Operetta High Content Screening System (PerkinElmer)

Operetta is a high throughput fluorescent\confocal scanning microscope with these features:
1. Fast scanning of samples on a slide or on a multi well plate
2. Eight filter excitation wheel for maximum coverage of excitation dyes
3. A 14bit CCD camera for high detection sensitivity
4. Environmental control unit for live cell imaging
5. Self learning algorithm for fast and easy data analysis

Key of application:
• Apoptosis
• Cell Cycle
• Cell Differentiation
• Cell Migration
• Cell Proliferation
• Cell Shape Changes
• Cytoskeletal Rearrangement
• Cytotoxicity
• Fluorescence in situ hybridization (FISH)
• Lipid Droplet Analysis
• Neurite Outgrowth
• Protein Expression
• Receptor Activation
• RNAi Screening
• Signaling Pathway Analysis
• Transcription Factor