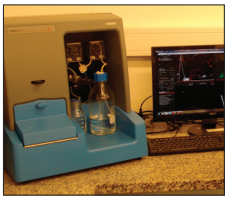
IndustryNews

Olympus Adds New Features to Stream Micro-Imaging Software

Olympus Stream allows users to seamlessly acquire, process, and measure images, then create valuable data and reports. With the release of Stream 1.9, Olympus introduces users to a host of new software features designed to further enhance workflow and allow simple, flexible system operation. Of significant importance to the new Stream system are two new materials solution features, Automatic Measurement and Coating Thickness, which facilitates imaging and processing.

Olympus America
olympus-ims.com/en/microscope/stream

The Polish Academy of Science in Warsaw Uses Nanoparticle Tracking Analysis to Characterize Inorganic Nanopowders and Colloids



Proper characterization of nanostructure of powders is the key stage for the process. The institute makes several measurements including nanopowder morphology, density, specific surface area, phase composition, and crystalite size, all of which are made on dry powder samples. For the past two years, the institute has used both NTA and DLS. However, when making colloidal studies, NTA has a distinct advantage.

NanoSight Limited
www.nanosight.com

Virtual Microscope Images Just a Touch Away with Olympus OlyVIA® Mobile iPad® App

OLYMPUS

Researchers and educators who use images captured in the Olympus virtual slide format will soon be able to gain access to their entire library of virtual microscope images from anywhere in the world with a mere tap of the finger, thanks to the new OlyVIA Mobile iPad App, a free download from the Apple Store/iTunes®. The app is designed for use with images captured with Olympus imaging systems.

Olympus America Inc., Scientific Equipment Group
www.olympusamerica.com

New Poseidon E-chips

Protochips is pleased to announce the release of over ten new E-chips for the Poseidon 200 *in-situ* system. The new chips have been optimized to increase consistency and performance of *in-situ* experiments. In addition to performance increases, there are several new geometries to provide a larger viewing area, more options to control liquid thickness, and increased ease of use. The new parts will be released with a new selection guide being e-mailed to all customers.

Protochips, Inc
www.protochips.com

Pfeiffer Vacuum Introduces a New, Comprehensive Catalog: *The Vacuum Technology Book*

Pfeiffer Vacuum, a provider of vacuum solutions, announces the new *Vacuum Technology Book*,Volume II. This catalog represents the entire range of products offered by Pfeiffer Vacuum and serves as an expert adviser on the subject of vacuum. The complete book is in five volumes that not only offers a detailed overview of the products, but also offers comprehensive insight into the world of vacuum solutions by Pfeiffer Vacuum.

Pfeiffer Vacuum, Inc.
www.pfeiffer-vacuum.com

Quantum Materials Produces Tetrapod Quantum Dots to Improve Diagnostic Accuracy of Biomedical Assays and Devices

Quantum Materials has provided Tetrapod Quantum Dots to an advanced medical device manufacturer to optimize performance of an "engineered spectrum" quantum dot-enabled light source to better provide useful data to researchers and practitioners that has not been easily discernible until now. As part of this effort, Quantum Materials is developing a suitable TQD film for medical devices while maintaining consistency in both uniformity and scalability.

Quantum Materials Corp.
www.QMCdots.com

Leica SR GSD 3D Super-Resolution Microscope Voted Among Top 10 Innovations 2013 for Laboratories and Research

The Leica SR GSD 3D super-resolution microscope has been voted third among the Top 10 Innovations 2013 by the magazine *The Scientist*. The panel of judges, consisting of representatives from science, business, and the non-profit sector, selected the super-resolution system for 3D localization microscopy from more than 80 entries as one of the most innovative products with the potential to revolutionize life sciences.

Leica Microsystems GmbH
www.leica-microsystems.com

Bioaxial Secures New Funding to Finanace its Fluorescence Microscopy Instruments

Bioaxial, developers of super-resolved fluorescence microscopy for the extended imaging of live cells, announced USD 2.7 million equity investment by three new large investors: Amorcage Technologique Investissement, Inserm Transfert Initiative, and Viveris Management, plus a range of individual investors. This capital, from specialized funds for seed investment, will back the commercial launch of Bioaxial's first product, an optical microscopy module, which is expected in the second half of 2014.

Bioaxial
www.bioaxial.com

Media Cybernetics® Releases the All New Image-Pro® Premier 9.1 Image Analysis Software

Media Cybernetics announces the release of Image-Pro Premier 9.1 image analysis software designed for scientific and industrial image processing. This new version provides tools to capture, process, measure, share, visualize, and compare images. New life science features include colocalization of multiple fluorescent images or channels; learning classification of tissues or cells using multiple parameters for pathologists; automated wound healing analysis; and ring analysis for otoliths, scales, and trees.

