

## Objectives

The Department for Environment Food & Rural Affairs (Defra) has been discussing what action it can take to tackle food fraud and has teamed up with The Food and Environment Research Agency (Fera) to organise a one day event to showcase UK research on food authenticity.

This scientific event hosted by Fera reports the development and use of state-of-the-art methods to assure the authenticity of food and detect food fraud. The methods are developed as part of Defra's Food Authenticity Programme which investigates many aspects of misdescription. The conference will look at existing and potential methods to combat food fraud. It will also give participants the opportunity to highlight emerging issues and gaps in analytical technology. This conference will be of interest to a range of stakeholders: Food control authorities and laboratories, researchers and the food industry.

## Speakers and Chairs

- Sandy Primrose, Food Authenticity Programme Advisor
- John Spink, Michigan State University
- Lindsay Harris, Department for Environment Food & Rural Affairs
- Will Creswell, Food Standards Agency
- Lucy Foster, Department for Environment Food & Rural Affairs
- Simon Kelly, University of East Anglia
- Tassos Koidis, Queen's University Belfast
- Paul Fraser, Royal Holloway University
- Ellen Billet, Nottingham Trent University
- Adrian Charlton, The Food and Environment Research Agency
- Malcolm Burns, LGC Group
- Gill Murray-Dickinson, Trace Forensics
- Liz Moran, Association of Public Analysts
- Paul Brereton, The Food and Environment Research Agency
- Stephen Pugh, Department for Environment Food & Rural Affairs
- Andreas Roßmann, Isolab GmbH
- Markus Boner, Agroisolab
- Richard Thwaites, The Food and Environment Research Agency
- Didier Montet, CIRAD
- Michele Suman, Barilla G.R.F.lli SpA
- Federica Camin, FEM-IASMA

## Food Fraud – The Analytical Tools

### CONFERENCE PROGRAMME



Thursday 27<sup>th</sup> February 2014

Sand Hutton, York, UK

To register, visit [www.fera.co.uk/events/foodIntegrity2014](http://www.fera.co.uk/events/foodIntegrity2014)

For enquiries, e-mail [food\\_authenticity2014@fera.gsi.gov.uk](mailto:food_authenticity2014@fera.gsi.gov.uk)



Department  
for Environment  
Food & Rural Affairs



The Food & Environment  
Research Agency

## Morning session

09:30-10:00 Registration and Refreshments

### Introduction

Chairs: *Sandy Primrose, Food Authenticity Programme Advisor & Lucy Foster, Defra*

10:00-10:05 **Welcome and Introduction** - *Sandy Primrose, Food Authenticity Programme Advisor*

10:05-10:20 **Food Fraud - an international perspective** - *John Spink, MSU*

10:20-10:35 **Food Fraud - a policy perspective** - *Lindsay Harris, Defra & Will Creswell, FSA*

10:35-10:50 **The UK Food Authenticity Programme** - *Sophie Rollinson and Lucy Foster, Defra*

10:50 – 11:20 Coffee Break

*Attendees are invited to put up challenges and priorities on 'post-its' in the break for discussion in the afternoon Q&A session*

### Using chemical markers

Chairs: *Paul Brereton, Fera and Gerard Downey, TEAGASC*

11:20-11:40 **An overview of analytical approaches to verify country of origin labelling (COOL) claims** - *Simon Kelly, UEA*

11:40-12:00 **Identifying oil species in oil mixtures** - *Tassos Koidis, QUB*

### Using biochemical markers

Chairs: *Paul Brereton, Fera and Gerard Downey, TEAGASC*

12:00-12:20 **Mass spectrometry and the analysis of food composition and authentication** - *Paul Fraser, RHU*

12:20-12:40 **A proteomic approach to the detection of offal and added serum in meat products** - *Ellen Billett, NTU*

12:40-13:00 **Detection of unlabelled meat in meat products using proteomics and genomics** - *Adrian Charlton, Fera*

## Afternoon session

13:00 – 13:40 Lunch - Posters and Networking

### Using DNA markers

Chairs: *Sandy Primrose, Food Authenticity Programme Advisor & Hez Hird, Fera*

13:40-14:00 **Meat speciation analysis - current and emerging approaches** - *Malcolm Burns, LGC*

14:00-14:20 **Genetic tools for geographic traceability and breed identification of food** - *Gill Murray-Dickson, Trace Forensics*

14:20-14:40 **Public Analysts' perspective** - *Liz Moran, APA*

### The Future

Chairs: *Sandy Primrose, Food Authenticity Programme Advisor & Hez Hird, Fera*

14:40-15:00 **European research initiatives on food authenticity** - *Paul Brereton, Fera*

15:00-15:15 **Meeting the challenges – future development in the Food Authenticity Programme** - *Lucy Foster, Defra*

### Q&A session

The session is an opportunity to explore with stakeholders what they see as the key challenges we face with Food Authenticity and what technical solutions are needed to address them.

### Panel

- 15:15-16:00
- UK Government (*Lindsay Harris, Defra & Will Creswell, FSA*)
  - Enforcement (*Liz Moran & Nigel Payne, Association of Public Analysts*)
  - Industry (*Michele Suman, Barilla G.R. F.lli SpA*)
  - EU (*Paul Brereton, Fera*)
  - International (*John Spink, MSU*)

16:00 Close and tea