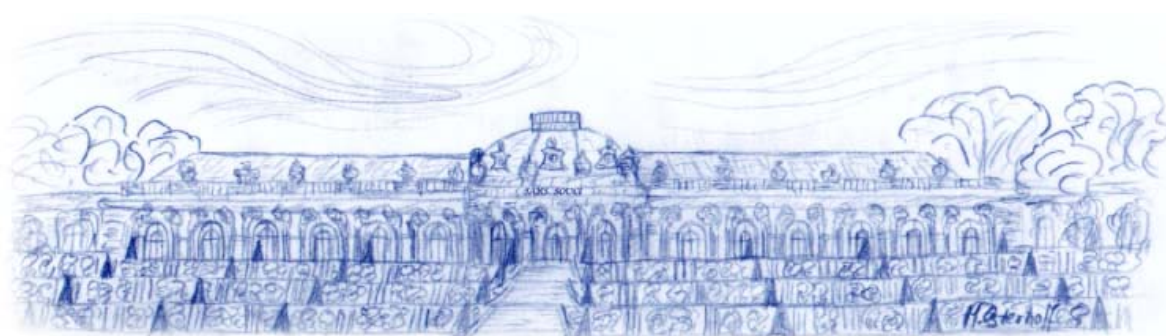




Diabetes and Nutrition Study Group

DNSG 2009

of the European Association for the Study of Diabetes (EASD)



Potsdam / Germany

27th International Symposium on Diabetes and Nutrition

June 25th - 28th 2009

www.dnsg-easd.org

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Welcome to Potsdam Germany in 2009!

Dear colleagues,

It is a great pleasure to welcome you to the 27th meeting of the DNSG in Potsdam in Germany.

Our meeting takes place in the Dutch quarter of Potsdam; a historical quarter of the village in the centre of Potsdam and within walking distance of many of the historical places under the shadow of the chateau "Sanssouci".

We hope that you will enjoy the meeting with its ample possibilities to discuss with colleagues and to exchange ideas.

Apart from the scientific program the social program will lead us to some typical places in Potsdam and in Berlin which we hope you will enjoy.

Our local team is represented by Berit and Sandra who will help you with information and support. There will also be a hotline which you can call in case you need help during the meeting.

With the best wishes to enjoy a pleasurable
27th Diabetes and Nutrition Study Group Symposium

Your Organisation Team

*Özlem Gögebakan, Angela Kohl, Berit Schmidt, Sandra J. Mauer,
Martin Osterhoff, and Andreas F.H. Pfeiffer*

Program

Thursday, June 25th

11:30-14:00		Registration and Lunch	
14:15		Opening: Chairman Andreas F. H. Pfeiffer	
14:30-16:00		Session I: Lifestyle treatment of type 2 diabetes <u>Chairperson:</u> Ulrich Julius, <i>Germany</i> and Ingrid Mostad, <i>Norway</i>	
14:30-15:00	Lecture	Stefan Anker, Germany Weight loss – good for diabetes bad for life span? Who profits from weight loss?	1
15:00-15:15	Discussion		
15:15-15:30		Claudia De Natale, A.A. Rivellese, Italy (on behalf of EDUCANDIA Project) Implementation of nutritional recommendations in type 2 diabetic patients: efficacy of an intensive dietary education program	2
15:30-15:45		Carilaos Dimosthenopoulos, K. Makrilakis, S. Liatis, S. Grammatikou, D. Perrea, N. Katsilambros, Greece Nutritional results of a community lifestyle program to prevent type 2 diabetes in greece. The De Plan Study	3
15:45-16:00		Ulrich Julius, A. Böhme, Germany Adherence to the recommended diet in patients treated with LDL apheresis	4
16:00-16:30		Coffee Break	

