

Waters Seminar: Transforming Translational Research through Advanced Analytical Technology

Monday, 16th March 2026 – 10:00am – 12:00pm

University of QLD, Centre for Advanced Imaging
Seminar room (207), Building 57, St Lucia



Featured Speaker
Lee Gethings, Ph.D
Consulting Scientist
Waters Corporation

Register Now:



Discover how advanced mass spectrometry technologies are reshaping translational research.

In the first talk, Dr. Lee Gethings will demonstrate how researchers can achieve targeted MS imaging using DESI XS coupled with the Xevo™ TQ Absolute XR, enabling sensitive, selective, and rapid molecular visualisation directly from surfaces. When paired with an ACQUITY™ UPLC System, the Xevo™ TQ Absolute XR delivers ultra-low limits of quantitation, even for challenging negative ionising compounds, with robust and reliable performance.

In the second talk, explore how multi-reflecting time-of-flight mass spectrometry redefines discovery across diverse fields—from the intricacies of single-cell biology to the rigors of food safety and regenerative medicine. Dr. Gethings will demonstrate how the Xevo™ MRT delivers ultra-high mass resolution and precision without compromising the throughput required for large-scale research.

Learn how these breakthroughs are accelerating the transition of laboratory findings into real-world translational applications.

Time	Topic
10:00 am	Registration & Welcome
10:10 am	Advanced MS Imaging for Targeted Spatial Molecular Analysis and Quantitation with Absolute Power and eXtreme Robustness in a Single Solution.
10:55 am	Revolutionizing LC-MS: Breakthrough in Multi-Reflecting Time-of-Flight (Xevo™ MRT) for Enhanced Qualitative and Quantitative Analysis.
11:30 am	Refreshments

Presenter

Dr. Lee Gethings holds a PhD in biological mass spectrometry and is a Consulting Scientist at Waters Corporation. Since joining Waters, he has progressed from Application Support Specialist to Principal Scientist, later becoming Senior Manager of the Biomedical Research group, where he led a team of scientists applying LC-MS methodologies to the areas of metabolomics, lipidomics, proteomics and glycomics.

Dr. Gethings is currently part of the Xevo MRT Program Team developing OMICS applications including single-cell workflows. Dr. Gethings has authored over 60 peer-reviewed publications and holds honorary professorships at the Universities of Manchester, Liverpool, and Surrey.

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