

Oral Program

Monday, 15 April 2013	
9.00-10.30	Conference Registration
10.30-10.45	Opening Remarks - Johan Garssen
10.45-11.30	[KN1] A future for pharma-nutrition: Achievements, challenges and unmet needs J. Garssen ^{1,2} , ¹ Utrecht University, The Netherlands, ² Danone Research, The Netherlands
11.30-12.00	[KN2] Developing N of 1 translational research strategies J. Kaput ^{*1} , J. Monteiro ² , M. Morine ³ , ¹ Nestle Institute of Health Sciences, Switzerland, ² University of Sao Paulo Ribeirao Preto, Brazil, ³ University of Trento Centre for Computational and Systems Biology, Italy
12.00-13.30	Lunch
13.30-14.00	[INV1] Non-pharmacological strategies to enhance the efficacy of anti-tumour therapies A. Laviano, <i>Sapienza University, Italy</i>
Theme	Oncology Session 1
Session Chair	Alessandro Laviano
14.00-14.15	[O1] Carnitine insufficiency during cyclophosphamide and ifosfamide-induced cardiomyopathy M.M. Sayed-Ahmed [*] , M.L. Aldelemy, M.M. Hafez, O.A. Al-Shabanah, <i>King Saud University, Saudi Arabia</i>
14.15-14.30	[O2] Antitumor activity of Rhein involving interactions with DNA molecule B.Y. Yu [*] , Q.D. Du, B.Z. Zhu, X.L.X. Xu, Q.Z. Zhai, <i>Fudan University, China</i>
14.30-14.45	[O3] Innovation barriers in the medical nutrition market - A key opinion leader perspective T.C. Weenen ^{*1} , E. Pronker ² , H.R. Commandeur ¹ , E. Claassen ^{1,3} , ¹ Erasmus University, The Netherlands, ² Vacceleron, The Netherlands, ³ Vrije Universiteit, The Netherlands
14:45-15:00	[O4] Oligosaccharides: A promising new approach for minimizing the pathological effects of deoxynivalenol on the intestinal tract S. Braber ^{*1} , P. Akbari ¹ , A.D. Kraneveld ¹ , G. Folkerts ¹ , J. Garssen ^{1,2} , J. Fink-Gremmels ¹ , ¹ Utrecht University, ² Danone Research Center for Specialised Nutrition, The Netherlands
15:00-15:30	Coffee Break
15:30-16:00	[INV2] Molecular targets of cancer cachexia: Opportunities for pharmanutritional approach M. Sharma, <i>National University of Singapore, Singapore</i>
Theme	Oncology Session 2
Session Chair	Mridula Sharma
16:00-16:15	[O5] From phyto-chemoprevention to discovery of novel markers and targets for therapy of breast cancer A. Ouhtit ¹ , S. Shanmuganathan ^{*1} , R. Gaur ¹ , M.E. Abdraboh ¹ , A. Hollenbach ² , I. Gupta ¹ , M.H.G. Raj ² , ¹ Sultan Qaboos University, Oman, ² Louisiana State University Health Science Center, USA
16.15-16.30	[O6] Seaweed fucoidan-stabilized gold nanoparticles and their antitumor activities S. Soisuwana ¹ , K. Lirdprapamongkol ² , W. Warisnoicharoen ^{*1} , J. Svasti ² , ¹ Chulalongkorn University, Thailand, ² Chulabhorn Research Institute, Thailand
16:30-16:45	[O7] Effect of consumption of catechin-rich green tea on pharmacokinetics of simvastatin in healthy volunteers S. Yamada ^{*1} , S. Misaka ¹ , K. Tanabe ¹ , A. Osano ¹ , K. Takeuchi ² , J.P. Werba ³ , H. Watanabe ² , ¹ University of Shizuoka, Japan, ² Hamamatsu University, Japan, ³ Centro Cardiologico Monzino, Italy
16:45-17:00	[O8] Consumption of dietary health supplements (DHS) among hospitalized patients in medical wards at an acute tertiary hospital P.W. Yong [*] , L.B. Tan, Y.H. Loh, <i>Singapore General Hospital, Singapore</i>
Final Say of the Day	
