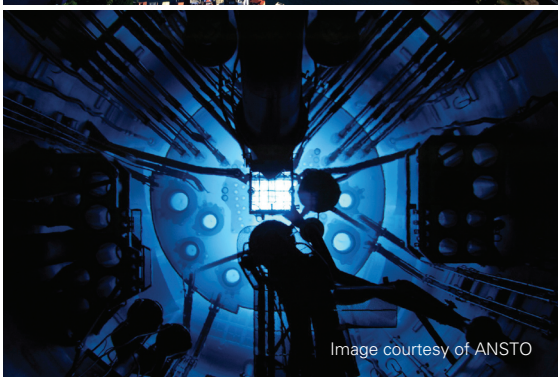
Neutrons and Food

31 October – 3 November 2010 Sydney, Australia



The application of neutron scattering to food-based systems is still in its infancy but has significant potential to the determination of food structure and to the complex relationship between food processing, rheology, nutrition, food quality and security. The workshop seeks to identify the future scientific needs and opportunities in the application of neutron scattering to food science and to foster collaboration and networking between researchers working in these areas.

The meeting co-chairs are Prof Mike Davidson and Dr Elliot Gilbert.

Abstracts are invited for the following topics:

- Plant Materials and Carbohydrates
- Lipids and Fats
- Dairy
- Drinks and Beverages
- Proteins and Complexes (incl. Amino Acids, Peptides, Enzymes, Meat/Muscle)
- Food packaging (incl. Food Quality and Preservation)
- Digestion, Metabolic processes and Nutrition (incl. Vitamins & Minerals
- Encapsulation and Controlled release
- Processing (incl. Rheology and Flow)
- Glassy States of Food and Hydration (incl. Water and Ice)
- Food Safety

Abstract deadline: 30 April 2010
Early bird registration closes: 31 July 2010

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http://www.nbi.ansto.gov.au/neutronsandfood

Cofirmed speakers include:

- Rex Hjelm, LANSCE, USA
- Carl Holt, U. Glasgow, UK
- John Katsaras, NRC, Canada
- Susan Krueger, NIST, USA
- Peter Lillford, U. York, UK
- Amparo Lopez-Rubio, IATA-CSIC, Spain
- Camille Loupiac, U. Burgundy, France
- Hans Tromp, NIZO, Netherlands

International Scientific Advisory Committee:

- Peter Belton, UEA, UK
- Arjen Bot, Unilever, Netherlands
- Jörg Fitter, Jülich, Germany
- Rex Hjelm, LANSCE, USA
- Peter Lillford, U. York, UK
- Duncan McGillivray, U. Auckland, New Zealand
- Phil Perkins, Bush Brothers, USA
- V. Prakash, CFTRI, India
- Hans Tromp, NIZO, Netherlands
- Johan Ubbink, Nestlé Research Centre, Switzerland
- Rickey Yada, U. Guelph; AFMNET, Canada

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