



Physical Principles of Lipids in Food Products and Health

Thursday 5 - Friday 6 September 2013

Weetwood Conference Centre Leeds, UK

Organised by SCI's Lipids Group, Leeds University and
Euro Fed Lipids Physical Chemistry Division



Thursday 5 September

10.00 Registration and refreshments

Keynote - The great cholesterol con

Replacement of trans and saturated fats in food products

Geoff Talbot, The Fat Consultant, UK

Diffraction methods for characterising fats

John Rasburn, Nestle

Oxidative stability of fats

Lisa Marshall, Leeds University, UK

Structuring through crystallization

Kees van Malssen, Unilever

Intestinal fate of plant sterols from spreads

Guus Duchateau

The physico-chemical basis of fat crystallization

Malcolm Povey, Leeds University, UK

Wine reception and poster session

19.00 Conference Dinner

Friday 6 September

09.00 **Keynote - Partition coefficients – what do we mean by lipid solubility and what it means for digestion**

Brent Murray, Leeds University, UK

Naturally occurring surfactants and their role in fat digestion

Andrea Day, Leeds University, UK

The industrial Implications of Lipids and Health

Peng-Siong Chong, Nestle

Links between carbohydrates and lipid metabolism

Caroline Orfila

Keynote - Lipid structuring and soft materials

Michael Rappolt, Leeds University, UK

Meal mate – communicating nutrition knowledge

Janet Cade

Effect of minor components on fat crystallization

Kevin Smith

For travel and accommodation information please see our website

Synopsis

This 2 day conference aims to fill the knowledge gaps in the understanding of the relationship between the structure and function of fats

'Fat' has become a byword for ill-health in our nutrition obsessed world. Yet fats, or more exactly fatty acids and their glycerol esters the mono- di- and triacylglycerols are essential to health. They are so important that humans have evolved mechanisms which ensure that we greatly desire fats in all their delicious forms, in baked goods, chocolate, confectionery, ice-cream, dairy products, the list just goes on and on. Their importance is testified to by the fact that fat and vegetable oil refining and production, together with goods such as fatty spreads and chocolate are the single most important food sector in the world.

Attendees

This conference will be of interest to those working in fat crystallization and processing with researchers working on the biochemistry of polyphenols, phytosterols and plant stanols; as well as industrial scientists, technologists and engineers working with fats and concerned about their impact their products and on human health.

Posters

There will also be a poster session and interested delegates are strongly encouraged to submit their application for this early, as numbers will be limited. Please send a one-page abstract to conferences@soci.org by 27 July 2013.

Exhibitors

An exhibition is being planned during the refreshment and lunch breaks. There will be a limited number of spaces available for companies and related organisations who may wish to exhibit. For further information and prices please send an email to jacqui.colgate@soci.org with "Physical principles of lipids in food products and health exhibition information" as the title.

Information on SCI

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Physical Principals of Lipids in Food Products and Health

5-6 September 2013 @ Weetwood Conference Centre Leeds, UK

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