17:00-17:30	[INV3] The healthy side of taste: Gustatory receptors as drug targets G. Appendino, <i>Università del Piemonte Orientale, Italy</i>
17.30-18.30	Welcome Reception
Tuesday, 16 April 2013	
8:30-9:00	[INV4] Essential fatty acids and cardioprotection: New insights F. Visioli, <i>Instituto Madrileño de Estudios Avanzados, Spain</i>
Theme	Cardiovascular/Endocrinology Session
Session Chair	Francesco Visioli
9:00-9:15	[O9] Rooibos tea: A functional food in the management of metabolic disorders A.C. Swart ^{*1} , L. Schloms ¹ , C. Smith ¹ , K.H. Storbeck ¹ , M. Roos ¹ , J.L. Marnewick ² , P. Swart ¹ , ¹ University of Stellenbosch, South Africa, ² Cape Peninsula University of Technology, South Africa

9:15-9:30	[O10] Omega-3 polyunsaturated fatty acids restore reduced social interaction and dopaminergic activity in the prefrontal cortex of allergic mice C.D.T. de Theije ¹ , V. Milosevic ¹ , G.A. Korte-Bouws ¹ , L.W.J. van den Elsen ¹ , S. Lopes da Silva ² , J. Garssen ^{1,2} , S.M. Korte ¹ , A.D. Kraneveld* ¹ , ¹ Utrecht University, The Netherlands, ² Danone Research, The Netherlands
9:30-9:45	[O11] Dietary long chain n-3 polyunsaturated fatty acids reduce blood pressure and improve endothelial function in spontaneously hypertensive rats L.W.J. van den Elsen* ¹ , L.J.A. Spijkers ² , R.F.P. van den Akker ² , A.M.H. van Winssen ¹ , M. Balvers ³ , J. Garssen ^{1,3} , L.E.M. Willemsen ¹ , A.E. Alewijnse ² , S.L.M. Peters ² , ¹ Utrecht University, The Netherlands, ² Academic Medical Center, The Netherlands, ³ Danone Research, The Netherlands
9:45-10:00	[O12] Glycemic memory and epigenetic persistence A. El-Osta, BakerIDI Heart & Diabetes Institute, Australia
10:00-10:15	[O13] Data-driven food research - The 4th paradigm applied to nutrition M.P. Sanders* ¹ , L. Ridder ² , W. Alkema ³ , W.W. Fleuren ⁴ , S.J. Lusher ¹ , ¹ Netherlands Science Center, The Netherlands, ² Wageningen University, The Netherlands, ³ NiZo Food Research, The Netherlands, ⁴ Radboud University Medical Centre, The Netherlands
10:15-10:30	[O14] Antidiabetic and antioxidant activities of phytoconstituents from Fadogia ancyllantha K.K. Nyirenda*, J.D. Kalenga Saka, University of Malawi, Malawi
10:30-10:38	[OP1] Molecular mechanisms underpinning the effectiveness of the combination of camel milk and urine in the clearance of breast cancer cells A. Ouhtit, I. Gupta, S. Shanmuganathan*, I. Al-Kindy, H. Al-Riyami, Sultan Qaboos University, Oman
10:38-10:46	[OP2] Non-animal test strategy for safety and efficacy assessment of plant- and food-derived substances R. Pieters*, C. Chamorro Perze, J-P. Ten Klooster, S. Vaessen, R-J. Veldman, M. Teunis, C. Krul, Utrecht University of Applied Sciences, The Netherlands
10:46-11:30	Coffee Break
11:30-12:00	[INV5] Role of pharma-nutrition in management and treatment of metabolic syndrome J. Henry, Singapore Institute for Clinical Sciences, Singapore
Theme	Immunology Session 1
Session Chair	Koen Venema
12:00-12:15	[O15] Treatment with synthetic β-lactoglobulin peptides can prevent clinical symptoms in a mouse model for cow's milk allergy L.A.P.M. Meulenbroek ^{1,2} , B.C.A.M. van Esch ^{1,3} , G.A. Hofman ¹ , C.F. den Hartog Jager ² , A.J. Nauta ^{1,4} , L.E.M. Willemsen ¹ , C.A.F.M. Bruijnzeel-Koomen ² , J. Garssen ^{1,3} , E. van Hoffen ² , L.M.J. Knippels* ^{1,3} , ¹ University Utrecht, The Netherlands, ² University Medical Center Utrecht, The Netherlands, ³ Danone Research Centre for Specialised Nutrition, The Netherlands, ⁴ Danone Research Centre for Specialised Nutrition, Singapore
