

November 9, 2017 (13:30-14:15)

# Waters

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VENDOR SEMINAR:

## **Overcoming the Challenges of Analysing Anionic Polar Pesticides**

**Glyphosate and other anionic pesticides: what makes these pesticides so po(pu)lar?**

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Glyphosate continues to be the most widely used agricultural chemical worldwide. While the toxicity is under debate, maximum residue levels (MRLs) are enforced around the globe, based on crop application in line with good agricultural practices. Therefore, analytical testing of glyphosate, other herbicides and their metabolites is required to ensure consumer safety.

Due to physiochemical properties, glyphosate and other polar pesticides are challenging to analyse. These properties impact on the various stages of the analysis from sample preparation, separation and detection. Whether you're a gardener, environmentalist, formulator of pesticides or analytical chemist, the words glyphosate and anionic pesticides will invoke a reaction!

Join us in Virgo on Thursday, where we will discuss these highly polar anionic compounds and demonstrate:

- Reliable analysis by LC-MS/MS, without the need for derivatisation or specialty ion chromatography instrumentation
- Excellent sensitivity and precision across a variety of relevant food commodities
- Accurate quantitation of incurred residues, in the absence of costly isotopically labelled internal standards
- LC column selection and key method considerations
- Achieving and maintaining a robust LC-MS/MS system