Thursday, June 25th

16:30-18:00		Session II: Effects of protein on metabolism Chairperson: Kjeld Hermansen, <i>Denmark</i> and Anastasia Thanopoulou, <i>Greece</i>	
16:30-17:00	Lecture	Hans Hauner, Germany The role of protein in diabetes nutrition	5
17:00-17:15		Lene S. Mortensen, M.L. Hartvigsen, L.J. Brader, A. Astrup, J. Schrezenmeir, J.J. Holst, C. Thomsen, K. Hermansen, Denmark Differential effects of protein quality on postprandial lipemia in response to a fat-rich meal in type 2 diabetes: comparison of whey, casein, gluten and cod protein	6
17:15-17:30		Lea Brader, L. Holm, L. Mortensen, C. Thomsen, K. Hermansen, Denmark Acute effects of casein on postprandial lipemia and incretin responses in type 2 diabetic subjects	7
17:30-17:45		Özlem Gögebakan, R. Schüler, M. Osterhoff, A.F.H. Pfeiffer Germany GIP stimulates MCP-1 expression in co-culture of adipocytes and macrophages.	8
18:00-19:00	POSTER	Ching-Hsia Hung, YW. Chen, MC. Kao, Taiwan Cardiopulmonary alterations in fructose-fed diabetic rats during endotoxemia	I
	POSTER	Yi-Wan Chen, PL. Hsieh, CH. Hung, Taiwan Exercise training reduced peripheral neuropathy symptoms with heat shock protein 72 overexpression in streptozotocin-induced diabetic rats	II
	POSTER	Astrid Zierer, B. Thorand, A. Döring, O. Lang, W. Koenig, Germany Associations between nutrient intake and concentrations of C-reactive protein in serum-results from the MONICA/KORA Augsburg studies	III
	POSTER	Victoria A. Serhiyenko, A.A. Serhiyenko, L.M. Serhiyenko, V.B. Sehin, Ukraine Effects of co-administered ω -3 polyunsaturated fatty acids and simvastatin on the metabolic and functional disturbances in type 2 diabetic patients with cardiomyopathy	IV
	POSTER	Yolanda B. Lombardo, D. Selenscig, M.E. Oliva, M.E. Dállessandro, A. Chicco, Argentina Soy protein improves visceral adiposity and insulin sensitivity in dyslipemic rats fed a sucrose rich diet	V
	POSTER	Christian von Loeffelholz, M. Möhlig, A. M. Arafat, J. Spranger, A. F. H. Pfeiffer, M. O. Weickert, Germany Serum vaspin is associated with gender and body mass index but not influenced by lipid induced insulin resistance	VI
19:45		Welcome BBQ-Dinner at the hotel garden	

Friday, June 26th

08:30-11:30		Session III: Fiber types and Glycemic Index	
		<u>Chairperson:</u> Thomas MS Wolever, <i>Canada</i> and Salwa Rizkalla, <i>France</i>	
08:30-09:00	Lecture	Nathalie M. Delzenne/ Patrice D. Cani, Belgium Dietary fibers and oligosaccharides targeting the gut microbiota: relevance for regulation of glucose homeostasis?	9
09:00-09:30	Lecture	Martin O. Weickert, England Role of insoluble fibers in metabolic regulation	10
09:30-09:45		Thomas MS Wolever, J. Fernandes, Canada Serum acetate and acetate clearance in normal and hyperinsulinaemic subjects	11
09:45-10:00		Salwa W. Rizkalla, L. Saulnier, H. Chiron, G.D. Valle, C. Martin, S. Issanchou, France Does dietary fibre content influence the glycaemic index and the acceptability of French Bread?	12
10:00-10:15		Vladimir Vuksan, M.Lyon, V.Kacinik, T.Wolever, R.Gahler, A.Jenkins, Canada Reduction of the glycemic index by the novel viscous polysaccharide, PGX®, when added or incorporated into commonly consumed foods	13
10:15-10:30		Margareta B. Bacos, M.Björklund-Helgesson, Denmark The effect of a diet with low glycaemic index on HbA1c and blood lipids in patients with type 1 diabetes. A randomized, controlled intervention study	14
10:30-11:00		Coffee Break	
11:00-11:15		Cyril W.C. Kendall, A. Esfahani, T. Parker, M. Banach, S. Mitchell, D.J.A. Jenkins, Canada Effect of nuts on glycemic control and coronary heart disease risk factors in type 2 diabetes.	15
11:15-11:30		Angela Kohl, Germany Ö. Gögebakan, M. Osterhoff, WHM Saris, S. Jebb, A. Kafatos, JA. Martinez, S. Handjiev, M. Kunešová, A. Astrup, A.F.H. Pfeiffer on behalf of the Diogenes Consortium Effects of 5 different diets varying in protein and GI on different cardiovascular risk factors within the Diet, Obesity and Genes study (DiOGenes)	16