12:15-12:30	[O16] Synbiotics reduce airway inflammation and improve airway function in a mouse model for COPD G.F.G. Bezemer ¹ , M.A.P. Diks ¹ , J. van Bergenhenegouwen ² , P. Vos ² , J. Garssen ^{1,2} , A.D. Kraneveld ¹ , G. Folkerts* ¹ , ¹ Utrecht University, The Netherlands, ² Danone Research, The Netherlands
12:30-12:45	[O17] IL-25 alters gut microbiota and limits experimental colitis C.H. Plunkett ¹ , M. Kleinschek ² , G. Le Gros ¹ , E.E. Forbes-Blom* ¹ , ¹ Malaghan Institute of Medical Research, New Zealand, ² Merck Research Laboratories, USA
12:45-13:00	[O18] Dynamic gastro-intestinal in vitro model (TIM) for reliable prediction of stability, availability for absorption, and luminal efficacy of clinical foods and ingredients R. Havenaar*, S. Bellmann, E. Zeijdner, TNO, The Netherlands
13:00-13:15	[O19] The food-pharma interface: Nutraceutical and drug to become increasingly permeable Y. Mine, University of Guelph, Canada
13:15-13:23	[OP3] A prebiotic multi-fiber mix inhibits inflammation in DSS induced colitis and leads to a relative increase in MLN tregs A. Hartog* ^{1,2} , J. Bastiaans ^{1,2} , T. Wehkamp ^{1,2} , F.N. Belle ^{2,3} , P. de Graaff ² , J. Garssen ^{1,2} , L.F. Harthoorn ^{2,3} , A.P. Vos ^{1,2} , ¹ Utrecht University, The Netherlands, ² Danone Research, The Netherlands, ³ Nutricia Advanced Medical Nutrition, The Netherlands
13:23-13:31	[OP4] Microbial metabolites produced by the colonic microbiota from prebiotics as drivers for immunomodulation in the host K. Venema ^{1,2} , ¹ Top Institute Food & Nutrition, The Netherlands, ² TNO Healthy Living, The Netherlands
13:31-14:30	Lunch
14.30-16.00	Poster Session Odd numbers (14:30-15:15) Even numbers (15:15-16:00)
16.00-16.30	[INV6] The immune system, the microbiome, and nutrition: Therapeutic linkage H. Rasmussen, A. Keshavarzian, A. Landay*, Rush University Medical Center, USA

Theme	Immunology Session 2
Session Chair	Alan Landay
16:30-16:45	[O20] Fish oil in recent onset rheumatoid arthritis: A randomized, double-blind, controlled trial within algorithm-based drug use S.M. Proudman ¹ , L.G. Cleland ¹ , L. Spargo ¹ , C.A. Hall ¹ , L. McWilliams ¹ , A. Lee ¹ , R.A. Gibson ² , M.J. James* ¹ , ¹ Royal Adelaide Hospital, Australia, ² University of Adelaide, Australia
16:45-17:00	[O21] A high fat soy oil diet enhances allergic symptoms while fish oil prevents allergic sensitization to cow's milk protein in mice via induction of regulatory T-cells L.W.J. van den Elsen* ¹ , E.C.A.M. van Esch ^{1,2} , G.A. Hofman ¹ , J. Kant ¹ , B.J.M. van de Heijning ² , J. Garssen ^{1,2} , L.E.M. Willemsen ¹ , ¹ Utrecht University, The Netherlands, ² Danone Research, The Netherlands
17.00-17.15	[O22] Alteration of mouse microbiome composition affects immunity against RSV M.A. Schijf ^{1,2} , G.M. van Bleek ¹ , H. Wopereis ² , J. Garssen ^{2,3} , B. van't Land* ^{1,2} , ¹ Wilhelmina Children's Hospital, The Netherlands, ² Danone Research, The Netherlands, ³ Utrecht Institute for Pharmaceutical Sciences, The Netherlands
