



**European Commission supported
Scientific Workshop**


**EARLY NUTRITION AND ITS LATER CONSEQUENCES:
NEW OPPORTUNITIES**

2-3 JULY 2004 - PALAIS DES CONGRES, PARIS, FRANCE

www.metabolic-programming.org

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is gratefully acknowledged.*

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|  | <p><i>prior to 2nd World Congress of Paediatric Gastroenterology, Hepatology, and Nutrition www.wcpghn2004.com</i></p> |
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PROGRAMME

Thursday 1 July 2004

18.00-19.00 Registration, Poster Mounting

19.00 Welcome Cocktail

Friday 2 July 2004

8.00 –9.00 Registration, Poster Mounting

9.00-11.00

Room : 252 B

Welcome and Introduction

Co-chairs: Peter Dodds, Berthold Koletzko,

9.00 Scope and aims of this Workshop

Berthold Koletzko, Univ. of München, Germany

9.10 The future of European research

Michel Claessens, Acting Head of Unit, Information and Communication
Research DG European Commission, Brussels, Belgium

The concept of early metabolic imprinting of adult health

9.20 The developmental origins of adult health and well-being

Alan Lucas, Insitute of Child Health, London, UK

10.00 Long-term effects of breast feeding on later health

Kim Michaelsen, Dept of Human Nutrition, Copenhagen, Denmark

10.30 Experimental evidence for long-term programming effects of early diet

Michael Symonds, Univ. of Nottingham, UK

11.00-11.30

Coffee break

11.30-13.00

Imprinting the Risk of Obesity and Metabolic Syndrome

Room : 252 B

Co-chairs: Daniel Brasseur, Piotr Socha

11.30 Candidate genes for obesity - how might they interact with environment and diet?

Sadaf Farooqi, University Department of Medicine and Department of Clinical Biochemistry,
Addenbrooke's Hospital, Cambridge, UK

12.00 Rate of growth in early life. A predictor of later health?

Marie-Françoise Rolland-Cachera, Inserm, Paris, France

12.25 PC 40 - Abstract presentation: EFFECT OF SIZE AT BIRTH ON GLUCOSE TOLERANCE IN PIGS AT 5 MONTHS OF AGE

Katharine Perkins et al., Imperial College London, UK

12.35 Does breast feeding reduce later obesity risk? A meta-analysis

Rüdiger von Kries, Univ. of München, Germany

13.00-14.00

Lunch, Poster Viewing

14.00-15.30

Discussion Forum: From Innovation to Implementation

Room : 252 B

Co-chairs: Hildegard Przyrembel, Jean Michel Antoine

- Evaluation of infant formulae modifications: the view of ESPGHAN (Olle Hernell, M.D., Professor of Paediatrics, University of Umeå, Sweden)
- New infant formula ingredients, composition and claims: prerequisites in the European Union
Dominique Turck, Unité de Gastro-entérologie, Hépatologie et Nutrition, Lille, France
- Current barriers for implementing innovations
(Elaine Underwood, Wyeth, UK; Marie-Christine Secretin, Nestlé, France)
- Discussion and panel conclusions

Discussion Forum: Challenges and opportunities in Pan-European Research Collaboration for researchers from Central and Eastern Europe

Room : 252 A

Co-chairs: Sanja Kolaček, Hania Szajewska

Statements by investigators from different parts of Central and Eastern Europe (Tamás Decsi, Pecs, Hungary; Igor Kon, Moscow, Russia; Piotr Socha, Warsaw, Poland; Nataša Fidler Mis, Ljubljana, Slovenia)

- Report on Marie Curie scholarships and other Opportunities
(Representative of EU DG Research)
- Discussion and panel conclusions

Dissemination workshop

Room : 253

Co-chairs: Margaret Ashwell, Michel Claessens

Guidance will be given on maximising opportunities for dissemination and exploitation from research projects, with particular emphasis on multi partner EU projects. Participants are invited to bring examples of dissemination and exploitation from their own research projects to this workshop to enrich the discussion.

