



T T P L A B T E C H

The Rapid Development and Implementation of High Content, High Throughput Cell-based Function Assays

co-presented by Dr Sarah Payne (TTP LabTech) and Dr Peter Lockey (Argenta Discovery)

TTP LabTech's Acumen microplate cytometer has proven particularly useful in developing a variety of high content cell-based assays for use in Argenta Discovery's secondary profiling for contract and internal research programmes. Argenta Discovery routinely run high content functional assays, against many targets and over a range of therapeutic areas, using this platform. These assays are aimed at confirming the mechanism of compound action, in a more physiological cellular setting and include cell cycle profiling, apoptosis detection and cell viability analysis. This workshop will give an overview of the Acumen ^eX3 technology and the unique ability of this instrument to analyse High Content assays at throughputs consistent with primary/secondary screening campaigns. Dr Peter Lockey will discuss how Argenta Discovery has used Acumen ^eX3 in the development of a portfolio of functional cell-based assays, with a focus on the range of cellular and toxicology assays that are being run as part of Argenta's oncology research program.