
Theme: Exploring the Widespread Applications of Chromatography and Unveiling Advances in HPLC

HPLC Congress 2016 organizing committee invites analytical expertise, researchers, professors, scientific communities, delegates, students, business professionals and executives to attend the “International Conference and Exhibition on Advances in HPLC and Chromatographic Techniques” which is to be held during March 24-25, 2016 at London, UK.

HPLC (High Performance Liquid Chromatography) is the most popular analytical technique for a wide variety of samples from typical biological compounds to those in polluted environment. HPLC is unique because of its features like pressure stable column, constant and high linear velocity of mobile phase and most important densely packed column with reduced particle size, less than 10 μ m (less than 2 μ m in UHPLC) .

Market Summary

The enormous market of chromatography instrumentation includes chromatography systems like TLC, HPLC, UPLC etc. and chromatography consumables like filters, columns, solvents etc. The international life science and chemical instrumentation market is expected to increase at CAGR of 6.9% reaching \$48.84 billion by 2019. Increasing government investments in pharmaceutical R&D in emerging nations, technological advancements in the analytical instruments, growing food safety concerns, increasing life science research and development expenditure, and progressing drug discovery and clinical diagnostics field are the key factors driving the growth of life science and chemical instrumentation market. Additionally, the key factors offering new growth opportunities for the market players include rising environmental safety concerns, growing proteomics market and increasing demand of analytical instruments from applied markets. The Europe Liquid Chromatography Reagents market is determined to grow at a CAGR of 9.9% from 2014 to 2019. The market growth is stimulated by extensive use of chromatographic techniques in every minute analysis.

Scope and Importance of HPLC and Chromatography Research

Since its invention, chromatography has become a key tool for separation, identification, purification and quantification of several compounds. Chromatography is under constant development owing to the growing research needs in academic and industrial levels. This has led to the combination of HPLC with other spectroscopic techniques like NMR, MS, GC, IC, SE and MALDI. Hyphenated HPLC techniques are now more investigated and used to combine the efficiency of more than one technique. The particle size in a chromatography

column is now being reduced to as much as sub-micro and sub-nano thus increasing the height of research.

Why in London, UK?

Globally, Europe ranks second in liquid chromatography systems. This market is expected to grow at a CAGR of 5.6% from 2013 to 2018. The demand for liquid chromatography systems in the Europe is anticipated to raise due to the increasing government considerable large venture capitalists investments and a great number of symposiums on liquid chromatography technologies. The European market is increasingly becoming the growth centre for the global market. The metabolomics market across Germany and the U.K. is slated to show a significant growth during the forecast period of 2014 to 2019. A higher CAGR in these markets is mainly due to the increase in research funding from the respective governments and private investors and growing demand for personalized medicine.

Conference Highlights

- Advances in Various Chromatographic Techniques
- Fundamentals and Advances in Liquid Chromatographic Separation Techniques
- Advances in HPLC Instrumentation
- Hyphenated HPLC methods
- Chip Based Separations
- High Efficiency and High Resolution Techniques
- Method Development
- Chemometric optimization
- Applications of HPLC
- Biochemical Applications
- HPLC fingerprinting in Bioinformatics and Computational Biology

Why to attend HPLC Congress 2016?

HPLC Congress 2016 is a cluster conference that provides a platform to detail the research works of analytical expertise from various scientific backgrounds and the same can be perceived by young researchers and students. The conference mainly aims to promulgate knowledge on chromatography and unveil the advances in HPLC techniques. Both life sciences and chemical sciences need analytical techniques in course of research work and therefore HPLC Congress 2016 would be a perfect venue to share and develop knowledge on key analytical tools. The “International Conference and Exhibition on Advances in HPLC and Chromatography Techniques” caters the exhibition of products and services from various commercial and non-commercial organizations thus interlinking academia and business.