Friday, June 26th

11:30-12:30		Session IV: Genes and nutrition	
		<u>Chairperson:</u> Matti Uusitupa, <i>Finland</i> and Cyril W.C. Kendall, <i>Canada</i>	
11:30-12:00	Lecture	Achim Kramer, Germany Circadian clocks and metabolism	17
12:00-12:15		Doreen Kuhlow, A. Voigt, T.J. Schulz, R. Thierbach, A.F.H. Pfeiffer, M. Ristow, Germany Opposing effects of dietary sugar and fat on cardiovascular risk factors and glucose metabolism in mitochondrially impaired mice	18
12:15-12:30		Anke Assmann, K.Ueki, J.Winnay, R.N.Kulkarni Germany/ Japan/ USA Glucose effects on beta cells require activation of insulin receptors and insulin receptor substrate - 2	19
12:30-13:30		Lunch	
13:30-15:30		Session V: Fat / Fatty Liver	
		<u>Chairperson:</u> Angela Rivellesse, <i>Italy</i> and Nikolaos Katsilambros, <i>Greece</i>	
13:30-14:00	Lecture	Ulf Riserus, Sweden Fat: how much of which fat - fatty acid type and insulin resistance	20
14:00-14:30	Lecture	Stephan Herzig, Germany Fatty Liver - Molecular Mechanisms	21
14:30-14:45		Hana Kahleová, T. Neškudla, T. Pelikánová, Czech Republic Does a low-fat vegetarian diet improve insulin resistance and β -cell function in individuals with type 2 diabetes?	22
14:45-15:00		Helena Petersson, Sweden U.Risérus, J.McMonagle, A.Tierney, J.Lovegrove, C.Defoort, H.L.Gulseth, J.López-Miranda, A.Dembinska-Kiec, E.Blaak, I.M.F.Gjeldstad, B.Karlström, C.A.Drevon, H.Roche, S. Basu Effects of dietary fat modification on oxidative stress and inflammatory markers in the lipgene study	23
15:00-15:15		Yolanda B. Lombardo, G. Hein, A.M. Bernasconi, M.A. Montanaro, M.P. Maison, G. Finarelli, A. Chicco, R.R. Brenner, Argentina Nuclear receptors and lipogenic enzyme response to a dislipemic sucrose rich diet and its reversion by n-3 polyunsaturated fatty acids	24
15:15-15:30		Jens Holmer-Jensen, C. Thomsen, K. Hermansen, Denmark Acute Effects of milk derived proteins on postprandial lipaemia in obese healthy subjects	25
15:30-16:00		Coffee break	

Friday, June 26th

16:00-18:00		Session VI: Dietary Strategies	
		<u>Chairperson:</u> Anne-Marie Aas, <i>Norway</i> and John L. Sievenpiper, <i>Canada</i>	
16:00-16:30	Lecture	Volker Schusdziarra , <i>Germany</i> Dietary recommendations for T2DM: Better strategies for practical use	26
16:30-17:00	Lecture	Mette Axelsen , <i>Sweden</i> Strategies for transparent and systematic nutritional guidelines - A Swedish example	27
17:00-17:15		John L. Sievenpiper , A.J. Carleton, S. Chatha, H.Y. Jiang, R.J. de Souza, J. Beyene, C.W.C. Kendall, D.J.A. Jenkins, <i>Canada</i> Conditional total-cholesterol lowering effects of fructose in type 2 diabetes: meta-analyses and meta-regression models of experimental clinical trials	28
17:15-17:30		Frank Isken , <i>Germany</i> The role of GIP in high glycaemic index diets	29
General Discussion of guidelines			
17:30-18:30		General design: Discussion led by <i>Mette Axelsen</i> Fat: Discussion led by <i>Ulf Riserus</i> Carbohydrate: Discussion led by <i>Thomas Wolever</i> Protein: Discussion led by <i>Kjeld Hermansen</i>	
19:30		Potsdam-Event at the historical Bornstedt Crown Estate	

