



# Nutrition & Health

Evaluating the latest innovations in diet, micronutrients and gut stability

Evening Networking Event: 19th September 2007, The Royal Society of Medicine, London

## Who should attend?

Chief Executives, Technology Directors and Senior Researchers involved in the area of nutrition and health, as well as research institutions from London, the South East and East of England involved in research in this field.

## Benefits of attending

- ✓ **EVALUATE** the main technological challenges regarding gut stability and nutrients
- ✓ **LOOK AT** the innovations within the supply chain of natural food products
- ✓ **DISCUSS** the link between diet and ageing
- ✓ **HIGHLIGHT** the available opportunities for collaborative research and partnerships between industry and academia

## About us

London Technology Network is a not-for-profit organisation. We help companies succeed through technology-intensive innovation.

## Speakers include:

**Dr Henglong Hu**  
Director, New Product Research  
Nutritional Healthcare R&D  
**GlaxoSmithKline**

**Dr Jonathan Powell**  
Senior Scientist  
**Unilever Corporate Research**

**Professor Ian Rowland**  
Head, Human Nutrition  
**University of Reading**

**Dr Linda Harvey**  
Human Nutrition Unit  
Partnership Leader  
**Institute of Food Research**  
Senior Research Scientist  
**University of East Anglia**

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For further information, contact [s.ohene@LTNetwork.org](mailto:s.ohene@LTNetwork.org)  
programme may be subject to change

# Nutrition & Health

## Evaluating the latest innovations in diet, micronutrients and gut stability

19th September 2007, The Royal Society of Medicine, London

The percentage of adults who are obese has roughly doubled since the mid-1980's. With the prevalence of obesity and other food related diseases on the increase it is vital that the link between nutrition and health is explored. This event will provide a unique forum in which to access the region's academic brilliance, and gain detailed knowledge of the cutting-edge research and developments in the field of nutrition and health. More specifically this event will consider:

- What are the latest challenges within functional foods?
- What are the technological issues surrounding nutrients and gut stability?
- What are the benefits of industry and academia working together?

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17.45 **Registration with tea and coffee**

18.15 **Introduction to aims and objectives of LTN**  
**Dr Supti Sarkar**, Technology Manager, **London Technology Network**

18.30 **Introduction by the chair to the main challenges surrounding nutrition and the healthcare industry**

- Looking at the wide range of health areas that are linked with nutrition i.e. obesity/allergy/diabetes etc
- Highlighting the interplay between genetics and nutrition
- Assessing where the main challenges are which need to be tackled to move the field forward

Chair: **Professor Ian Rowland**, Head, Human Nutrition, **University of Reading**

18.40 **Assessing the stability and viability of nutrients in the gut and the health implications**

- Investigating the effects of absorbable and non-absorbable dietary components on health: basic nutrition value and health promoting value
- Looking at gut stability for nutrients in functional foods
- Highlighting the healthcare industry's challenges in the nutrition marketplace
- Looking at where we go from here? What does the future hold?

**Dr Henglong Hu**, Director, New Product Research, Nutritional Healthcare R&D, **GlaxoSmithKline**

18.55 **Looking at the challenges surrounding micronutrient nutrition**

- Exploring research around micronutrients and optimal health – public health issues
- Assessing bioavailability – why it's important and how it's measured
- Addressing biofortification and functional food products – the need for industry and academia to work in partnership

**Dr Linda Harvey**, Human Nutrition Unit Partnership Leader, **Institute of Food Research**, Senior Research Scientist, **University of East Anglia**

19.05 **Addressing the challenge of the ageing demographic - opportunities for industry:academia partnerships**

- Pressing societal issues resulting from demographic change
- Examining the current status of research and industry engagement -who is doing what
- Highlighting the potential role of diet and lifestyle in healthy ageing
- Exploring a vision for the way forward

**Dr Jonathan Powell**, Senior Scientist, **Unilever Corporate Research**

19.20 **Question and answer session with the audience and speaker panel**

20.00 **Networking wine and buffet reception & poster sessions from across London, the South East's and East's universities showcasing their latest research**

### ***LTN's Mission:***

**To help technology-intensive companies be more effective and efficient in their “knowledge acquisition” from London's universities.**

Each month, London Technology Network brings together industrial and academic thought leaders in the most powerful new technologies, both on the stage and in the audience. LTN discussions identify common technology platforms shared across industries and disciplines, and explore how industry, government and academia can collaborate to introduce and exploit these technologies. Attendees build personal networks that foster efficient transfer of technology and drive down the cost and time to deliver new products to market. Through the London Innovation Relay Centre we also run a series of workshops to help London companies identify their technology needs and find suitable technology partners across the EU.