For more details on sponsorship and exhibition ps:

<http://hplc.conferenceseries.com/sponsors.php>

Global HPLC and Chromatography Associations

Chromsoc- The Chromatographic Society
Association of Separation Scientists and Technologists
Society of Analytical Psychology
Chinese American Chromatography Association
American Chemical society
Analytical chemistry
Separation Science and Chemical Analysis
Chromatographic Society of India
Federation of Asian Chemical Societies
European Society for Separation Science
Hungarian society of Separation Sciences
CASSS- An international Separation Science Society
Chinese Society of Chromatography
Swiss Chemical Society

Major HPLC and Chromatography Associations in UK

Chromsoc- The Chromatographic Society
British Mass Spectrometry Society
Royal Society of Chemistry

Statistical Analysis of Associations

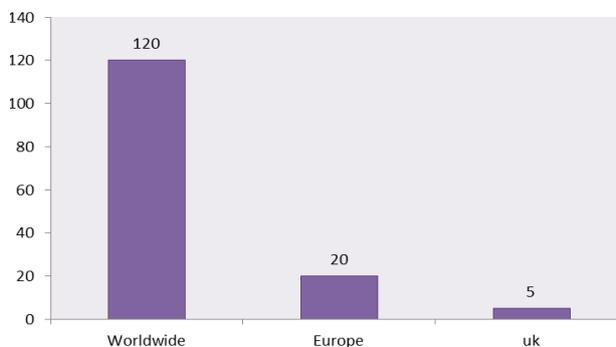


Figure 1: Statistical Analysis of Associations

Target Audience

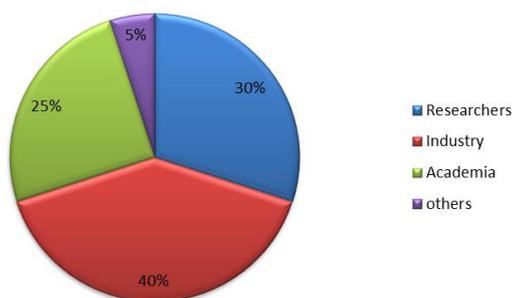


Figure 2: Target Audience

Top Universities in London and UK

University of Cambridge
University of Oxford
University of St Andrews
Durham University
Imperial College London
University of Warwick
University of Bath
University College of London
University of Exeter
University of Lancaster
University of Surrey
Loughborough University
University of York
University of East Anglia
University of Southampton
University of Birmingham
University of Bristol
University of Leicester
Newcastle University

Top Universities Associated with HPLC and Chromatography Research

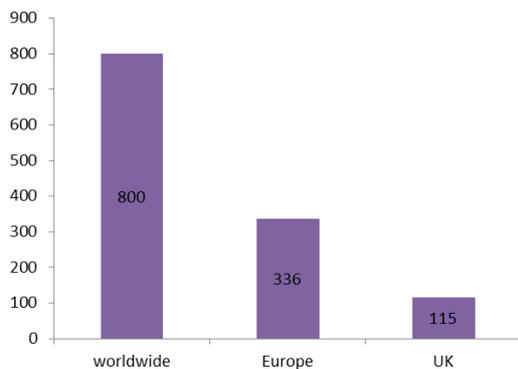


Figure 3: Universities Associated with HPLC and Chromatography Research

Major Companies Associated with Chromatography Related Products and Services

Waters Corporation
Agilent Technologies
Shimadzu
EMD Millipore

Phenomenex
AB Sciex
ThermoScientific
Sigma Aldrich
Chiral Technologies
Gerstel
Anatune
Knaeur
Quant Technologies
TSI
Peak Scientific
Shodex
Azko Nobel
Chrom Sword

