaching and photo toxicity while expanding the confocal unit's signal dynamic range.

Nikon Instruments Inc. announced a new solution for macro imaging applications for biomedical and industrial markets. The **Nikon AZ100 Multizoom microscope** is a macro/micro high performance microscope system that provides capabilities that don't currently exist with stereo zoom microscopes and compound high magnification microscopes.

Nikon Instruments Inc. announced the new **Eclipse E100 Educational Microscope**. The Eclipse E100 is an infinity corrected microscope with a small footprint to fit within tight storage cabinet space.

Nikon Instruments Inc. announces the debut of the next generation of the FN1 microscope for neuroscience and electrophysiology applications. The **Nikon FN1 Multipatch upright focusing nosepiece microscope system** is a special purpose configuration that takes advantage of the unique properties of the "One Lens Solution" CFI75 16X water dipping objective.

Nikon Instruments Inc. announced significant enhancements to its newest generation confocal microscope, the **Nikon LiveScan Swept Field Confocal Microscope (SFC)**.

Visit www.nikonusa.com for more information on any of these products.

Ted Pella, Inc. has launched a new microwave tissue processor: The **PELCO BioWave Pro**. The new PELCO BioWave Pro represents the next level of microwave tissue processing, a technology which has been pioneered by Ted Pella, Inc. over the last decade. True variable wattage settings and the patented PELCO ColdSpot are now complemented with a new touch screen operation system, adding a new level of precise and extensive control needed for consistent quality tissue processing results. The system is loaded with a range of new features like self-calibrated wattage control, continuous power over the effective power range, integrated stirrer, remote process monitoring and protocol programming. A complete line of options and accessories is available for the PELCO BioWave Pro. Specific application kits have been configured to optimize EM Tissue Processing, Immunolabeling, Fixation/Decalcification, Paraffin processing and Confocal In Situ labeling. Contact: Jack Vermeulen at 1-530-243-2200 ext 205 or www.tedpella.com



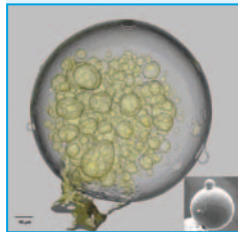
Infinitesima Ltd., manufacturer of the VideoAFM, announces the addition of a large sample capability to video-rate imaging. The **VideoAFM** produces real-time images at the nanometer resolution at 25 frames-per-second. The new capability allows AFM users to image a wider range of samples which are more familiar to AFM operation. The VideoAFM is the first commercially available Atomic Force Microscope that is capable of delivering real-time images at video frame rates. Imaging 1000 times

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faster than conventional AFM's, the VideoAFM allows users to visualize and interact with chemical or biological processes, at the molecular level, in real time. The VideoAFM supplies up to 25 images per second with full resolution and is part of the High-speedAFM(TM) family of instruments from Infinitesima. For further information: Infinitesima Ltd., www.infinitesima.com, tel: +44 1865 811 171

BioVision Technologies is pleased to announce that it has **acquired the software code, distribution rights, and specific assets related to IPLab for Macintosh®** from BD BioSciences of Rockville, Maryland. The acquisition will have no impact on licensing rights as we continue to support existing IPLab Macintosh® customers, and has no impact on IPLab for Windows ownership or distribution, which remains owned by BD. There will be no immediate changes to the IPLab for Macintosh® product line, which is being renamed "iVision-Mac™". As in the past, any future changes to iVision-Mac will be communicated as warranted. For all inquiries: Please go to <http://www.biovis.com/bodies/Contact.html> for additional information.

Gatan Inc. recently launched a new addition to its range of imaging products for the SEM: the **XuM**. Originally developed by CSIRO and XRT Limited in Australia, the XuM utilises a scanning electron microscope (SEM) as a host instrument to enable x-ray imaging of the internal structure of objects with resolutions down to less than 100nm. X-ray images generated in the XuM take advantage of both absorption and phase contrast to reveal fine structure and edge definition in a wide range of sample materials from semiconductor devices to low density polymer composites and biological specimens. Using the XuM, the ability to perform 2D and full 3D tomography means that complex internal structures can be



explored without ever needing to cross-section the sample. Visit www.gatan.com for more information.

Leica Microsystems Inc. presents the newest version **Leica CM1850 UV Cryostat**, the first cryostat designed with AgProtect™, Leica's new, patented antimicrobial silver (Ag) ion coating. The Leica CM1850 UV with AgProtect™ provides outstanding protection to laboratory users by reducing exposure to airborne and surface pathogens while also providing the highest quality sections.

Leica Microsystems, Inc. New! Leica Microsystems announces the availability of the new **Leica AM TIRF system**. The Leica AM TIRF System combines superior fluorescence imaging performance, high sensitivity, and an optimum signal-to-noise ratio to ensure accurate results for all examinations of close-to-membrane structures.