Saturday, June 27th

08:30-10:00		Session VII: Gut neuroendocrinology and T2DM <u>Chairpersons:</u> Malina Petkova, <i>Bulgaria</i> and Martin Osterhoff, <i>Germany</i>	
08:30-09:00	Lecture	Geltrude Mingrone, Italy Gastric bypass - which nutritional and neuroendocrine mechanisms lead to rapid cure of T2DM ?	30
09:00-09:30	Lecture	Victor Gault, England GIP: a good or a bad guy in T2DM	31
09:30-09:45		Natalia Rudovich, Andrea Ernst, Olga Pivovarova, Antje Trabert, Andreas Bergmann, Andreas F. H. Pfeiffer, Germany Acarbose: acting on a gut-heart axis ?	32
09:45 - 10:00		Martin Osterhoff, Ö. Gögebakan, A.F.H. Pfeiffer, Germany GIP action on transcript levels in human adipose tissue in vivo	33
10:00-10:30		Coffee Break	
10:30-12:30		Session VIII: Micronutrients / novel food <u>Chairperson:</u> Vladimir Vuksan, <i>Canada</i> and Mette Axelsen, <i>Sweden</i>	
10:30-11:00	Lecture	Kjeld Hermansen, Denmark Stevoside: New sweetener and potential antidiabetic drug	34
11:00-11:30	Lecture	Dietrich Knorr, Germany Possibilities of Food Technologies	35
11:30-11:45		Laura Franzini, D. Ardigo, S. Haddoub, D. Del Rio, L Cavani, N. Pellegrini, C. Melegari, F. Brighenti, I. Zavaroni, Italy Acute effect of oral administration of dietary products enriched in antioxidants on post-prandial endothelial function in apparently healthy adults	36
11:45-12:00		Erejuwa O. Omotayo, S.Gurtu, S.A.Sulaiman, M.Suhaimi A.Wahab, K.N.S. Sirajudeen, Md. Salzihan Md. Salleh, Malaysia Antihyperglycemic and antioxidant effects of three doses of Malaysian Tualang Honey in streptozotocin-induced diabetic rats	37
12:00-12:15		Per B. Jeppesen, I.Nordentoft, R.Abudula, J.Hong, K.Hermansen, Denmark Isosteviol as novel oral anti-diabetic agent for treatment of type2 diabetes and the metabolic syndrome - a in vivo study on diabetic KKAY-mice	38
12:15-12:30		Rita Schueler, M. Osterhoff, A.F.H. Pfeiffer, Germany Micronutrient PPAR γ agonists with new activity spectra	39
12:30-13:30		Lunch	

Saturday, June 27th

13:30-15:30	Session IX: Genes and nutrition <u>Chairperson:</u> Geltrude Mingrone, <i>Italy</i> and Ursula Schwab, <i>Finland</i>	
13:30-14:00	Lecture Joachim Spranger, Germany <i>Metabolic advantages of genetically modified foods</i>	40
14:00-14:15	Matti Uusitupa, J.Lindström, M.Peltonen, J.Tuomilehto on behalf of the DPS study group, <i>Finland</i> , Risk of diabetes is related to the family history of diabetes in the Finnish Diabetes Prevention Study	41
14:15-14:30	Tiina Lappalainen, J. Lindström, M. Peltonen, M. Kolehmainen, U. Schwab, A.M. Tolppanen, C. Herder, W. Koenig, H. Gylling, J. Tuomilehto M. Uusitupa on behalf of the DPS study group, <i>Finland</i> Association studies of the common variant in the FTO gene - the Finnish Diabetes Prevention study	42
14:30-14:45	Anastasia Thanopoulou, M. Noutsou, A. Kofinis, E. Spanou, B. Karamanos, A. Archimandritis, Greece Cancer co-morbidity in greek subjects with type 2 diabetes mellitus	43
15:30-16:00	Coffee Break	
16:00-16:45	General assembly	
17:45	Berlin-Event Guided Tour and Dinner at Hackesche Höfe (Hof means courtyard)	

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