



BUDAPEST CONFERENCE ON EARLY NUTRITION PROGRAMMING & HEALTH OUTCOMES IN LATER LIFE: Obesity & Beyond

PROGRAMME

Friday, 20. April 2007

13.00 – 13.45	<p align="center">Welcome and Introduction EARNEST Coordinator - Berthold Koletzko EANS - Peter Aggett EC DG Research Director - Christian Patermann Representative of the Hungarian Government Local Organizer - Denés Molnár</p>	
13.45 – 14.30	<p align="center">Plenary Session I: Chair: Berthold Koletzko EARNEST Challenges in epidemiological studies of early life influences on later disease – George Davey-Smith EARNEST</p>	
14.30 – 16.00	<p>A.1 Nutrient-gene interactions in early life programming Chair: Harry McArdle EARNEST</p> <ul style="list-style-type: none"> • Critical windows in adipose tissue growth: genes vs diet – Andreu Palou • Developmental origins of osteoporosis: the regulatory role of nutrition – Cyrus Cooper • Tissue specific adaptations to nutrient supply: more than just epigenetics? – Michael Symonds EARNEST <hr/> <ul style="list-style-type: none"> • Maternal diet included-obesity in the mouse results in altered fat metabolism and hypertension in adult offspring – AM Samuelsson EARNEST • Gln223Arg polymorphism of the leptin receptor gene is associated with reduced availability of n-6 polyunsaturated fatty acids in obese children – S Bokor EARNEST 	<p>B.1 Programming of obesity and metabolic disease Chair: Lucilla Poston EARNEST</p> <ul style="list-style-type: none"> • Early nutrition and later obesity: insights into mechanisms – Cornelia Metges EARNEST • Breastfeeding and childhood obesity: Open questions – Rüdiger von Kries EARNEST • Impact of childhood obesity on adult health – Denés Molnár <hr/> <ul style="list-style-type: none"> • The effect of seven-day supplementation with milk protein fractions and milk-minerals on IGFs and glucose-insulin metabolism in Danish pre-pubertal boys – C Hoppe • Healthy Lifestyle by Nutrition and Physical Activity in Adolescence. The HELENA Study – LA Moreno
16.00 – 16.30	<p align="center">Coffee and Tea Break</p>	
16.30 – 18.00	<p>A.2 Mechanistic basis of early life programming Chair: Michael Symonds EARNEST</p> <ul style="list-style-type: none"> • Glucocorticoids - genetic and nutritional regulation – Francois Tronche EARNEST 	<p>B.2 Results of the European Childhood Obesity Project Chair: Ricardo Closa EARNEST</p> <ul style="list-style-type: none"> • Early feeding and later growth: the European childhood Obesity Project – Berthold Koletzko EARNEST

	<ul style="list-style-type: none"> Epigenetics and their contribution to fetal programming – John Mathers Impaired insulin secretion vs sensitivity: cause and effect? – Brigitte Reusens EARNEST <hr/> <ul style="list-style-type: none"> Type-1 adiponectin receptor in human intestinal mucosa – MA Mendez Foetal programming in utero mediated through cortisol? – S Sebert EARNEST 	<ul style="list-style-type: none"> Dietary intake in infancy – Silvia Scaglioni EARNEST Biochemical and endocrine markers – Darek Gruszfeld EARNEST <hr/> <ul style="list-style-type: none"> Adiponectin and leptin in human milk and risk of overweight in early childhood – M Weyermann Sonographic assessment of abdominal fat distribution in early infancy: The Generation R Study – S Holzhauer
19.00	Gala Dinner	

