The second
International
Nutrigenomics
Conference
From nutrigenomics
to nutritional systems biology

6-7 November 2003
NH Barbizon Palace Hotel
Amsterdam, the Netherlands
Nutrigenomics is the application of high-throughput genomics tools in nutrition research. Applied wisely, it will promote an increased understanding of how nutrition influences metabolic pathways and homeostatic control, how this regulation is disturbed in the early phase of a diet-related disease and to what extent individual sensitising genotypes contribute to such diseases. Ultimately, nutrigenomics will allow effective dietary-intervention strategies to recover normal homeostasis and to prevent diet-related diseases.1

The second International Nutrigenomics Conference – From nutrigenomics to nutritional systems biology – will focus on nutrigenomics and:

• state-of-the-art and new challenges
• disease prevention and health promotion
• cancer and intestinal health
• metabolism related issues
• personalised nutrition
• challenges in communication and education
• bioactivity profiling and discovery

The members of the Advisory Committee and Organising Committee look forward to your participation in the information packed conference and interactive discussion sessions taking place in the very heart of Amsterdam, the Netherlands!

**Wednesday 5 November 2003**

20.00 Informal get-together: boattrip across the Amsterdam canals

**Thursday 6 November 2003**

08.45 Opening of The second International Nutrigenomics Conference
Dr. N.J. Snoeij
Director TNO Nutrition and Food Research, The Netherlands

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**Session 1**

**State-of-the-art and new challenges**

Chair: Prof.dr. J.B. German
*Nestlé Research Centre, Switzerland/University of California, Davis, USA*

09.00 *Nutrigenomics: where are we now?*
Dr. B. van Ommen
*TNO Nutrition and Food Research, the Netherlands*

09.30 *Bridging nutrigenomics and traditional nutrition*
Prof.dr. J.C. Mathers
*University of Newcastle, UK*

10.00 *The concept of early biomarkers in nutritional systems biology*
Prof.dr. J. van der Greef
*TNO Systems Biology, the Netherlands*

10.30 Coffee/tea break

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**Session 2**

**Disease prevention and health promotion: general issues**

Chair: Dr. B. van Ommen
*TNO Nutrition and Food Research, the Netherlands*

11.05 Introduction by the chair

11.15 *Nutrigenomics from molecular signalling to organ-cross-talk*
Prof.dr. M. Müller
*Wageningen University and Research Centre, the Netherlands*

11.45 *The bottleneck of data interpretation*
Prof.dr. A. Biggeri
*University of Florence, Italy*

12.15 *Nutrigenomics concepts in assessment of benefits and safety*
Dr. J.P. Groten
*TNO Nutrition and Food Research, the Netherlands*

12.45 Lunch break and poster session
Session 3
Disease prevention and health promotion: cancer and intestinal health

Chair: Dr. W. Hunziker
Roche Vitamins, Switzerland

14.00 Introduction by the chair

14.10 Nutrigenomic profiling of soy isoflavones: implications for chemoprevention
Dr. P.J. Gillies
E.I. DuPont de Nemours, USA

14.40 Lycopene and vitamin E in prostate cancer – a nutrigenomic approach
Dr. U. Siler
Roche Vitamins, Switzerland

15.10 Nutrigenomics and nutrient transport processes
Mrs. Prof.dr. H. Daniel
Technical University of Munich, Germany

15.40 Genes, inflammation and immune response in the host-microbe interaction
Speaker to be announced

16.10 Coffee/tea break

Session 4
Disease prevention and health promotion: metabolism related health issues

Chair: Prof.dr. M. Müller
Wageningen University and Research Centre, the Netherlands

16.40 Introduction by the chair

16.50 From chronic metabolic stress to metabolic syndrome
Mrs. Dr. M.H. Dohnalek (invited)
Abbott Laboratories, USA

17.20 Lipid profiling in the nutrition and health relationship
Dr. S.M. Watkins
The Lipomics Technologies, USA

17.50 Nutrition, genes and obesity
Dr. D. Langin
Inserm, France

18.20 End of the first conference day
18.30 - 19.30  Discussion sessions in the ‘Scientific Café’

Discussion session 1
Nutrigenomics:  
Lost between pharma and nutrition

Chair:  To be announced

Discussion session 2
Nutrigenomics in Europe:  
the NuGO developments as an example

Chair:  Dr. B. van Ommen
TNO Nutrition and Food Research, the Netherlands

Discussion session 3
Nutrigenomics:  
communicating emerging science to all stakeholders

Chair:  Mr. D. Schmidt
International Food Information Council, USA

20.30  Conference dinner

The conference dinner will take place in the 15th century St. Olofs Chapel
Session 5
Personalised nutrition

