

**Innovation for Improving Performance and Throughput in LC/MS Analyses – or  
“How did They Do That???”**

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Recognizing the Pharmaceutical Industry’s need to get better performance and more throughput from their analytical instrumentation, Agilent Technologies has focused on developing instrumentation and solutions that deliver “All the Performance, All the Time”. This presentation will cover a variety of recent innovations from Agilent that have made HPLC and LC/MS more powerful, rugged and routine in the pharmaceutical laboratory. *But this presentation will go beyond chromatograms and TICs – what engineering piece makes this work? How does this actually happen?* Topics will include HPLC – Chip technology to make nanospray easy to use, source technology that brings API – MS closer to being a universal detector, and instrument design that makes better than 2 ppm mass accuracy routine. Other innovations include being able to produce quadrupole instruments that can scan fast enough for small particle size column chromatography while still delivering adequate spectral quality and sensitivity, and new approaches in MS technology that make getting accurate mass on MS/MS fragments routine even in fast chromatography applications as well as providing high sensitivity in traditional triple quadrupole instrumentation. Join us as we show how Engineering & Science come together in the World of LC/MS!