



تنظم الجمعية الكيميائية السعودية بالتعاون مع كلية الصيدلة بجامعة الملك عبدالعزيز الدورة التدريبية التالية:

Liquid Chromatography - Mass Spectrometry Hands - On Training Course

أساسيات وتطبيقات كروماتوغرافيا الطور السائل

المصاحب بمطياف الكتلة

20-21 FEB. 2017

King Abdulaziz University
Faculty of Pharmacy

دورة

تدريبية نظرية
وعملية

2 in 1 (2
Courses
in One
Training)

Main Topics:

1. Ion Trap and Triple Quad - Mass Spectrometers
2. Setup of LC-MS and method development
3. Ionization efficiency and ionization suppression
4. Interpretation of MS spectra
5. NIST search strategy

LC/MS For the Chromatographer



COURSE SUMMARY:

The Atmospheric Pressure Interface (API) is the core element to the course with the principles of operation, limitations and applicability fully explored. The course covers ion suppression, the use of Electro spray and MS-MS data acquisition modes. Optimization of interface and mass filter settings and how to best utilize reduced dimension LC to speed up sample throughput will be discussed. The popular interface types and mass analyzing equipment (Quadrupole and Ion Trap etc.) will be comprehensively covered. This course is ideal for those who are new to LC/MS.

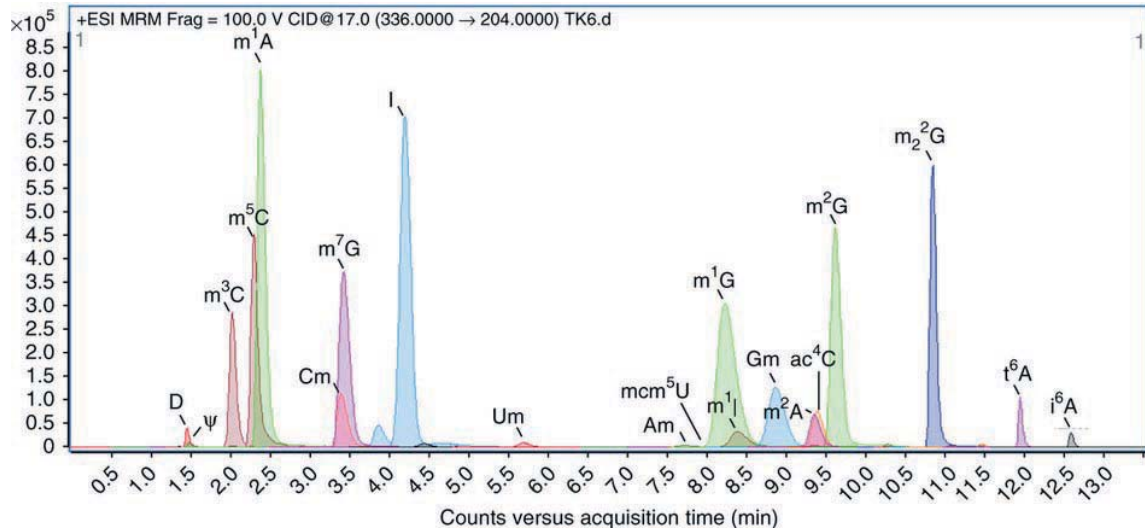
PRACTICAL SKILLS ACQUIRED:

This course is not only designed to bolster your theoretical understanding of LC-MS as a technique, but to give you the practical skills needed to gain maximum benefit from your LC-MS detector. The subject theory is practically reinforced by running a range of specifically designed experiments that highlight the capabilities and limitations of Mass Analysers including Triple Quad and Ion Trap Instruments using a range of samples. Both theoretical and practical time is devoted to ensuring that interface (LC) methods are sufficiently optimized such that greatest benefit is achieved from your Mass Spectrometric Detector.

Couse No: 01

Date: 20 Feb. 2017

LC/MS Spectral Interpretation



Do you currently use LC-MS in your laboratory applications?

Would you like to benefit from a greater understanding of how to interpret the mass spectra produced by Electrospray Ionization (ESI)? If so then this course will be helpful in increasing your confidence and understanding of:

- Mass spectral data analysis
- Structural elucidation
- Product ion generation by Collision Induced Dissociation (CID) characterization
- Fragment search strategy

Couse No: 02

Date: 21 Feb. 2017



Alaa Khedr

Is Professor of Pharmaceutical Analytical Chemistry, Faculty of Pharmacy - King Abdulaziz University, Jeddah. He holds a master's degree from Egypt in the field of quality control of pharmaceuticals. PhD studied in Germany for spatial selection for drug metabolism using gas chromatography - spectrometer (Bonn, Germany). Dr. Khader and founded R & D unit in the city of Cincinnati, Ohio, USA Participated in the drug development project for the production of pharmaceutical preparation (buspirone). He is an expert in regulatory affairs for research and development and quality control of pharmaceuticals. His main research interests focused on the design and implementation of the stability program for drug screening and to evaluate the environmental variables and their impact on drugs Dr. Alaa also participated in the establishment of a pharmaceutical company (T3A - Egypt and Hoshkrh Betts - New Jersey). As he mastered many pharmaceutical industrial activities, including the preparation of laboratories, quality control, facilities planning, and the establishment of research and development department, as well as regulatory affairs. He participated in providing a single product for Pharmaceuticals in Basel, Switzerland, and thus in the European Union. Dr. Khader is one of the references in reference accredited Clark for separating and classifying 2008. He is also an arbitrator in some international scientific journals.

Contact Information

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Ahmed Kamal Ahmed kamal

has considerable experience and is fully qualified in the areas of both pharmaceutical analysis and training practice. he has worked as an analytical pharmacist in the pharmaceutical industry for over 6 years on a range of method development projects and has been responsible for many pharmaceutical analysis training programmes during this time.

Working Experience:

- PRCU technical manager Faculty of pharmacy – KAU 2011 ·
- Methodology and stability manager in Multi -Apex pharmaceutical industry - Cairo 2009
- Quality manager for QC lab in Multi -Apex 2005 And participating as quality manager in team responsible for the implementation of the requirements of international standard ISO/IEC 17025/2005 of QC lab of Multi-Apex pharma (the lab became accredited in November 2008)
- Assistant lecturer in faculty of pharmacy– Ain shams university –Cairo Egypt 2003

Qualifications:

- PhD in pharmaceutical analytical chemistry, Cairo University(2015)
- MSc in pharmaceutical analytical chemistry, Ain Shams University(2003)
- TQM diploma From AUC Cairo-Egypt (2008)

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أساسيات وتطبيقات كروماتوغرافيا الطور السائل المصاحب بمطياف الكتلة

Registration Form

Name:

Work Place:

Address:

P.O.Box:

Zeb Code:

City:

Work Tel:

Mobile:

Fax:

E-mail:

Seats are
limited, the
priority for the
fast registration

Date: **20-21 Feb. 2017**

Course Fees

3000 SR

20% discount for group registration, more than 3.

20% discount for Saudi Chemical Society members.

50% discount for Students.

Account of Saudi Chemical Society: 2680174640 Samba Bank

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For More Informations

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