



The second

International Nutrigenomics Conference

*From nutrigenomics
to nutritional systems biology*



**FINAL
ANNOUNCEMENT**

**PROGRAMME
AND
REGISTRATION**

6-7 November 2003

**NH Barbizon Palace Hotel
Amsterdam, the Netherlands**

Welcome

The second
**International
Nutrigenomics
Conference**

*From nutrigenomics
to nutritional systems biology*

6-7 November 2003

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!

¹ *Nature Reviews Genetics* 4, 315 -322 (2003)

Advisory Committee

Mrs. Prof.dr. H. Daniel - *Technical University of Munich, Germany*

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

Dr. P.J. Gillies - *E.I. DuPont de Nemours, USA*

Dr. W. Hunziker - *Roche Vitamins, Switzerland*

Dr. J. Maat - *Unilever, the Netherlands*

Prof.dr. M. Müller - *Wageningen University and Research Centre, the Netherlands*

Organising Committee

Mrs. H.B. Bastiaanse - *Bastiaanse Communication, the Netherlands*

Prof.dr. J. van der Greef - *TNO Systems Biology, the Netherlands*

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

Prof.dr. G. Schaafsma - *TNO Nutrition and Food Research, the Netherlands*

Conference Secretariat

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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

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

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

Thursday 6 November 2003

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

Thursday 6 November 2003

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

Friday 7 November 2003

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 boatrip, 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.

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.

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.

Conference Secretariat

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