Saturday, 21. April 2007

08.15 - 09.15	<p style="text-align: center;">Young Investigator Forum Chair: Tamas Decsi EARNEST</p> <ul style="list-style-type: none"> Trans isomeric and long-chain polyunsaturated fatty acids are inversely correlated in erythrocyte membrane lipids at mid-gestation – T Marosvölgyi EARNEST Maternal diet induced obesity programs the development of metabolic syndrome in the offspring – P Nivoit EARNEST Maternal LCPUFA status and birth outcomes in the MEFAB cohort – C Dirix Early growth and body composition in infancy – S Chomto EARNEST Seafood consumption and fetal growth: an example on how near identical analyses performed on two comparable birth cohorts can give different results – T Halldorsson EARNEST 	<p style="text-align: center;">Consumer Science Workshop Chair: Monique Raats</p> <ul style="list-style-type: none"> Obesity related programming statements in infant feeding policies in 5 European countries – Elena Martin EARNEST Obesity related programming statements in materials on infant feeding aimed at parents in 5 European countries – Julia von Rosen EARNEST Infant feeding and the concept of nutrition programming: A comparison of qualitative data from four European countries – Matina Schmid EARNEST Questionnaire studies in social sciences – Monique Raats EARNEST
09.30 - 10.15	<p>Plenary Session II: Chair: Sjudur Olsen EARNEST Life course approach to understanding the origins of disease – David Leon</p>	
10.15-10.45	Coffee and Tea Break	
10.45 - 12.15	<p>A.3 Programming of mitochondrial metabolism Chair: Simon Langely-Evans EARNEST</p> <ul style="list-style-type: none"> PGC1b and mitochondrial physiology – Antonio Vidal-Puig Gene modification-based and pharmacological models for studying the impact of perinatal metabolic disturbances in adult life – Francesc Villaroya Adipose tissue - muscle interactions in metabolic effects of n-3 LC-PUFA – Jan Kopecky EARNEST 	<p>B.3 Early nutrition and later cardiovascular risk Chair: Mary Fewtrell EARNEST</p> <ul style="list-style-type: none"> Breastfeeding and later plasma lipids – Richard Martin EARNEST Atherosclerosis – Atul Singhal EARNEST Do LCPUFAs influence cardiovascular function in early childhood? – J. Stewart Forsyth

	<ul style="list-style-type: none"> • Postnatal induction of mitochondrial uncoupling protein 3 (UCP3) by lipids: possible involvement of AMP-activated protein kinase – D Medrikova • Strain-specific induction of muscle non-shivering thermogenesis by high-fat diet in post-weaning – V Kus 	<ul style="list-style-type: none"> • Transgenerational programming of glucose intolerance: Non-genomic inheritance of islet-cell dysfunction – JC Jimenez-Chillaron • Early post natal leptin blockage induced a long term leptin resistance in rats – L Attig
12.15 - 13.00	Lunch Break / Poster Session	
13.00 - 14.00	Guided Poster Session Chairs: George Davey-Smith EARNEST, Atul Singhal EARNEST, Cornelia Metges EARNEST	
14.15 - 15.45	<p>A.4 Maternal nutrition: trends and impact on pregnancy outcomes</p> <p>Chair: Rüdiger von Kries EARNEST</p> <ul style="list-style-type: none"> • Impact of maternal diet on offspring health: an overview from an epidemiologic point of view – Sjurdur Olsen EARNEST • Effects of supplementing LCPUFA to the diet of pregnant women: data from randomised controlled trials – Tamás Desci EARNEST • Programming of Taste – Gillian Harris <hr/> <ul style="list-style-type: none"> • Folate status is important for the regulation of lipid metabolism in pregnancy – CJ McNeil • Fish Oil Supplementation Affects Blood Pressure and Heart Rhythm in Healthy Danish Infants – CT Damsgaard 	<p>B.4 Causes of adult obesity - origins in early life?</p> <p>Chair: Griffin Rodgers</p> <ul style="list-style-type: none"> • Genes for obesity can these be established by the early environment? – Lucilla Poston EARNEST • Appetite: development of food preference and body weight regulation – Caroline McMillen • Physical activity: the balance between activity and body weight gain – when is this established? – David Gardner EARNEST • Oral Abstract Presentations <hr/> <ul style="list-style-type: none"> • Transgenerational effects of prenatal exposure to the Dutch famine on neonatal adiposity – RC Painter • IDEFICS – a European project on identification and prevention of risk factors of overweight and related disorders in early childhood – W Ahrens
15.45 - 16.15	Coffee and Tea Break	
16.15- 17.00	Plenary Session III: Chair: Caroline McMillen Where are we with breastfeeding? – Alan Lucas EARNEST	
17.00- 17.45	Plenary Session IV: Chair: Alan Lucas EARNEST Research: The next 5 years – Griffin Rodgers	