Chair: Dr. J. Maat
Unilever, the Netherlands

08.30 Introduction by the chair

08.35 Personalised nutrition: fact or fiction
Mrs. Dr. R. Weggemans
Unilever, the Netherlands

09.00 Nutrigenomics: the genetic component
Prof.dr. H.-G. Joost
German Institute of Human Nutrition, Germany

09.30 Personalised nutrition and nutrigenetics
Mrs. Dr. R.D. Gill-Garrison
Sciona, UK

10.00 The impact of nutrigenomics from a business perspective
Speaker from Roche Consumer Health, Switzerland (invited)

10.30 Coffee/tea break

Session 6
Nutrigenomics: challenges in communication and education

Chair: Dr. P.J. Gillies
E.I. DuPont de Nemours, USA

11.00 Introduction by the chair

11.10 Nutrigenomics: the importance of pro-active dialogue
Mrs. A. Jung
European Food Information Council, Belgium

11.40 How to reach a tipping point in nutrigenomics for the healthcare provider?
Dr. R.F. Kushner
Northwestern Memorial Hospital, USA

12.10 Ethics guidelines for nutritional genomics and genetics
Dr. D. Castle
University of Guelph, Canada

12.40 Lunch and poster session
Session 7
Bioactivity profiling and discovery

Chair: Prof. dr. J. van der Greef
TNO Systems Biology, the Netherlands

14.00 Introduction by the chair

14.10 Nutrigenomics based screening approaches
Dr. H. Kato and Dr. K. Abe
University of Tokyo, Japan

14.40 Discovery of bioactive molecules in functional foods
Prof. dr. H. Irth
Kiadis, the Netherlands

15.10 Nutritional recommendations for the prevention of cardiovascular disease: 'double-twisting the Pyramid'
Prof. dr. J. Ordovas
Tufts University, USA

15.40 Closing lecture:
Complementary opportunities for industry and academia in nutritional systems biology
Prof. dr. J.B. German
Nestlé Research Centre, Switzerland/University of California, Davis, USA

16.15 Closing of The second International Nutrigenomics Conference
Dr. B. van Ommen
TNO Nutrition and Food Research, the Netherlands
The second International Nutrigenomics Conference

General information

Venue, fee and discounts
The second International Nutrigenomics Conference will be held 6-7 November 2003 in NH Barbizon Palace Hotel, Amsterdam, the Netherlands (www.nh-hotels.com).

NH Barbizon Palace Hotel is located in the very heart of Amsterdam, a stone’s throw from the main entertainment and shopping areas as well as from the financial district. This unique five-star Hotel is partly built behind the restored facades of 19 historic buildings, most of which date from the 17th century, the Dutch Golden Age.

NH Barbizon Palace Hotel is within easy reach by train from Amsterdam Schiphol Airport (departures every 15 minutes). The Hotel is located just in front of Amsterdam Central Station.

The participant fee is EUR 900.- (19% VAT exclusive), including the informal get-together boattrip, lunches and coffee/tea as announced in the timetable, and the book of abstracts. The participant fee does not include hotel accommodation.

Multiple registration discounts: two participants registering at the same time from the same company receive a 10% discount from the participant fee; a group of three receive a 15% discount.

Special rates: for participants from universities and research institutes, EUR 700.- (19% VAT exclusive), and for NuGO partners, EUR 600.- (19% VAT exclusive). Please note: the multiple registration discounts do not apply to these special rates.

Hotel accommodation
Participants are responsible for making their own reservations by sending the enclosed Hotel Reservation Form to NH Barbizon Palace Hotel directly. The Hotel is holding a block of rooms at a reduced rate for participants. Depending on the attendance participants might be accommodated in other hotels than NH Barbizon Palace Hotel.

Call for poster abstracts
Interested participants are invited to submit one-page abstracts for posters by no later than 1 October 2003. The members of the Organising Committee will evaluate the abstracts.

Exhibition/sponsorship
Parallel to the conference a commercial exhibition will be organised in which presentations related to (nutri-)genomics are given. Participants of the conference have ample opportunity to visit the exhibition during the various breaks. Companies and organisations interested in having an exhibition stand or in sponsoring are invited to contact the Conference Secretariat.

Internet
The website of The second International Nutrigenomics Conference can be found at: www.bastiaanse-communication.com and www.voeding.tno.nl under ‘News’.

Language
English will be the official conference language.

It may be necessary for reasons beyond the control of the organisers to alter the content and timing of the programme or the identity of the speakers.

Registration
To register for The second International Nutrigenomics Conference please fax or send the enclosed Conference Registration Form to the Conference Secretariat. On Thursday evening 6 November 2003 a conference dinner will be organised; reservations can be made on the Conference Registration Form.

The registration desk will open on Wednesday 5 November 2003 at 4.00 p.m.