You're Invited.
To Be on the Rapid Track!

Date: 27 March 2015, Friday

Time: 14.00 – 17.15

Venue:
National University of Singapore
Faculty of Science, Seminar Room S1A-0217
#02-17 (besides LT32)

Co-Organized by:

About the Speakers:

Prof Hyun-Gyun YUK
BS, MS, PhD

Prof. Yuk is a Assistant Professor of Food Science & Technology Program, Department of Chemistry, at the National University of Singapore. Prof Yuk is actively involved in research and his areas of interest include improvement of molecular-based detection of foodborne pathogen in foods and bacterial stress adaptive response.

An author of numerous scientific articles and publications, Prof Yuk sits on the Editorial board of Journal of Food Science and Engineering. is the Editor of Food Science and Biotechnology and currently serves as the President of Southeast Asia Association for Food Protection.

Matthew Turner
BAppSc

Mr Turner graduated with Bachelor of Applied Science (Medical Biotechnology and Microbiology) from the Queensland University of Technology. Matthew gained industry experience working as a Quality Manager and Senior Microbiologist in three large ISO17025 food micro contract labs – in UK, Canada & Australia.

Mr Turner is currently based in Singapore as a Professional Services Consultant with 3M Food Safety, with overall technical responsibility for the Asia Pacific region.

Please kindly register your interest via email or phone to:
Ms Jean Tang, jeantang@mmm.com or Mr Norman Kok, 9873 8540
Registration closes: 23 March 2015

Seminar Synopsis:

- **3M™ Molecular Detection System on the rapid detection of Salmonella spp. in foods and Listeria monocytogenes on environmental surfaces**

Salmonella spp. & Listeria monocytogenes are listed in top five pathogens contributing to domestically acquired foodborne illnesses resulting in death according to US Centre for Disease Control (CDC). Hence, monitoring of bacterial contamination in the food is crucial. Advances in detection methods of pathogens in foods and environmental samples combining loop mediated isothermal DNA amplification (LAMP) method with bioluminescence, such as *3M™ Molecular Detection System (MDS)* has recently been developed. *3M™ Molecular Detection Assay (MDA)* is used with 3M™ MDS for qualitative analysis of pathogens in foods and environmental samples the next day after enrichment, thus reducing testing time that typically require 5-7 days. Recent research data on the evaluation of 3M™ MDA performance for the rapid detection of Salmonella spp. in local food matrix and L. monocytogenes on environmental surfaces will be presented.

- **Environmental Monitoring as a Food Safety Strategy**

Food safety for food manufacturing facilities has evolved greatly in the last few decades. The application of hazard analysis has shifted the emphasis from finished product testing to more proactive approaches such as the increased use of environmental monitoring. This presentation will introduce the concept of environmental monitoring, with an emphasis on rapid hygiene monitoring, indicator organisms and pathogen control.

Program:

1400-1415	Registration
1415-1430	Opening Welcome by SSMB & 3M
1430-1500	Evaluation of 3M™ Molecular Detection System on the rapid detection of Salmonella spp. in foods and Listeria monocytogenes on environmental surfaces by Prof Yuk
1500-1530	Tea Break
1530-1610	Environmental Monitoring as a Food Safety Strategy by Matthew Turner
1610-1640	Launch of 3M™ Petrifilm™ Rapid Aerobic Count Plate
1640-1700	Sharing of User Experiences
1700-1715	Q&A