Companies Related to Chromatography Products and Services

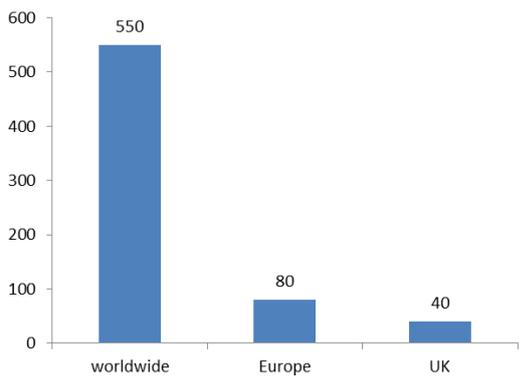


Figure 4: Companies Related to Chromatography Products and Services

Statistics of Researchers working on HPLC and Chromatography

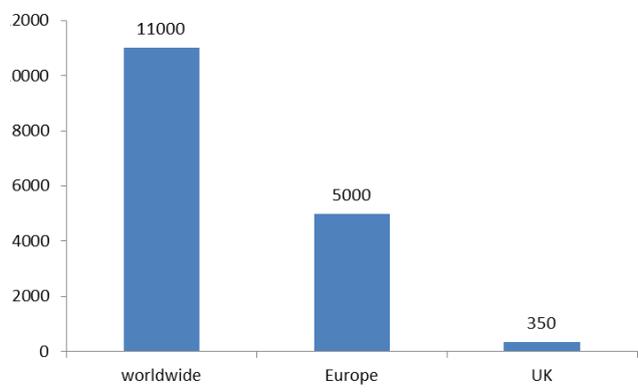


Figure 5: Statistics of Researchers working on HPLC and Chromatography

Expected Market Growth Rate of Chromatography from 2015-2025

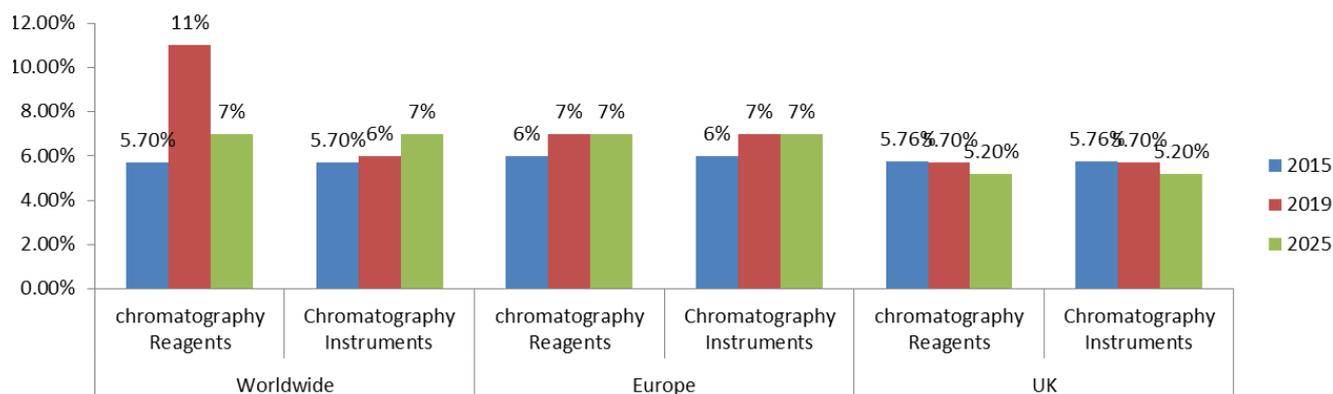


Figure 6: Market growth rate (% CAGR) of Chromatography from 2015- 2019- 2025

Market value of Liquid Chromatography in \$ billion in Europe as compared globally

