

Track 2 Workshop: Advanced Cell Cycle Analysis

Presenter: James W. Jacobberger, PhD, Professor of Oncology, Case Western Reserve University, and Director, Cell Analysis Core, Case Comprehensive Cancer Center, Cleveland OH



Since 1985, James Jacobberger has been on the faculty of Case Western Reserve University where he is now Professor of General Medical Sciences (Oncology), and Associate Director for Shared Resources and Director of the Cytometry and Imaging Microscopy Core of the Case Comprehensive Cancer Center. He has specialized in cytometry as a scientific discipline from his doctoral studies at the University of Rochester onwards, currently focusing on cell signaling and cell cycle processes viewed from a systems orientation. Current research is centered in two enterprises—multi-variate cell cycle analysis and modeling, and leukemia cell signaling—with a long-range goal of creating an analytical system, preferably within a clinical pathology or basic cell biology setting, in which the measurements made at the cytometer are interactively interrogated by the investigator and a computer program with mathematical models of cell biochemistry and integrated systems simulations running underneath.