Advanced LC-MS/MS Quantitation Training Class Agenda

Day 1:   9:30 a.m. – 5:00 p.m.*

- Welcome
- Lecture: Triple Quadrupole Theory – Sample Introduction, Ion Production, Ion Transfer, Quadrupole Theory
- Lecture: Effect of Solvent on Ionization – Additives, Flow Rates, Splitting
- Lecture: Converting Methods between different SCIEX instruments
- Lecture: Building a Robust and Reliable LC/MS/ methods
- Lab (interactive): Manual PPG Tuning and Mass Calibration – the Effect of Offset, DAC Values, and Ion Energies

Day 2:   9:30 a.m. – 5:00 p.m.*
- Questioner (interactive): Review of Day 1
- Lab (interactive): Analyst® Software Tune Mode: Tricky Compound Optimization
- Lab (interactive): Analyst® Software Tune Mode: How to Optimize a Compound with the APCI source – Manual vs. Automated Optimization
- Lab: Analyst® Software Acquire Mode: Writing sMRM Methods
- Lecture (interactive): Possible Causes of Instrument Failure, Identifying Possible Causes of Inadequate Data, Determining Matrix Effects
- Questioner (interactive): Troubleshooting the Instrument

Day 3:   9:30 a.m. – 3:30 p.m.*
- Lab (interactive): Active Troubleshooting at the Training Instrument
- Lab (interactive): Setting up the Experiment to Determine the Matrix Effect
- Lecture (interactive): Analyst® Software Quantitate Mode: Explaining the Different Integration Algorithms and their Parameters (Analyst Classic, IQAII and MQIII), Using Advanced Features (Query, Metric Plot, Sorting, Analyte Groups, Script Export Quant Method to TXTFile and Reverse)
- Certificates and Evaluations

*end time on last day of class is approximate and may vary.