

## High-throughput study using high-resolution mass spectroscopy

### 2017 AGILENT CHROMATOGRAPHY MASS SPECTROMETRY SEMINAR TOUR

Date: 2<sup>nd</sup> August, 2017 (Wednesday)

Venue: Biotechnology Research Institute, University Malaysia Sabah (UMS)

Time	Topic	Speaker
8.30	Registration	
9.00	<b>Welcome and Introduction to Agilent Seminar</b>	
9.15	<p><b>The New Agilent 1260 Infinity II LC – The Power of 600 bar</b>  <i>As part of the Agilent InfinityLab family, Agilent 1260 Infinity II LC delivers highest efficiency in laboratory workflow. With the power range of 600 bar, the 1260 Infinity II LC provides faster separation and achieve more reliable results with smaller particle size columns.</i></p>	<p><b>Ms. Chong Huey Bing</b>            LC/MS Products Specialist</p>
10.00	<p><b>LC-MS/MS – Overview and its Applications</b>  <i>Agilent 6400 Series Triple Quadrupole LC/MS system are proven choice for quantitative applications such as food testing, forensic, toxicology, environmental analysis, pharmaceutical, clinical studies etc.</i></p>	<p><b>Ms. Chong Huey Bing</b>            LC/MS Products Specialist</p>
10.45	Morning Break	
11.00	<p><b>Selection of LC Columns for High Throughput and Faster Analysis</b>  <i>Poroshell 120 columns is the latest technology range of columns giving the ability for comparatively lower back pressure and longer lifetime for harsh samples and flexibility to interchange between HPLC and UHPLC systems.</i></p>	<p><b>Mr. Bradley Terence</b>            IT-Tech Research Application Chemist</p>
11.45	<p><b>Natural products Discovery by LC/QTOF</b>  <i>Q-TOF LC/MS system delivers exceptional MS and MS/MS analyses for applications that demand the highest accurate-mass measurement without compromising sensitivity and speed. This presentation will cover the principles of Q-TOF and an overview of natural product discovery workflow by Agilent Q-TOF.</i></p>	<p><b>Ms. Chong Huey Bing</b>            LC/MS Products Specialist</p>



<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
12.30	Lunch	
14.00	<p><b>Introduction to The NEW Agilent Intuvo 9000 GC System</b></p> <p><i>Intuvo is not just a new breed of GC. It's a completely re-imagined integrated system of GC, consumables, supplies, services and software. Only Agilent could integrate such a complete solution and drive so much innovation in something so mature as GC. This presentation will show you how it streamlines GC lab operations and can lead to a much better business outcome for enterprises who depend on GC.</i></p>	<p><b>Ms. Lotus Saw</b> GC/MS Products Specialist</p>
14.30	<p><b>GC/MS Technique and its Analytical Applications</b></p> <p><i>GC-MS is highly effective and versatile analytical techniques with numerous scientific applications to cater the field of applied Sciences and technology. This presentation will cover the fundamental of GCMS and its applications in different industry.</i></p>	<p><b>Ms. Lotus Saw</b> GC/MS Products Specialist</p>
15.15	<p><b>What options do you have when it comes to your instrument's health?</b></p> <p><i>Studies show that 60% of instrument failures can be traced to a single cause – lack of preventive maintenance. Let us share with you the options that you can have to make your laboratory a more productive facility.</i></p>	<p><b>Ms. Clarice Tan</b> Support &amp; Service Marketing Program Manager</p>
16.00	<b>Discussion and Closing</b>	



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## **LC-MS QTOF Operation Workshop with MassHunter Data Analysis**

**Date: 3<sup>rd</sup> Aug 2017 (Thursday)**

**Venue: Biotechnology Research Institute Lab, UMS.**

**Course Length: 9.30 am to 4.30 pm**

**Seat: 15 pax only**

This workshop will introduce LC/MSQTOF operation and data analysis features.

### **Students will learn about:**

- LC/MSQTOF scanning modes
- Sample preparation methods
- Columns selection
- Qualitative and quantitative analysis
- The basic features of the software
- Optimize data acquisition and data analysis settings

### **Outline:**

- Mass Spectrometry and Agilent QTOF Technology Overview
- Solvents and columns selection – Normal and reverse phase LC
- Sample preparation methods
- QTOF scanning modes
- General Qualitative & Quantitative Data Analysis Procedures
- Database Library Search and matching
- Post data analysis and reporting
- Tuning and maintenance



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Registration Fee for WORKSHOP, 3<sup>rd</sup> Aug 2017:

Participants	Registration fees (RM)
STUDENT	150
RESEARCHER / ACADEMICIAN /GOVT.	200
INDUSTRY / PRIVATE SECTOR	250.

Name : Universiti Malaysia Sabah  
 Bank : Maybank  
 Account Number : **5100-1302-2413**  
 Swift Code : **MBBEMYKLXXX**  
 AccountBranch : Jalan Pantai, Kota Kinabalu, Sabah, Malaysia

**REMINDER: Registration is required, please fax or email your confirmation of attendance and registration details today!**

Please fax/email in your confirmation of attendance and registration by the **26<sup>th</sup> July 2017.**

**Your Contact Person:**

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<b>August, 2017 Program</b>		<b>Please tick <input type="checkbox"/> for registration</b>
Day 1: 2 <sup>nd</sup> Aug, 2017 (Wed)	Agilent Chromatography Mass Spectrometry Seminar (Free admission)	
Day 2: 3 <sup>rd</sup> Aug, 2017 (Thu)	LC-MS QTOF Operation Workshop (Fees applied)	

<b>Name:</b>	_____
<b>Job Title:</b>	_____
<b>Company:</b>	_____
<b>Address:</b>	_____
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<b>Tel:</b>	_____
<b>Fax:</b>	_____
<b>Email:</b>	_____