15.30-16.00

Coffee

16.00-17.00

Prevention of Obesity

Room : 252 B

Co-chairs: Ricardo Closa, Jean Navarro

16.00 Long term effects of pre- and early postnatal exposure to low and high dietary protein levels: evidence from epidemiological studies and controlled animal experiments

Cornelia Metges, Research Institute for the Biology of Farm Animals, Dummerstorf, Germany

16.30 Protein intake in the first year of life: a risk factor for later obesity?

Berthold Koletzko, Univ. of München, Germany

16.50 **PC93** - Abstract presentation: INSULIN LIKE GROWTH FACTOR REGULATION OF BODY MASS IN BREASTFED AND MILK FORMULA FED INFANTS

Piotr Socha et al., Health Institute, Warszawa, Poland

17.00-18.30

Perinatal lipid metabolism

Room : 252 B

Co-chairs: Irene Cetin, Gernot Desoye

17.00 The role of long-chain polyunsaturated fatty acids (LCPUFA) in growth and development

Mijna Hadders-Algra, Univ. of Groningen, The Netherlands

17.30 Experimental models for studying perinatal lipid metabolism

Emilio Herrera, Universidad San Pablo-CEU, Madrid, Spain

17.50 **PC24** - Abstract Presentation: ASSOCIATION OF T CELL CYTOKINE AND CHEMOKINE RECEPTOR MRNA EXPRESSIONS IN CORD AND MATERNAL BLOOD WITH PLACENTAL N-3 LC-PUFA CONTENT

Dominic Hartl et al., University of Munich, Germany

18.00 **PC65** - Abstract Presentation: LIPOPROTEIN LIPASE (LPL) mRNA EXPRESSION IN PLACENTAS FROM NORMAL AND IUGR (INTRAUTERINE GROWTH RESTRICTED) PREGNANCIES BY REAL-TIME PCR

Silvia Tabano et al., University of Milano, Italy

18.10 Effects of n-3 PUFA supplementation in pregnancy: the NUHEAL trial

Tamás Decsi, Univ. of Pecs, Hungary

Evening: Cluster project dinners: EU Childhood Obesity Project Dinner; PERILIP Dinner; DIABETES PREVENTION Dinner

Saturday, 3 July 2004

PRE-CONGRESS WORKSHOP (Contd.)

8.00-9.15

Focus Group Breakfast Meetings

- **Young researchers workshop: Oral abstract presentations**

Room : 252 A

Co-chairs: Elvira Larqué; Ilse Broekaert

- **Consumer needs regarding dietetic products for pregnant and lactating women and for baby foods**

Room : 251

Co-Chairs: Kaisa Poutanen, Maria Almeida

Marie-Josée Mozin, Brussels, Belgium; Monique Raats/Morgan, Univ of Surrey, UK

- **SME workshop: Co-operation between academia and SMEs**

Room : 252 B

Co-Chairs: Jean Michel Antoine, Mats Strömqvist

Hugo Heymans, Amsterdam, The Netherlands; Andrée Bronner, IDACE, Paris, France; William Heird, Houston, USA

- **Ethical considerations in perinatal nutrition research**

Room : 253

Co-chairs: Irene Cetin, Robin Gill

9.30-10.30

Perinatal Nutrition and Later Diabetes Risk

Room : 252 B

Co-chairs: Hans K. Åkerblom, Manuel Serrano-Rios

9.30 Introduction

Hans K. Åkerblom, Univ. of Helsinki, Finland

9.35 Early Nutrition and Later Diabetes Risk

Mikael Knip, Univ. of Helsinki, Finland (25 + 5 min.)

10.05 Is Type 1 Diabetes a Disease of the Gut Immune System Triggered by Cow's Milk Insulin?

Outi Vaarala, Linköping University, Linköping, Sweden

10.30-11.00

Coffee

11.00-11.50

Diabetes Prevention

Room : 252 B

Co-chairs: Zuzana Brazdova, Emmanuel Lebenthal

11.00 **PC32** - Abstract Presentation: DIETARY COMPLIANCE IN DIABETES PREVENTION PROJECT IN FINLAND, Sonja Bärlund et al., National Public Health Institute, Helsinki, Finland

11.10 **PC73** - Abstract Presentation: MONITORING AND SUPERVISING A DIETARY INTERVENTION TRIAL USING MODERN DATA PROCESSING SYSTEM
Matti Koski et al., University of Helsinki, Finland

11.20 The Role of Gluten as a Dietary Risk Factor for Type 1 Diabetes
Emanuele Bosi, San Raffaele University, Milan, Italy

11.50-13.00

Summary and Outlook

Co-chairs: Carlo Agostoni, Berthold Koletzko

Summary reports of parallel sessions (5 minute presentations each by workshop Chairs)

11.50 From Innovation to Implementation

11.55 Challenges and opportunities in Pan-European Research Collaboration for researchers from Central and Eastern Europe

12.00 Dissemination workshop

12.05 Consumer needs regarding dietetic products for pregnant and lactating women and for baby foods

12.10 SME workshop: Co-operation between academia and SMEs

12.15 Ethical considerations in perinatal nutrition research

12.20 General discussion: Long term consequences of early nutrition: what are the opportunities?

For further information:

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