Media Cybernetics
www.mediacy.com/index.aspx?page=IP_Premier_9_1

Datacolor to Preview First-of-its-Kind Color Calibration System for Microscopy

Datacolor® announced ChromaCal™, a first-of-its-kind color calibration system for microscopy. Datacolor ChromaCal standardizes color in digital images produced through optical microscopes to ensure consistent and reliable color reproduction. This integrated system includes proprietary software to calibrate images, an innovative color calibration slide to ensure a consistent color baseline, as well as a calibration sensor that establishes color consistency among monitors. Datacolor ChromaCal is available for sale starting first quarter of 2014.

Datacolor
www.datacolor.com/chromacal

Curie-Cancer and Strand Scientific Intelligence Launch Curie Image Database

Curie-Cancer and Strand Scientific Intelligence, Inc. announced the launch of the Curie Image Database (CID), an image analysis and management platform that they developed jointly over the last two years. CID now enables scientists at Institut Curie and ten other collaborating institutions across Europe to effectively manage heterogeneous imaging data and complex analysis workflows. CID provides shared, secure, and open access to image life cycle data as well as image analysis algorithms.

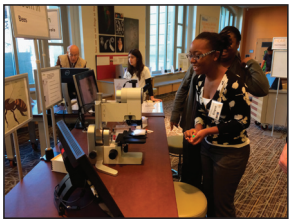
Institut Curie and Strand Scientific Intelligence, Inc.
www.curie.fr

XEI Scientific Appoints ICMAS, Inc. as Distributors for the Southeast USA

XEI Scientific Inc., has appointed the ICMAS organization to be the distributing sales channel for their decontamination products in the Southeast USA. ICMAS is a representative organization providing sales and marketing for a select group of science- and technology-based companies. ICMAS serves the research and development community at Fortune 500 companies, major universities, and government laboratories, focusing on engineering, natural sciences, and semiconductor markets.

XEI Scientific, Inc.
www.evactron.com and www.icmas.com

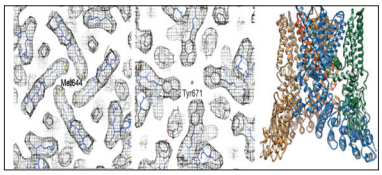
Olympus and the Smithsonian Team Up for an Educational-Scientific Experience



Olympus has partnered with the Smithsonian to create Q?rius (pronounced "curious"), a 10,000-square-foot, first-of-its-kind learning center based at the Smithsonian's National Museum of Natural History (NMNH) in Washington D.C. Olympus has donated more than 50 fully loaded, professional, scientific microscope imaging systems that enable visitors to study more than 6,000 authentic artifacts, engage in scientific inquiry, and partake in the online continuation of experiments through digital field books.

Olympus America Inc.
www.olympusamerica.com

3D Structure of Heat and Pain Receptor Solved to Near-Atomic Resolution Using Gatan K2 Summit



In a recent article in *Nature*, (Liao et. al.), researchers report that they have solved the 3D structure of the TRPV1 ion channel to a near-atomic resolution (3.4 Angstroms) using cryo electron microscopy (cryo-EM), employing a Gatan K2 Summit™ electron counting camera. This marks the first time that the detailed structure of a member of the large and diverse TRP channel family has been solved.

Gatan, Inc.
www.gatan.com/products/digital_imaging/products/K2/index.php

TESCAN USA Inc., Appoints Vice-President to Board of Directors

TESCAN USA has named Jeffrey Streger, vice president of sales and marketing, North America, to their board of directors. Jeff has over 25 years' experience in charged particle technologies. Jeff has been with TESCAN USA Inc. since 2011 and has been instrumental in the company's rapid sales growth and penetration in the North American market. TESCAN USA looks forward to his continued leadership and contribution to the success of the company.

TESCAN USA
www.tescan-usa.com

The Mayo Clinic Uses Nanoparticle Tracking Analysis to Study the Behavior of Exosomes and Microvesicles

A main research area of the Gores Laboratory at the Mayo Clinic is liver lipotoxicity and its role in the development of nonalcoholic steatohepatitis. The group has developed the hypothesis that lipotoxicity induces the release of extracellular vesicles (exosomes and microvesicles) from the liver cells. They speculate that these extracellular vesicles are involved in immune cell recruitment and activation, resulting in liver inflammation.

NanoSight Limited
www.nanosight.com