Leica Microsystems Launches **Network Imaging Solution for Histopathologists** As the ability to diagnose disease through new histopathology technologies improves, the number of tissue sections a histopathologist needs to analyze each day increases. Leica Microsystems has designed a new network imaging solution that addresses not only the growing workload in today's busy histopathology laboratory but also the need to quickly share data. The Leica DMD108 offers an innovative solution for histopathologists that increases physical comfort and provides an easy-to-use network solution for sharing data. Visit www.leica-microsystems.com for more information.

Olympus has introduced the **Fluoview FV1000-MPE multiphoton laser scanning microscope system*** for deep observation and imaging of living or thickly sliced specimens. Neuroscientists and cell biologists can use the system to image dynamic processes up to several hundred microns deep in living cells and tissues without inflicting significant photo-damage to specimens. The system is particularly useful for repeated, long-range or time-lapse exposures, and any application that requires deep imaging and/or extensive fluorescence excitation.

Olympus now offers the first laser scanning confocal system that includes the ability to create and control evanescent wave fields for fluores-

cence via Total Internal Reflection Fluorescence (TIRF) illumination. The **Olympus Fluoview FV1000-EVA** module adds computer control of the excitation laser light at or beyond the critical angle for TIRF and evanescent wave excitation. By combining the flexibility of a traditional laser scanning system with TIRF capabilities, the Olympus FV1000-EVA offers unparalleled system flexibility. visit www.olympusamerica.com/microscopes.

Omega Optical is launching **QuantaMAX™**, a new product line of durable, environmentally stable, high signal-to-noise filter sets, at the Society for Neuroscience's annual conference in Atlanta on October 14-18. The initial product line includes five high throughput sets and is the latest in a long line of microscopy filter set innovations from Omega. Features include durable surface coatings, environmental stability, high signal-to-noise, zero pixel shift, and an industry unique five year warranty. For a listing of QuantaMAX filter sets click on the Microscopy Product link on Omega Optical's website at www.omegafilters.com.

FEI Company and **Malvern Instruments Ltd** (Malvern, UK) have **entered into a joint development and marketing program** for advanced nanoparticle analysis utilizing Malvern's particle image analysis software on FEI's line of Quanta(tm) scanning electron microscopes (SEMs). The combination delivers a powerful particle analysis solution that extends current analysis technologies for nano-sized particles. Contact: Dan Zenka, +1 503.726.2695 dzenka@feico.com.

Madison, WI, August 31, 2006: **Imago Scientific Instrument Corporation** announces the **sale and installation of its Laser Pulse Module™ upgrade** at the University of North Texas' Materials Science and Engineering Group. UNT purchased the original LEAP 3000™ atom probe microscope from Imago in 2005. The LEAP 3000X microscope enables 3D structural and elemental composition of specimens with sub-nanometer resolution. Contact: Jay Roberts, +01.608.274.6880, www.imago.com

The new image capture software **CapturePro 2.1 for ProgRes® microscope cameras** by **JENOPTIK Laser, Optik, Systeme GmbH** comes with extended measurement functionality, optimized time-lapse image capturing and even more comfortable handling. The new software now offers more measurement functions. It is possible to conduct an unlimited number of measurements such as line, ellipse, angle, rectangle, polygon and freeform in both the live and the captured image. Font, size and color are freely definable. Measurements and results will be stored in a separate layer ("overlay") which is assigned to the individual image and therefore reproducible. If required, this layer may also be drawn directly into the image. Of course the measurement data is ready for export into analysis software. The way of setting up time-lapse experiments now guarantees an even more efficient workflow. Single images as well as video sequences may be recorded as fast as possible or with fixed intervals, also with a delay time. Time-stamp protocol files provide an easy follow-up of the captured sequences. With these improvements ProgRes® cameras now achieve even higher frame rates for capturing image sequences or videos. Contact: JENOPTIK Laser, Optik, Systeme GmbH Phone: +49 3641 65-2138 www.progres-camera.com

ABREVVITY, Inc. announced general availability of its **version 2.1 FileData Classifier(TM)** software which includes advanced pattern recognition and metadata extraction technology for Information Lifecycle Security (ILS). ABREVVITY is the first to deploy, at actual customer sites, a "complete" ILS solution that solves the problem of discovery, extraction, classification and management for security-related non-public information (NPI). ABREVVITY's version 2.1 FileData Classifier application rides on top of its SLICEbase engine and now includes advanced pattern recognition, "target-based" data mining, heuristic proximity searching and other patent-pending features that allow for fast, accurate and affordable Information Lifecycle Security, Information Lifecycle Management (ILM), compliance archiving, data grooming for backup & DR, legal discovery and laboratory instrument file management. ABREVVITY contacts: Eric Madison, 408 996 0111, eric@abrevity.com