



Monday
October 7, 2013
9:00 AM - 4:00 PM
Sheraton Bucks County Hotel

Instructors:



Mark Hayward
Revlon



Ken Lewis
OpAns

Targeted Metabolomics: The Art & Science of Measuring Drug Efficacy

Efforts in translational and diagnostic medicine frequently require quantitative measurement of small endogenous molecules to assess the need for and/or efficacy of treatment. These measurements often start to be employed in early disease biology research for proof of concept purposes and some ultimately evolve into tools to provide data for routine physician decision making. More recently, great interest has risen in the use of chromatographic separations with a variety of detectors (particularly mass spectrometry) to make these measurements and expand the range of molecules that can be measured. These measurements are increasingly being employed across the need space from basic biology to patients and the business of making these measurements is rapidly growing.

In this course, chromatographic separation and measurement with most of the common detectors will be described as applied to the full range of need space (research to patient). While a variety of separation and detection approaches will be discussed, there will be a particular focus on liquid chromatography and mass spectrometry (LC-MS). The emphasis will be on the lab work including achieving the needed separation and sensitivity in the measurement as well as streamlining speed and efficiency of methods and overall lab operations. An open and interactive environment will be encouraged so all participants learn more about what works well and how to be effective.

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