Confocal Laser Scanning Microscopes
The Olympus FLUOVIEW FV3000 and FV3000RS confocal laser scanning microscopes combine high-performance imaging capabilities with ease of use, so researchers can collect publication-quality imaging data quickly and efficiently. Available as a hybrid system, the FV3000RS is equipped with both a galvanometer scanner and an extremely accurate resonant scanner that can capture dynamic physiological events at up to 438 frames per second. TruSpectral technology is featured on every detector, providing the flexibility of spectral imaging while maintaining efficient light transmission for excellent sensitivity. Built for fast, stable, and accurate measurements of biological reactions within living cells or tissues, these microscopes allow even novice users to generate superior data and images.

Olympus
For info: 704-877-8801

Cell Analyzer
With the Muse Cell Analyzer, you can now achieve highly quantitative results at a fraction of the price, effort, and time. It is a compact [footprint of only 8 in. x 10 in. (20 cm x 25 cm)], easy-to-use benchtop device, making flow cytometry accessible to anyone, anytime. A user-friendly, integrated touchscreen interface, intuitive software for data acquisition and analysis, and optimized Muse assays help to simplify your research. The Muse's microcapillary flow cell is engineered for acquisition of both suspension and adherent cells of 2 μm-60 μm in diameter. It uses fluorescent reagents and detection to measure three parameters for every cell, with little or no sample preparation required. Muse assays are available for precision cell counts as well as single-cell measurement of critical cell parameters, including viability, apoptosis, autophagy, oxidative stress, and cell signaling.

EMD Millipore
For info: 800-645-5476
www.emdmillipore.com

AAV Biosensors
AMS Biotechnology's adeno-associated virus (AAV) biosensor products come as ready-to-use AAV viruses. The viruses encode your chosen biosensor, either calcium or glutamate, and are ready for in vivo injection. Biosensors are genetically engineered fluorescent proteins attached to an additional protein sequence that makes them sensitive to small biomolecules (e.g., Ca2+) or other intracellular processes. These biosensors are introduced to cells, tissues, or organisms to detect changes through fluorescence microscopy. Many biosensors permit long-term imaging and can be engineered to specifically target cellular compartments or organelles. Additionally, biosensors permit signaling pathway exploration or allow the measurement of a biomolecule—they do all this while preserving both spatial and temporal cellular processes.

AMS Biotechnology
For info: +44-(0)-1235-828200

Automated Microscope
The Lionheart FX Automated Microscope is a compact, inclusive microscopy system for a broad range of imaging workflows. It offers up to 100X air- and oil-immersion magnification, with fluorescence, brightfield, and phase-contrast channels for maximum application reach. An optional environmental-control cover provides incubation to 40°C and effective containment for CO2/O2 control; a humidity chamber optimizes conditions for long-term, live-cell imaging applications; and an available dual reagent injector facilitates rapid kinetic assays. Automated image preprocessing optimizes images for downstream analysis, from cell counting to characterization of subcellular details. The filter/LED cubes and objectives are accessed from the front panel, and tool-free connections for injectors, gas control, and the environmental cover add to the easy installation, which takes only 15 minutes. Its small size means that minimal benchtop space is used.

BioTek
For info: 888-451-5171
www.biotek.com