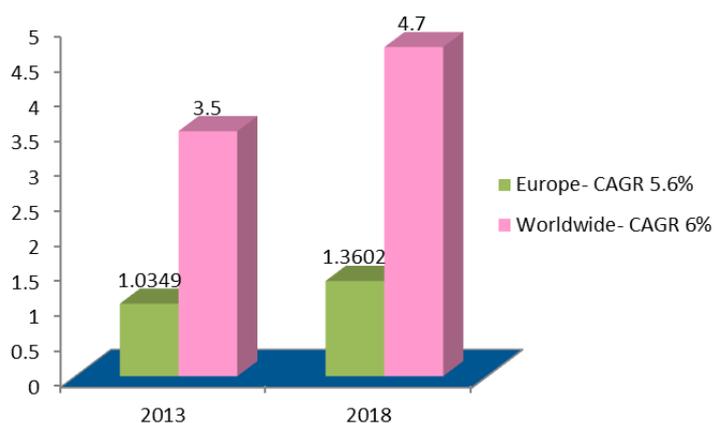


Figure 7: global market value of liquid chromatography

Global market share of Major chromatography Techniques by 2018

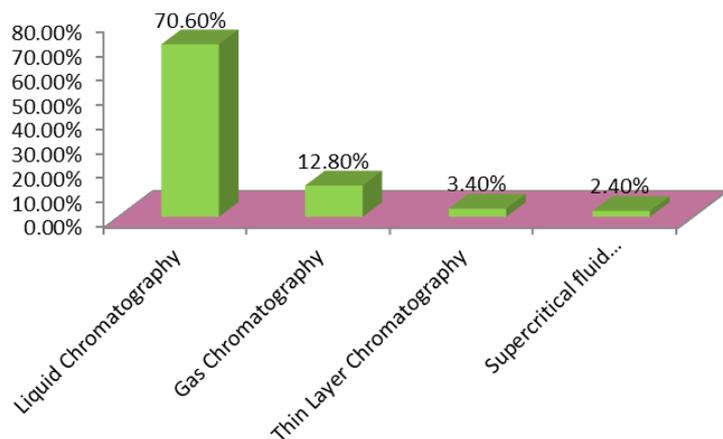


Figure 8: Global market share of Major chromatography Techniques by 2018

Global Market Value of Chromatography Products in \$ Million from 2013-2018

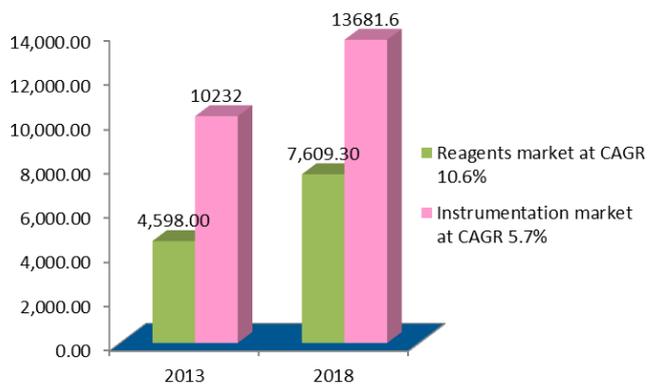


Figure 9: Global market value of chromatography markets

Global PAT (Process Analytical Technology) Instrumentation Market in \$ Million

PAT market instrumentation- CAGR 6.7%

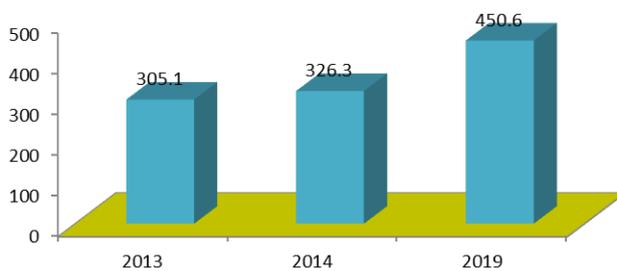


Figure 10: Global PAT instrumentation market

Global fund allotment towards HPLC and Chromatography Research

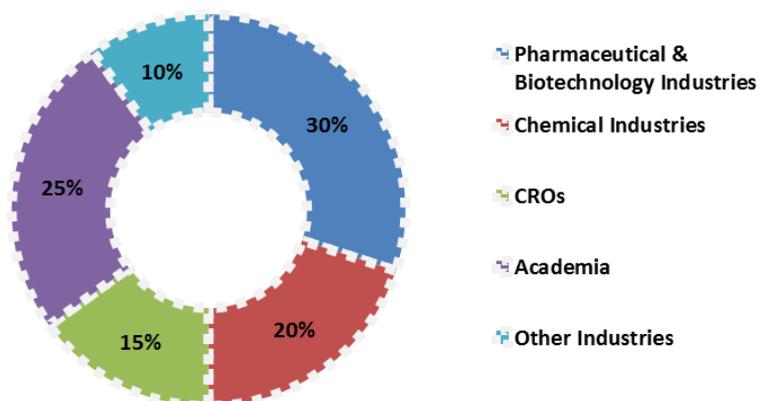


Figure 11: Global fund allotment towards HPLC and Chromatography Research

References

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