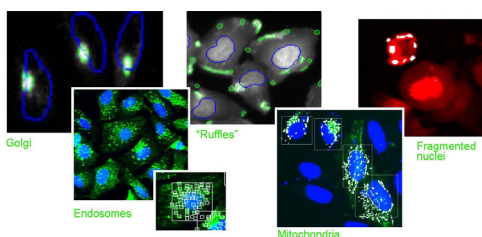


A recently synthesized chemical library is available at Molecular Discovery Systems (MDSystems) for High-Content Screening (HCS). High-throughput screening (HTS) of chemical libraries is widely regarded as the most efficient and cost effective approach to finding hits in early drug discovery. In light of the success of HTS in drug discovery, this technology has recently been developed to include high-content imaging and analysis. By providing access to pathways and phenotypic screening, HCS permits identification of modulators of a multitude of intractable molecular and cellular targets. A substantial collection of recently synthesized molecules is available at MDSystems for HCS-mediated identification of new bio-active molecules. These molecules are based on novel complex scaffolds that have been selected for drug-like properties. By permitting analysis of complex cellular properties, the InCell Analyser 1000 at MDSystems is ideally suited for screening of the chemical libraries for new pharmaceutical leads.

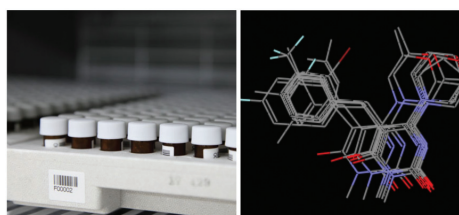
High-Content Analysis

Customised quantitation



Software algorithms are designed to obtain measurements of diverse subcellular structures.

Chemical Libraries



Collections of novel and drug-like chemicals for high-throughput screening of diverse cellular targets.



InCell Analyser 1000

For further information

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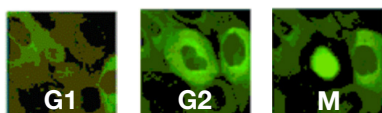
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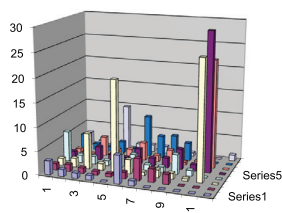


High-throughput Screening

Identification of new bio-actives

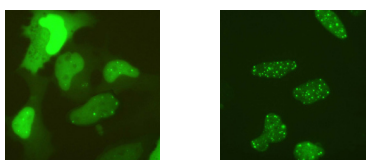


Identification of new drug leads by measurement of a fluorescent cell cycle signal.



Assay Development

Live imaging of fluorescent markers



DMSO

MG132

A fluorescent marker of the Ubiquitin Proteasome System allows measurement of proteasome inhibition in live cells.