



10th NuGOweek
NUTRIGENOMICS
& more

9 -12 September 2013, Freising-Weihenstephan, Germany



Program with Speakers

About Z I E L Research Center for Nutrition and Food Sciences

The Technische Universität München (TUM) has initiated an ambitious reform program that aims to devise nutrition and food research that is fit for the future and to improve the institution's international competitiveness. The result is a network of academic competence that is unique within Germany: the Z I E L Research Center for Nutrition and Food Sciences at TUM acts as an interface for scientific expertise in the fields of food, nutrition and health sciences. Therefore, Z I E L has merged the disciplines of food science with those of nutritional science and complemented them with the new units of Nutritional Medicine and Food Biofunctionality. The Center's work looks at the food chain as a whole, from the generation of raw materials to the handling and processing of foodstuffs, and beyond to human physiology and pathophysiology.

About NuGO

NuGO is an Association of Universities and Research Institutes focusing on jointly developing the existing research area of nutrigenomics and nutritional systems biology. NuGO evolved from a EU Sixth Framework Network of Excellence, and is now expanding to global dimensions. NuGO has two major objectives: Stimulating developments in nutrigenomics, nutrigenetics and nutritional systems biology, and incorporating these aspects in nutrition and health research, by joint research projects, conferences, workshops and training. And secondly, shaping the nutrition bioinformatics infrastructure, by initiating, coordinating, facilitating projects in this area and by hosting and disseminating all data, results and information in this area. NuGO holds an annual conference, the NuGO week.

We are pleased to announce the 10th NuGOweek at the Technische Universität München in Germany

About DGE

The German Nutrition Society (DGE) is a non-profit organization committed to scientific facts. The main functions of the DGE are: Supporting research on nutrition science, ascertaining topics for nutritional research, compiling and evaluating research results on nutrition science and related disciplines. Announcing research results on nutrition science and related disciplines by publications and events. The DGE organises congresses, symposia, workshops and seminars. The DGE's Head Office is based in Bonn with branch offices in 9 federal states.

Monday, 9th September 2013

12:00 Registration

16:30 – 18:00 Opening and welcome – Hannelore Daniel, Technische Universität München, Germany

Evolution & genomes

Archaic genomes and human evolution

Mark Stoneking, MPI Anthropology, Leipzig, Germany

Molecular evolution of taste perception

Stephen Wooding, University of Texas, Dallas, USA

19:30 Get-together

Tuesday, 10th September 2013

09:00 – 10:30

Genes and what we like

From receptors to hedonism

Wolfgang Meyerhoff, DIfE, Potsdam, Germany

Genetics and food preferences

Danielle Reed, Monell Chemical Senses Center, Philadelphia, USA

Short presentations

10:30 – 11:00

Coffee break

11:00 – 12:30

Genes and BMI

In search of the genetic basis of human obesity

Johannes Hebebrand, LVR Klinikum, Duisburg-Essen, Germany

From an obesity SNP to mechanism

Martin Klingenspor, Technische Universität München, Germany

Short presentations

12:30 – 14:00

Lunch break

12:45 – 13:35

Press conference

14:00 – 15:30

Genetics and genomics in metabolic syndrome research

Omics applications in metabolic syndrome research

Karine Clément, Cordelier Research Centre, Paris, France

Genetics, metabolomes and metabolic syndrome

Rui Wang Sattler, AME, Helmholtz Zentrum München, Germany

Short presentations

15:30 – 16:00

Coffee break

16:00 – 17.30

Diet and genome in cancer development

Gene-dietary interactions and risk of colorectal cancer

Jane Figueiredo, Keck School of Medicine, University of Southern California, Los Angeles, USA

Genes versus environment in cancer development

Johanna Lampe, Fred Hutchinson Cancer Research Center, Seattle, USA

Short presentations

17.30 – 19:00

Poster session 1

19:00

Beach volleyball and barbecue

Wednesday, 11th September 2013

09:00 – 10:30 **Genetics and genomics in diabetes research**

Genes vs environment in type 1 diabetes

Anette Ziegler, IDF, Helmholtz Zentrum München, Technische Universität München, Germany

The impact of genes and dietary components on the development of type 2 diabetes

Annette Schürmann, DIfE, Potsdam, Germany

Using systems biology to dissect the genetics of type 2 diabetes

Leif Groop, Lund University, Sweden

10:30 – 11:00 Coffee break

11:00 – 12:30 **Poster session 2**

12:30 – 14:00 Lunch break

14:00 – 16:00 **Biology of omega-3-fatty acids**

Nutrigenomics applications to omega-3-PUFA in inflammation

Rui Curi, University of São Paulo, Brasil

Nutrigenomics applications to omega-3-PUFA in pregnancy and obesity

Bernhard Bader, Technische Universität München, Germany

Short presentations

16:00 – 16:30 Coffee break

16:30 – 17.30 **Diet responses on the background of genetic variation**

Metabolic and inflammatory synergies – insights from the genetic and molecular perspectives

Helen Roche, University College of Dublin, Ireland

Gene-nutrient interactions in the context of insulin sensitivity and metabolic syndrome

José López Miranda, University of Cordoba, Spain

17:30 – 18.00 **The future of diet-health research in Europe/1**

Joint programming initiative: A healthy diet for a healthy life

Wim Saris, Maastricht University Medical Centre, The Netherlands

18:30

Freisinger Volksfest

Thursday, 12th September 2013

09:00 – 10:00 Nutrigenomics technologies

Industry talk – Genomes, promoters and diseases

Martin Seifert, Genomatix Software GmbH, München, Germany

Industrie talk – Metabolomics for food and health research

Dietrich Rein, Metanomics Health, Berlin, Germany

10:00 – 10:30 Coffee break

10:30 – 12:00 New Projects – new approaches

Food4Me – towards personalized nutrition

Marianne Walsh, UCD, Dublin, Ireland
Jo Goosens, De Hoorn Creative Minds, Belgium

Nutritional phenotype data base/EuroBAND

Jildau Bouwman, Netherlands Metabolomics Centre, Leiden; TNO, Zeist, The Netherlands

12:15 – 13:00 The future of diet-health research in Europe/2

Horizon 2020 – programs and instruments

Laura Alexandrescu, EU Commission, Brussels, Belgium

Closing

13:00 Lunch to go

13:00 – 15:00 NuGO participants assembly

Venue

Technische Universität München
Central auditorium (ZHG)
Maximus-von-Imhoff-Forum 6
85350 Freising-Weihenstephan

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