**Henglong Hu - GLAXOSMITHKLINE**

With a medical degree and a PhD in biochemistry, Dr. Henglong Hu has researched food, nutrition and health for many years in both academia and industry. Henglong worked for MRC and Unilever before, and is now a research director for GSK Nutritional Healthcare R&D.

**Ian Rowland - UNIVERSITY OF READING**

Ian Rowland has a BSc and PhD in microbiology from University College London and is a Registered Nutritionist. He is Professor of Human Nutrition and head of the Hugh Sinclair Unit of Nutrition at the University of Reading. He is on the editorial boards of 5 journals and is the author of over 200 scientific publications. Dr Rowland is a member of the UK Food Standards Agency Advisory Committee on Novel Foods and Processes and is Vice-Chairman of the UK Committee on Toxicity of Chemicals in Food, Consumer Products and the Environment. His current research areas include the role of diet (in particular probiotics, prebiotics, phytoestrogens, and phytochemicals) in prevention of colon, breast and prostate cancer. He was recently awarded an Honorary Doctorate from the University of Gent for his work on nutrition and cancer risk.

**Jonathan Powell - UNILEVER CORPORATE RESEARCH**

Dr Jonathan Powell is the Senior Scientist in the Corporate Biology Group located at Colworth Park in Bedfordshire. Jonathan Powell BSc, PhD has 28 years post-doctoral experience in Industry, leading a range of Bioscience projects centred around ageing, immunology/inflammation, metabolism, cell biology, nutrition and health outcomes. Jonathan has served and continues to serve on a number of BBSRC committees –most recently the Systems Biology Strategy Board, Agrifood Committee, Experimental Research into Ageing and currently the Healthy Organism Panel. He has participated in seven EU projects, most recently the F6 STREP Zincage and IP Exgenesis.

**Linda Harvey - UNIVERSITY OF EAST ANGLIA**

Following the award of a PhD from the University of East Anglia (UEA) in 1992 for research into structural studies of adsorbed proteins, she subsequently joined the Micronutrients Team in the Nutrition Department at the Institute of Food Research (IFR). Since then her research area has focussed on understanding human micronutrient metabolism which has involved coordinating human intervention studies aimed at quantifying bioavailability from foods and diets, and understanding the molecular mechanisms which underpin the key regulators of micronutrient homeostasis. She currently has a secondment to the UEA and has recently taken charge of the Human Nutrition Unit at IFR.

**Supti Sarkar - LONDON TECHNOLOGY NETWORK**

Dr Supti Sarkar works as a Technology Manager at the London Technology Network (LTN). Supti specialises in the life sciences sector concentrating on technologies within the Pharma, Biotech and Food Industries. Prior to joining LTN, Supti worked in Supply Chain Management at Unilever, working as part of the European Team at Unilever to enable cost saving measures to be introduced across the supply chain. Since joining LTN in September 2005, Supti has worked to help companies across the world engage effectively with academics in the South East of England, in order to help them address their technology needs. Supti holds a degree and Ph.D in Biochemical Engineering from University College London

**SPONSORSHIP**

This unique event will be an excellent forum to initiate new relationships through tailored networking and a showcase of the latest academic research. LTN offers a range of sponsorship packages to enhance your brand, for further information contact Kate Ray on **0870 730 8682** or email **k.ray@ltnetwork.org**.

**How to get there**

The Royal Society of Medicine,  
1 Wimpole Street, London, W1G 0AE  
Tel: 020 7290 2900

**Directions:****By Underground**

The nearest tube stations are Bond Street (Jubilee & Central Lines) and Oxford Circus (Bakerloo, Central & Victoria Lines), both with direct connections from Victoria, Marylebone, King's Cross, Euston, Waterloo, Paddington and Liverpool Street rail stations.

**By Road**

All bus stops along Oxford Street between Oxford Circus and Marble Arch are within walking distance to the RSM.

Car parks are located in Cavendish Square and Marylebone Lane, both five minutes walk away. There is a Master Park Car Park in Chandos Street, just a few minutes away from Chandos House.

