

## Clinical Immunophenotyping by Laser Scanning Cytometry

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Dr. Clatch is Chairman of Pathology and Medical Director of the Laboratory at Northwestern Lake Forest Hospital in Illinois. He is board-certified in anatomic, clinical, and hematopathology. His MD and PhD degrees were earned at Northwestern University Medical School in Chicago, and his residency and fellowship training in pathology was done at Washington University Barnes Hospital in St. Louis. He was the second beta evaluator of the original laser scanning cytometer developed by CompuCyte Corporation, working closely with Dr. Kamensky and others at CompuCyte to refine the original instrumentation and software, and subsequently developed a method for laser scanning cytometric immunophenotyping with significant advantages over flow cytometry.

### **Abstract**

Dr. Clatch will present the method he developed for immunophenotyping by laser scanning cytometry and will describe his experience using this technique clinically and commercially for the past twenty years. During this time Dr. Clatch has analyzed approximately 20,000 patient specimens. Comparison between laser scanning cytometry and other methods will be discussed, with suggestions for the direction of future development efforts.