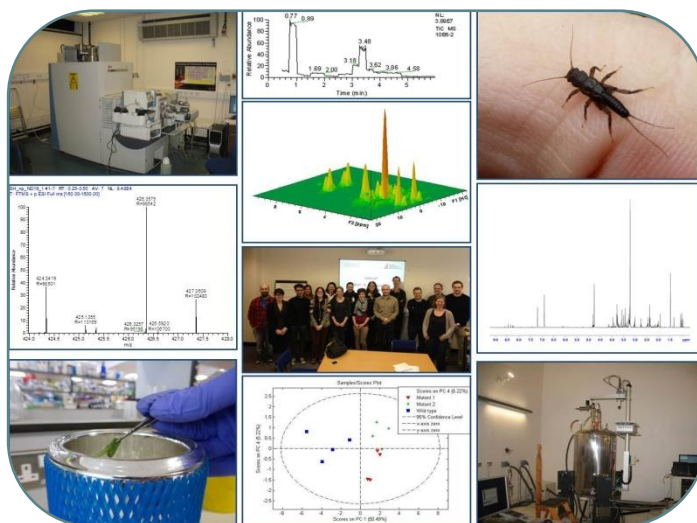


The course is open to all. Bursaries covering the course fee, accommodation and support for travel are available for current holders of NERC funding.

THE **BIRMINGHAM METABOLOMICS TRAINING CENTRE** IN PARTNERSHIP WITH **NBAF-BIRMINGHAM** PRESENTS

# INTRODUCTION TO METABOLOMICS FOR THE ENVIRONMENTAL SCIENTIST

INTEGRATING METABOLOMICS INTO YOUR RESEARCH



**5-6 DECEMBER 2016**

**UNIVERSITY OF BIRMINGHAM, UK**

SPEAKERS INCLUDE PROFESSOR MARK VIANT AND DR ULF SOMMER

- ❖ Introduction to environmental metabolomics, goals and objectives
- ❖ Importance of experimental design and quality control
- ❖ Overview of technologies for sample collection and preparation
- ❖ Overview of analytical laboratory techniques (mass spectrometry and NMR spectroscopy)
- ❖ Data pre-processing and statistics for metabolomics
- ❖ Challenges of metabolite identification
- ❖ Tour of the NERC Biomolecular Analysis Facility – Birmingham showcasing facilities and expertise available
- ❖ Panel discussion with the experts

PLEASE REGISTER TO RESERVE YOUR PLACE ON THIS COURSE; PLACES ARE LIMITED. FOR MORE INFORMATION, SEE

[HTTP://WWW.BIRMINGHAM.AC.UK/FACILITIES/METABOLOMICS-TRAINING-CENTRE/COURSES/INTRODUCTION-METABOLOMICS-ENVIRONMENTAL.ASPX.](http://www.birmingham.ac.uk/facilities/metabolomics-training-centre/courses/introduction-metabolomics-environmental.aspx)