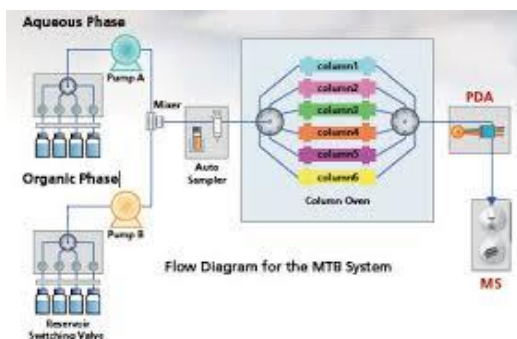


# Professional Development Workshop

UCLA

CBI CONGO  
BASIN  
INSTITUTE

IITA  
Transforming African Agriculture  
50  
1967-2017



## AN INTRODUCTION TO LIQUID CHROMATOGRAPHY AND MASS SPECTROMETRY FOR CHEMISTS AND BIOCHEMISTS

The application of mass spectrometry to increasingly widespread areas of research, development and technology including environmental monitoring, biochemistry, pharmacology, biotechnology, materials analysis, and even archeology, as well as the traditional specialties of organic and inorganic chemistry, demands that all societies produce individuals who are equipped with the necessary training to fill the work force needed in these areas. This course will attempt to introduce to participants, the principles and practice of contemporary chromatography and mass spectrometry.

Upon completion of the course, the students will have learned the theory and practice of mass spectrometry. They will be able to design and plan experiments using mass spectrometers and thus will be able to integrate this technology into their own thinking, enhancing their experimental design. More specifically, the students will be familiar with the options available to identify and quantify a wide range of molecules including, but not limited to free amino acids, carbohydrates, fatty acids, other lipids, steroids, other biological metabolites, peptides, proteins, pesticides and other environmental organic contaminants.

This course is derived from similar classes that Dr. Faull has taught at the University of California Los Angeles

To apply send your C.V., contact information for two referees, and a statement of no more than 250 words about your background to Dr. Kevin Njabo at [kynjabo@ucla.edu](mailto:kynjabo@ucla.edu) and Mrs Rose Ndango at [r.ndango@cgiar.org](mailto:r.ndango@cgiar.org)

**DATES:** 26 - 29 Dec. 2017

**LOCATION:** CBI/IITA  
Yaoundé, Cameroon

**ENROLLMENT:**

Applications are welcome from undergraduate seniors, graduate students, postdoctoral scholars, staff and faculty interested in chromatography and mass spectrometry by 10 Dec 2017.

**INSTRUCTORS:**

**Dr. Kym Faull, Director, UCLA  
Pasarow Mass Spectrometry  
Laboratory in the Semel  
Institute of Neuroscience  
and Human Behavior, USA**

**Dr. Olivier Heudi  
Novartis Institute for Biomedical  
Research  
Translational Sciences  
DMPK/Bioanalytics  
SWITZERLAND**