



2nd Food, water and pharma microbiology: Rapid confirmation using MALDI-TOF

Tuesday 28 November 2017, SCI, London, UK

Organised by SCI's Environment, Health and Safety Group, SCI's Food Group and RSC's Food Group

Synopsis

The use of MALDI-TOF systems has completely revolutionized the way microbial identification/confirmation is performed. The speed, accuracy, ease of use and cost efficiency are so impressive that significant numbers of clinical laboratories all over the world, have now successfully implemented this rapid identification/confirmation technique on a routine basis for a number of years. However, this simple approach is now rapidly expanding and also being applied routinely in food, water and pharma laboratories. The relevant commercial clinical databases have been found to be fit for purpose and are continually incorporating new species including food, pharma and water-related species. The user can also set up a supplementary own personal database to be used in conjunction with the instrument manufacturer database. This event has 10 presentations covering a wide range of topics in relation to various food, water and pharma applications related to the use of MALDI TOF technology. Prof Haroun Shah, one of the founding pioneers of this technique, will be giving the initial keynote presentation covering the past, present and potential future of this powerful technique.

Attendees

The conference is aimed at food, water and pharma microbiological technical staff; public health professionals, lab managers; food and water industry personnel responsible for microbiological quality and regulators.

Organising Committee

- ▶ K Clive Thompson, ALS
- ▶ Erika Tranfield, Bruker

Exhibition and Sponsorship

If you are interested in in exhibition or sponsorship opportunities, please contact conferences@soci.org

Registration

To register for the event, please visit: www.soci.org/events. Early bird rates end on **Fri 13 October 2017**.

Early-bird rates before Fri 13 October

SCI Members £120
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Standard rates from Fri 13 October

SCI Members £145
SCI Student Members £50
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Programme

09.30 Registration and refreshments

10.00 **Welcome and introduction** - Prof K Clive Thompson, ALS, UK

10.05 **Keynote presentation: From nowhere to really somewhere in 15 years: - The triumph of MALDI-TOF Mass Spectrometry and New Developments in Tandem Mass Spectrometry for Microbiology**

Prof Haroun Shah, Middlesex University, UK

10.50 **The extinction of a historic species – Is MALDI-TOF the death of the Microbiologist?**

Clare Saxby and Christie Downing-Kay, ALS Chatteris and bioMérieux, UK

11.20 Refreshment break

11.45 **Clear the decks for Campylobacter Confirmation by MALDI-TOF**

Maria Karczmarczyk, Eurofins Food and Water Testing UK & Ireland Ltd, Wolverhampton, UK

12.15 **Transfer of omics-technologies in routine testing: the road map for food safety recognition**

Daniele Sohler, Bruker, UK

12.45 **Comparison between MALDI-TOF, Rapid ID 32 Strep System, and 16S rRNA gene sequence analysis for the species id of Enterococcus spp. isolated from water**

Dr Maja Taucer-Kapteijn, Het Waterlaboratorium, Haarlem

13.15 Lunch and networking

14.15 **Mycobacterium ID on VITEK MS**

Valérie Monnin, bioMérieux, UK

14.45 **MALDI-ToF MS in Environmental water microbiology – Implementations and ongoing developments**

Samuel Dearlove and Pervinder Johal, ALS, UK

15.15 **MALDI ToF in antimicrobial surveillance and drug development and the potential for detection of Antimicrobial Resistance**

Ed Siegart, LGC, UK

15.45 Refreshment break

16.05 **MALDI-TOF in the Food supplement industry**

Rosemary Cowin, Probiotics International Ltd, UK

16.35 **MALDI: Adding new perspectives to hygiene investigations**

Bryan Donald, CROWN Technology, UK

17.05 Discussion with and further questions to speakers

Prof K Clive Thompson, ALS, UK

17.20 Meeting Close

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