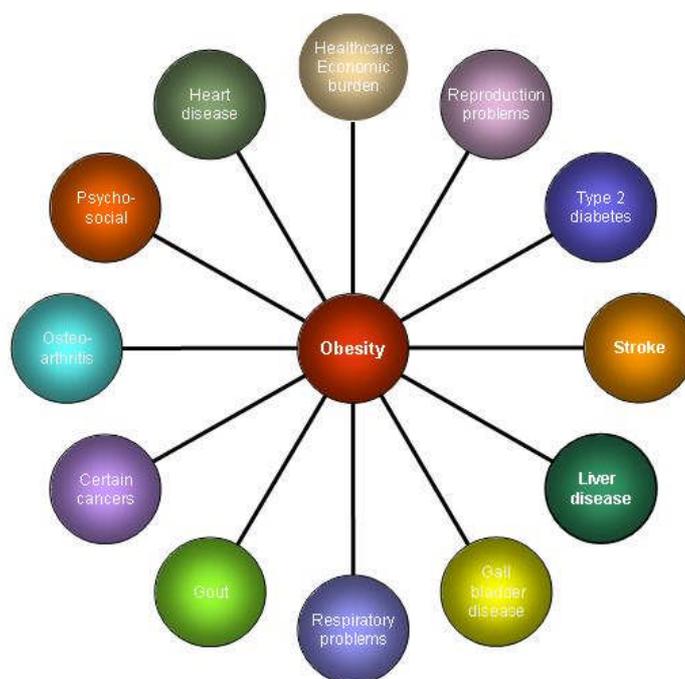


# Obesity: Molecular Mechanism and Approaches to Prevention and Treatment

26 November 2007  
Institute of Physics, London



## Obesity: Molecular Mechanism and Approaches to Prevention and Treatment

Obesity is recognized as the greatest current threat to human health world wide. Obesity (body mass index  $>30 \text{ Kg/m}^2$ ) is a serious chronic condition linked to an increased risk of cardiovascular disease, type 2 diabetes, hypertension, certain cancers, osteoarthritis, respiratory problems, gout, gall bladder disease, liver disease, stroke and reproduction problems. It can also be a key factor in some cases of clinical depression, low self esteem, job and social discrimination. Consequently, obesity is a major contributor to ill health and disability and places a tremendous economic burden on healthcare providers. The first line treatment for obesity is a calorie restricted diet and exercise but pharmacological intervention may also be required to maintain weight loss. Future biological and medicinal chemistry strategies should be aimed at prevention rather than on the treatment of its complications.

### Programme

09.30 **Coffee and Registration**

10.00 **Opening remarks and Session I**

Chair: Irene François

10.10 **John Wilding (University Hospital Aintree, UK)**

Obesity: finding pharmacological solutions to a 21<sup>st</sup> Century epidemic

10.50 **Philippe Froguel (Institut Pasteur de Lille, France)**

Influence of the genome on human obesity risk and associated phenotypes

11.30 **Daryl Rees (Phytopharm, UK)**

Hoodia: a functional food approach for obesity and weight management

12.10 **Lunch**

13.00 **Session II**

Chair : Martine Verhoeyen

13.05 **Paul Trayhurn (University of Liverpool, UK)**

Regulation of Energy Balance: the Adipose Organ and Obesity

13.45 **Lynda Williams (Rowett Research Institute, UK)**

Regulation of Energy Balance: the Brain and Obesity

14.25 **David Mela (Unilever, UK)**

Food industry targets and ingredients for weight management

15.05 **Tea**

### 15.30 **Session III**

Chair: Klaus Rumpel

### 15.35 **Alistair Barr (University of Oxford, UK)**

The human protein-tyrosine phosphatome (PTPome): structure, function, inhibitors and metabolic disease

### 16.15 **Leifeng Cheng (AstraZeneca, Sweden)**

Structure-activity relationship of 5,6-Diaryl-pyrazine-2-amides, a novel class of CB1 receptor antagonists

### 16.55 **Closing Remarks**

## Venue

The conference will be held in the Franklin Theatre at the Institute of Physics, Portland Place in central London. The nearest Underground Stations are Regent's Park and Great Portland Street; Oxford Circus is a 10 minute walk.

## Application and Fees

Please apply on the attached form or a photocopy (one form per delegate). The registration fee includes attendance, lunch and refreshments. The organizers are not registered for VAT.

RSC members	£140
Non-members	£190
RSC student or retired members	£70
Non-member students	£95

There is a late application fee after **31 October**. No refunds can be given after this date but substitutions are possible at any time.

## Organising Committee

Dr Irene Francois, Consultant, Drug Discovery / Pre-Clinical Development  
Dr Martine Verhoeyen, Unilever  
Dr Klaus Rumpel, Pfizer

## Secretariat

Elaine Wellingham, Conference Secretariat  
Field End House, Bude Close, Nailsea, Bristol BS48 2FQ  
Tel and Fax: +44 (0)1275 853311 Email: [esw@confsec.co.uk](mailto:esw@confsec.co.uk)

**Obesity**  
**26 November 2007, London**

**APPLICATION FORM**

Please complete clearly and return with your remittance to Conference Secretariat, Field End House, Bude Close, Nailsea, Bristol BS48 2FQ. Fax: +44 (0)1275 853311. Payment information can be found overleaf. Please enclose a note of any dietary or other special requirements. There is a late application fee after **31 October**.

Title (Prof, Dr etc): .....

First Name: .....Surname: .....

Organisation: .....

Address: .....

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.....Postcode.....

E-mail: (for acknowledgement and List of Participants)

.....

Tel and Fax (for contact by us) .....

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Please tick as appropriate.

**Up to 31 October**

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SIGNED .....DATE .....

**Payment Methods**

**1. Cheque**

I enclose a cheque payable to **Biotechnology Group** for £ .....

**2. Bank Transfer**

Payments can be made by BACS, please contact Conference Secretariat for the details.

**3. Credit Card**

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DATA PROTECTION: The information you supply will be used for the administration of the meeting. A List of Participant names and email addresses will be distributed at the conference. If you DO NOT wish your address to be included, please tick the box.