

2nd International Conference and Expo on **Separation Techniques**

September 26-28, 2016 Valencia, Spain

Separation science that's built for biopharma

Robert Van Ling

Thermo Fisher Scientific, Netherlands

Biopharmaceuticals now dominate the leading positions in both sales and revenue tables over traditional small molecule drugs and drug pipelines continue to lead by biopharmaceuticals. In addition, as some of the earlier biopharmaceuticals begin to come off patent, we are seeing tremendous growth and attention in biosimilars. Both biopharmaceuticals and biosimilars however present new challenges compared to small molecules due to their complexity and variability; and as such manufacturers need advanced analytical tools to be able to effectively characterize these biopharmaceuticals to ensure efficacy and safety of the product. In this seminar, I will overview the latest advances made by Thermo Fisher Scientific with respect to UHPLC instrumentation and column chemistries for complete biopharmaceutical separation and characterization. The Thermo Scientific™ Vanquish™ Flex UHPLC system is truly built for biopharma offering precise and reproducible separations, coupled with flexibility to execute all major biopharmaceutical applications. Our extensive portfolio of column chemistries combines with the Vanquish Flex to offer a complete solution for biopharmaceutical analysis. Examples of characterizing monoclonal antibodies to determine amino acid sequence, charge variants, aggregates, purity and glycan profiles will be presented.

Biography

Robert Van Ling has started working at LC Packings, focusing on Nano and Capillary LC. Following the successful introductions of UltiMate, the world's first Nano LC system, LC Packings was acquired by Dionex Corp., in which he has held several roles in conveying the use of Nano LC-MS in Proteomics, for both ESI and MALDI applications and later moving more towards separation of intact proteins and Protein Therapeutics. Since 2012, he has been working as a Member of the Thermo Fisher Scientific family. Currently, he is supporting wide portfolio of chromatography consumables and specifically sample preparation and characterization of large molecules and biologics.

Robert.vanling@thermofisher.com

Notes: