

**2nd International Symposium
of the
Human Nutrition & Metabolism
Research and Training Center**

Karl-Franzens University of Graz

The Epidemics of the 21st Century

**Obesity, Diabetes Mellitus and Chronic Renal
Failure:
Genotypes,
Phenotypes and
Bioactive Dietary Constituents**

Preliminary Program

**October 9-10, 2006
Festsaal, Meerscheinschlössl
Karl-Franzens Universität
Graz, Austria**

Invitation

Dear Colleagues and Friends,

We are delighted to welcome you warmly to the 2nd International Symposium of the Human Nutrition & Metabolism Research and Training Center (HNMRC) Graz, which will be held on October 9–10, 2006, at the Karl-Franzens University of Graz.

This year's symposium is focused on obesity and diabetes mellitus, and related complications such as diabetic nephropathy and subsequent chronic renal failure, representing major health concerns of the 21st century. Protein modifications, inflammatory mediators and oxidative stress are among the major underlying pathophysiological mechanisms. Contributions will focus on genotype-phenotype associations as well as on the pathophysiological significance of bioactive dietary constituents for targeting these diseases. Partners of two European networks will actively participate in the symposium: PREDICTIONS (PREvention of DIabetic ComplicaTIONS), a EU-funded network of the 6th Framework Program with research groups of 7 European universities and 2 SMEs aimed at identifying pathophysiological relevant genes and biomarkers correlated to the development, progression and therapy of diabetic nephropathy, and COSPI (COmbating Obesity: Strategies for PREvention and Intervention), a network of 20 European partners established to design and deliver an intensive educational ERASMUS SOCRATES Program of the European Commission.

Outstanding international experts have again accepted the invitation to deliver state-of-the-art lectures and scientists of different disciplines are invited to exchange their research outcomes and further contribute to the success of this meeting.

Graz is the second largest city of Austria with deep historical and cultural roots. Its vicinity with the vineyards of Southern Styria and the Lipizzaner stud farm in Piber, among many other sights and events, are particularly attractive at this time of the year.

We very much hope that you will have a rewarding and enjoyable visit to Graz for the 2nd International Symposium of the HNMRC Graz.

Graz, October 2006

Brigitte M. Winklhofer-Roob

Monday, October 9th, 2006 - Morning

8:00 – 8:30 Registration
8:30 – 9:00 Opening and welcome addresses

Session I: Diabetic Nephropathy: Genotype & Phenotype

Chair: Bart Janssen (Germany) and Gerjan Navis (Netherlands)

..9:00 – 9:30 **Diabetic nephropathy**
 Hans Baelde (Groningen, Netherlands)

..9:30 – 10:30 **Association of diabetic nephropathy
with the carnosinase gene CNDP1**
 Bart Janssen (Heidelberg, Germany)

10:00 – 10:30 **Genetic polymorphisms of the RAL-
NF-kB system and diabetic
nephropathy**
 Marie Cerna (Prague, Czech Republic)

10:30 – 11:00 *Coffee break and poster viewing*

Session II: Diabetic Nephropathy: Genotype & Phenotype

Chair: Emile de Heer (Netherlands) and Thomas Wascher (Austria)

11:00 – 11:30 **Association of CNDP1 genotype and
endstage renal disease**
 Emile de Heer (Leiden, Netherlands)

11:30 – 12:00 **Modulation of renal genotype-
phenotype relation by salt intake,
glycemia, and body mass index.**
 Gerjan Navis (Groningen, Netherlands)

12:00 – 12:30 **The role of carnosine on
hyperglycemia-induced matrix
accumulation**
 Hannes Köppel (Mannheim, Germany)

12:30 – 13:00 **High resolution urinary proteome
analysis for prognosis and therapy
evaluation of diabetic nephropathy**
 Petra Zürbig (Hannover, Germany)

13:00 -14:00 *Lunch break*

Monday, October 9th, 2006 - Afternoon

Session III: Obesity and Diabetes mellitus

Chairs: Paul Thornalley (UK) and Berthold Koletzko (Germany)

- 14:00 – 14:30 **Perinatal programming of childhood obesity**
Berthold Koletzko (Munich, Germany)
- 14:30 – 15:00 **Disturbance of thiamine metabolism in clinical diabetes and link to vascular disease**
Paul Thornalley (Essex, UK)
- 15:00 – 15:30 **Protein glycation in streptozotocin induced diabetic rats and prevention by thiamine and Benfotiamine.**
Naila Rabbani (Essex, UK)

15:30 – 16:00 *Coffee break and poster viewing*

Session IV: Chronic Renal Failure and Inflammation:

Chairs: Nick Topley (UK) and Brigitte M. Winklhofer-Roob (Austria)

- 16:00 – 16:30 **Inflammation and fibrosis within the peritoneal cavity in peritoneal dialysis**
Nick Topley (Cardiff, UK)
- 16:30 – 17:00 **Anemia and inflammation: the cytokine-hepcidin link**
Robert Deicher (Vienna, Austria)
- 17:00 – 17:30 **Biomarkers of oxidative stress in end-stage renal disease: i.v. iron, vitamins E and C, and inflammation**
Brigitte M. Winklhofer-Roob (Graz, Austria)

Session V: Poster Session: Genotypes and Phenotypes and Bioactive Dietary Constituents

Chairs: Maret Traber (USA) and Olaf Stanger (Austria)

17:30 – 19:00 *Guided poster walk*

20:30 *Welcome Reception*

Monday, October 9th, 2006 - Afternoon

COSPI Kick-off Meeting: Part II

17:30 – 20:00 **Participants:**
Szilvia Bokor (Pecs, Hungary)
Anne de Looy (Plymouth, UK)
Hans Demmelmair (Munich, Germany)
Sabine Dietrich (Vienna, Austria)
Katrin Grau (Copenhagen, Denmark)
Renate Horejsi (Graz, Austria)
Pedro Marques Vidal (Lisbon, Portugal)
Tommy Visscher (Amsterdam, Netherlands)
Brigitte M. Winklhofer-Roob (Graz, Austria)

Tuesday, October 10th , 2006 - Morning

Session VI: Bioactive Dietary Constituents

Chairs: Maret Traber (USA) and Balz Frei (USA)

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|---------------|--|
| 8:30 – 9:00 | TBA
TBA |
| 9:00 – 9:30 | Dietary flavonoids and flavonoid-rich foods: biological and antioxidant effects in vitro and in vivo
Balz Frei (Corvallis, USA) |
| 9:30 – 10:00 | New developments in carotenoid research – from the Boston (Tufts) Human Nutrition Research Center
Robert M. Russell (Boston, USA) |
| 10:00 – 10:30 | Ascorbic acid: its tight control in humans: Implications for health, disease, and disease treatment
Mark A. Levine (Bethesda, USA) |
| 10:30 – 11:00 | <i>Coffee break and poster viewing</i> |

Session VII: Bioactive Dietary Constituents

Chairs: Robert M. Russell (USA) and Mark A. Levine (USA)

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|---------------|--|
| 11:00 – 11:30 | Vitamin E: functions and requirements in health and disease
Maret G. Traber (Corvallis, USA) |
| 11:00 – 11:30 | Assessment of B vitamin status in Austria. Implications, recommendations and recent developments.
Olaf Stanger (Salzburg, Austria) |
| 12:00 – 12:30 | Variability of the antioxidant content in fruits
Susanne Kiefer (Vienna, Austria) |
| 12:30 – 13:00 | Tracing fatty acids with stable isotopes
Hans Demmelmair (Munich, Germany) |
| 13:00 – 14:00 | <i>Lunch break and poster viewing</i> |

Tuesday, October 10th, 2006 - Afternoon

Session VIII: Obesity: Genotype and Phenotype

Chairs: Marques Vidal (Portugal) and Peter Weber (Switzerland)

- 14:00 – 14:30 **TBA**
TBA
- 14:30 – 15:00 **Adipose triglyceride lipase: functional
role in lipolysis and obesity**
Günter Hämmerle (Graz, Austria)
- 15:00 – 15:30 **Genetic polymorphisms and weight
loss in obesity: a randomised trial of
hypo-energetic high versus low fat
diets**
Katrin Grau (Copenhagen, Denmark)

15:30 – 16:00 *Coffee break and poster viewing*

Session IX: Obesity: Genotype and Phenotype

Chairs: Tommy Visscher (Netherlands) and Anne de Looy (UK)

- 16:00 – 16:30 **How to define obesity: body mass
index or fat mass ?**
Pedro Marques Vidal (Lisbon, Portugal)
- 16:30 – 17:00 **TBA**
Tommy Visscher (Amsterdam,
Netherlands)
- 17:00 – 17:30 **TBA**
TBA

Session X: Poster Session: Methods for detecting the effects of bioactive dietary constituents

Chairs: TBA

17:30 – 18:30 *Guided poster walk*

Poster Prize and Closing Ceremony

19:00 *End of meeting*

Satellite Meetings (members of consortia only)

Saturday, October 7th, 2006

2nd Plenary Meeting of the PREDICTIONS Consortium

Coordinator: Bart Janssen (Heidelberg, Germany)
Partner 1: Bart Janssen (Heidelberg, Germany)
Partner 2: Brigitte M. Winklhofer-Roob (Graz, Austria)
Partner 3: Emile de Heer (Leiden, Netherlands)
Partner 4: Gerjan Navis (Groningen, Netherlands)
Partner 5: Paul Thornalley (Essex, UK)
Partner 6: Marie Cerna (Prague, Czech Republic)
Partner 7: Lise Tarnow (Copenhagen, Denmark)
Partner 8: Harald Mischak (Mosaïques Diagnostics, Hannover, Germany)
Partner 9: Marcus Wörwag (Wörwag Pharma, Böblingen, Germany)

**Sunday, October 8th, 2006, and Monday,
October 9th, 2006**

Kick-off Meeting of the COSPI Consortium

Coordinator: Brigitte M. Winklhofer-Roob (Graz, Austria)
Organisational Committee/ WP Leaders:
Jacob Seidell (Amsterdam, Netherlands)
Dénes Molnar (Pecs, Hungary)
Berthold Koletzko (Munich, Germany)
Michael Sjöström (Stockholm, Sweden)
Thorkild Sørensen (Copenhagen, Denmark)
Quality Control Committee/ WP Leaders:
Anne de Looy (Plymouth, UK)
Véronique Azais-Braesco (Clermont-Ferrand, France)
Stefaan de Henauw (Ghent, Belgium)
Anke Hinney (Essen, Germany)
Pedro Marques Vidal (Lisbon, Portugal)
Emese Antal (Budapest, Hungary)

Meeting Information

Abstracts

Abstracts covering original research outcomes in one of the main topics as well as abstracts referring to methods for detecting the effects of bioactive dietary constituents are invited for poster presentation.

Deadline for abstract submission is October 2, 2006. Abstracts should be submitted to abstract.hnmrc@uni-graz.at. Abstract submitters will be notified about abstract acceptance by October 3, 2006.

Abstracts must meet the following criteria:

- One page A4, font: arial 10 pt
- Title: bold and 12 pt
- Name of authors and affiliation: 10pt
- Title and name of authors separated by one blank line
- Body of abstract: 10 pt, organized as background; study aims; subjects and methods; results; summary and conclusions

Posters

Posters size is A0 (118,9 cm height x 84,0 cm). Posters should be mounted on Monday morning between 8:00 a.m. and 8:30 a.m. and remain on display during the entire meeting. There will be plenty of time for poster viewing during coffee breaks and lunch breaks. A panel of experts will review the posters and select the HNMRC Casa Medica Poster Prize 2006 winner. The poster prize (EUR 300) will be awarded on Tuesday during the Poster Prize and Closing Ceremony and the winner is invited to present the poster (2 slides, 5 minutes).

Badges

Participants will receive a personalized badge when collecting the meeting documents. The badge must be clearly visible at all times and grants access to the scientific sessions.

Continuing medical education (CME) credit

Approved for the Diplomfortbildungsprogramm (DFP) of the Österreichische Ärztekammer for Internal Medicine, Pediatrics, and General Medicine.

Registration

Early registration (before October 5, 2006)

Full fee	EUR 200.00
Student fee	EUR 50.00

To qualify for a reduced fee, the registration fee needs to be deposited to the account of the University of Graz before October 8, 2006. Please deposit the registration fee to the account of the University of Graz, Bank Austria Creditanstalt, BLZ 12000, IBAN AT32 1200 0500 9550 0605, BIC BKAUATWW, account No. 500 955 006 05, Innenauftrag A28169000005 "HNMRC-Meeting".

Late/onsite registration (after October 5, 2006)

Full fee	EUR 250.00
Student fee	EUR 70.00
One day registration	EUR 100.00

On-site registration

Monday, October 9 th	8:00 – 8:30
Tuesday, October 10 th	8:00 – 8:30

The registration fee covers the following:

- Admission to all scientific sessions and poster exhibition
- Conference materials (conference folder, final programme, abstract volume, badge)
- Coffee breaks on 2 days
- Light luncheons on 2 days
- Welcome reception

Meeting information

Congress venue

The meeting will be held at the Festsaal of the Meerschein-schlössl, Karl-Franzens University, Mozartgasse 3, 8010 Graz.

Certificate of attendance

A certificate of attendance will be included in the conference materials.

Language

The official language is English.

Lunches and coffee breaks

Lunch snacks and coffee breaks are included in the registration fee and will be served in the poster exhibition area.

For further information please contact

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