17.15-17.30	[O23] Metabolomics approach for the study of the cholesterol lowering effect in with glucose and cholesterol lowering effects of berberine from <i>Coptis chinensis</i> in the livers of Sprague Dawley rats E.S. Ong, Singapore University of Technology and Design, Singapore
Final Say of the Day	
17:30-18:00	[INV7] Tea polyphenols: Bane or bonanza? Interaction with phospholipids and proteins T. Nakayama*, T. Ishii, University of Shizuoka, Japan
19.00-23.00	Gala Dinner
Wednesday, 17 April 2013	
8.30-9.00	[INV8] Towards novel therapeutics for disorders of the brain-gut axis: Interfacing food and medicine J.F. Cryan, University College Cork, Ireland
9.00-9.20	[INV9] Specialised nutrition in neurology: A new horizon P.J. Kamphuis ^{1,2} , ¹ Danone Research, The Netherlands, ² Utrecht University, The Netherlands
9.20-9.45	[INV10] Medical nutrition in disease management of Alzheimer's patients P. Scheltens, VU University Medical Center Amsterdam, The Netherlands
Theme	Neurology/CNS Session
Session Chair	Patrick Kamphuis
9.45-10.00	[O24] Pioneer oral nutraceutical formula (PLP10) for the treatment of relapsing remitting multiple sclerosis: A randomized, double-blind, placebo-controlled proof-of-concept clinical trial I.S. Patrikios* ¹ , G.N. Loukaides ¹ , E.E. Ntzani ² , M.C. Pantzaris ¹ , ¹ The Cyprus Institute of Neurology and Genetics, Cyprus, ² University of Ioannina School of Medicine, Greece
10.00-10.15	[O25] Targeting gut-immune-brain triangle in neurodevelopmental disorders A.D. Kraneveld* ¹ , C.M.G. De Theije ¹ , J. Wu ¹ , Y.E. Borre ¹ , S. De Kivit ¹ , P.J. Koelink ¹ , M.E. Morgan ¹ , S.M. Korte ¹ , G.A.H. Korte-Bouwes ¹ , B. Olivier ¹ , J. Garssen ^{1,2} , ¹ Utrecht University, The Netherlands, ² Danone Research, The Netherlands
10.15-10.30	[O26] Effects of glutamine supplementation on brain development of very preterm children: A follow-up study at school-age J.F. de Kieviet ¹ , J. Oosterlaan ¹ , P.J.W. Pouwels ³ , P.J. Vuijk ¹ , G. Boehm ² , A. van Zwol ³ , A. van den Berg ⁴ , H.N. Lafeber ³ , R.J. Vermeulen ³ , R.M. van Elburg* ^{2,3} , ¹ VU University Amsterdam, The Netherlands, ² Danone Research Centre for Specialised Nutrition Wageningen, The Netherlands, ³ VU University Medical Center Amsterdam, The Netherlands, ⁴ University Medical Center Utrecht, The Netherlands
10.30-10.45	[O27] Neurodegeneration-induced cognitive deficits are associated with severe gastrointestinal disturbances, which were attenuated by dietary, but not pharmacological intervention: Implications for novel therapies Y.E. Borre* ^{1,2} , M.E. Morgan ¹ , P.J. Koelink ¹ , G.F.G. Bezemer ¹ , K.G.C. Westphal ¹ , B. Olivier ^{1,2} , R. Oosting ^{1,2} , J. Garssen ^{1,3} , A.D. Kraneveld ¹ , ¹ Utrecht University, The Netherlands, ² Rudolf Magnus Institute of Neuroscience, The Netherlands, ³ Danone Research, The Netherlands
10.45-11.15	Coffee Break
Theme	Pharma-Nutrition Roundtable - Regulations: To be or not to be?
Session Chair	Johan Garssen
11.15-12.15	Presentations from FDA, EFSA and ILSI
12.15-13.15	Roundtable discussion
13.15-13.30	Closing Remarks, J. Garssen
13.30	Conference Closes
Complimentary Author Workshop	
15.15-17.15	How to write great papers: From title to references, from submission to publication Jaap van Harten, Elsevier, The Netherlands