Bio-Rad Cell Science Division introduces Spectral Re-assignment Software for Confocal Imaging Introducing Spectral Reassignment software as an option for CellMap confocal systems. Expanding the Cell Science product portfolio are the latest confocal systems **CellMapT ID** and **CellMapT IC** - the first two models in a new family of products designed to produce high quality confocal images at an affordable price for individual laboratories. Unique in its fast sequential scanning image acquisition and based exclusively on solid state lasers, CellMap is perfect for individuals who want dual colour imaging. CellMap ID is designed to image blue and green fluorophores and the CellMap IC is designed for imaging green and red fluorophores. Due to CellMap's innovative design, users can image up to three fluorophores using only two laser sources and one detector. These two systems enable users to choose equipment purposely developed for their needs and offer a wealth of features to improve speed, ease and quality of their research. Spectral Reassignment may be used in cases of bleed-through or where the use of overlapping fluorophores cannot be avoided. Although not required for routine use with the CellMap, it offers the option of collecting and separating more than 2 fluorophores. With CellMap ID, DAPI, FTIC and TRITC can be collected and FTIC and TRITC separated using this software. With the CellMap IC, two red fluorophores such as Propidium Iodide and TRITC can be used along with FITC, and the software will separate the two red fluorophores. Example images are available.

Combining afm with confocal microscopy in biological applications **Bio-Rad** Application Note 35 describes applications in which AFM is used with a **Radiance confocal system**. The combination of Atomic Force Microscopy (AFM) and confocal microscopy is increasingly used to study various biological phenomena. Three applications that use AFM and a Bio-Rad RadianceT Confocal Laser Scanning Microscopy system are described in an application note published by Bio-Rad. Examples include topographic and material property analysis of living cells, measuring binding forces and mapping cellular distribution of single receptors interacting with cognate ligands. AFM applications in biology to date can be divided into four broad categories: imaging, material property measurements, biophysics, and micromanipulation studies. Now, the use of AFM in conjunction with confocal microscopy to study the effects of AFM stimulus on living cells is described in Bio-Rad's Application Note 35, which is available free of charge. The Radiance2100 confocal and multi-photon system is available exclusively from Bio-Rad Cell Science Division. For further information visit www.cellscience.bio-rad.com or contact Bio-Rad Cell Science Division at Bio-Rad House, Maylands Avenue, Hemel Hempstead, Hertfordshire, HP2 7TD, UK, Tel. +44 (0) 20 8328 2000. For further information please contact: John Waite, Catalyst Communications, T: +44 (0) 20 7932 2500 E: john.waite@catalystpr.com

iXon DV885 with EMCCD technology, **Andor Technology**, are releasing the latest addition to the iXon imaging CCD range. The iXon DV885 offers the ultimate solution to live cell imaging with 8 x 8µm pixels for sharp intracellular resolution. The latest iXon CCD, DV885, provides a 1K x 1K sensor format for large field of view and offers 10MHz and 35MHz pixel readout options enabling >30 full frames /sec for imaging rapid live cell dynamics. Faster frame rates are also possible with sub-array/binning. The DV885 guarantees high Quantum Efficiency response over a broad wavelength range with 'Virtual Phase' technology, making it highly suited to a wide range of fluorophores. The iXon range of CCD's offers a wide range of benefits including Andor's guaranteed hermetic vacuum seal and unparalleled thermo-electric cooling performance to -80 °C for minimal darkcurrent – essential for the ultimate in EMCCD performance. Andor's unique hermetic vacuum seal means that no O-rings or inert gas are required. This technology, guaranteed for 5 years, enables a single AR coated window design, eliminating the requirement for a double window. It also ensures no icing or moisture and guarantees sensor QE and cooling performance year after year. For more information, please contact :- Emma McClintock, Andor Technology Ltd., E-mail: e.mcclintock@andor-tech.com, Voice: +44 28 9023 7126

LW Scientific, Inc. announces Unlimited Centrifugation Options – With the Ultra, The LW Scientific **Ultra centrifuge** is available in two more models – **Fixed Speed (U8F)**, for spinning only blood at 3,300 rpm's and **Variable Speed (U8V)** for spinning various fluids. This sturdy 8-place unit, with a unique triangle design to eliminate vibration, is an all-metal, one-piece design. The clear locking lid allows for easy view of samples or for using a hand held tachometer for precise speed calibration. This unit is also available with a built-in digital tachometer (U8T) or with pre-set speeds (U8S) for spinning specific fluids. LW Scientific, Inc. is an American-owned, ISO-9001 certified manufacturer of laboratory microscopes, centrifuges and other laboratory equipment. For more information, log on to: www.lwscientific.com or 1-800-726-7345.

Molecular Imaging, Corp. today announced **PicoTREC™**, a *T*opography and *REC*ognition imaging system. PicoTREC combines real-time detection of molecular recognition events and single-molecule sensitivity with the imaging capability of the Atomic Force Microscope (AFM). PicoTREC is a powerful tool for the life sciences, biophysics, materials and polymer sciences, nanotechnology, or any field where it is useful to study molecular interactions in real-time. It can be used to image and map binding sites, study biological processes, or probe nanometer-scale areas on a variety of surfaces. Check out our NEW web site at www.molec.com

JEOL USA, Inc., a leading supplier of electron microscopes and analytical instruments, is pleased to announce the appointment of **Dr. Thomas Isabell** to the position of Assistant Product Manager for the company's broad product line of transmission electron microscopes (TEMs). Dr. Isabell has more than seven years of experience in the electron microscopy field, including business development, applications support, and design and development of specimen preparation equipment for electron microscopy. Prior to joining JEOL, he was business development manager at EmiSpec in Tempe, Arizona and specialized in applications support at Fischione Instruments in Export, Pennsylvania. He received a Ph.D. in Materials Science and Engineering from Northwestern University, and a B.S. in Materials Science and Engineering from the University of Minnesota. At JEOL, Tom will provide software integration support for an entirely new generation of TEM technology.

LW Scientific is proud to introduce the latest addition to its line of stereoscope illuminators, the **LED Ring Light**. Long thumb screws and mounting rings, ranging from 35mm to 59mm, make this light mountable on nearly any model of stereoscope. The LED Ring Light combines the near intensity of fiber optics but with the affordability of many fluorescent models. 36 white LED bulbs, rated for 10,000 hours of life, create intense, focused, shadow-free illumination for the demanding inspection technician.

Digilab, LLC and Infrared Fiber Systems, Inc. announce today **a long-term distribution agreement for a novel portable NIR AOTF spectrometer** for material identification and quality control applications. Digilab will utilize its distribution channels to market, sell, and service the Infrared Fiber Systems AOTF NIR spectrometers in the Americas, Europe, and other selected regions and countries throughout the world. The NIR AOTF product is a compact, versatile, and rapid molecular detection and analysis system which supports customer needs for bringing molecular spectroscopy to the sample vs. the sample to a laboratory.