

<b>Oral Program</b>
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<b>Monday, April 13, 2015</b>
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09:00	<b>Registration</b>
10:30-10:45	<b>Opening Remarks – J. Garssen</b>
10:45-11:20	<b>Keynote lecture: The developing microbiome, antibiotics, and health consequences</b> M. Blaser, <i>New York University, USA</i>
11:20-12:00	<b>Keynote lecture: Pharma-Nutrition: From separate silos towards synergy: A systems biology approach</b> A. van Gool, <i>Radboud University, The Netherlands</i>
<b>12:00-13:30</b>	<b>Lunch</b>
<b>Session 1 - Metabolic/Cardiovascular</b>	
13:30-14:05	<b>Invited lecture: Food vs drugs for the treatment of type 2 diabetes and cardiovascular disease</b> A. Marette, <i>Laval University, Canada</i>
14:05-14:20	<b>Small intestinal intraepithelial lymphocyte numbers increase after gut microbiota transfer from lean donors to subjects with metabolic syndrome</b> A. Hartog <sup>*1,2</sup> , H.J.M. Koopman <sup>2</sup> , A. Vrieze <sup>3</sup> , J. Salojärvi <sup>4</sup> , W.M. de Vos <sup>5</sup> , M. Nieuwdorp <sup>3</sup> , J. Garssen <sup>1,2</sup> , <sup>1</sup> <i>Utrecht Institute for Pharmaceutical Sciences, The Netherlands</i> , <sup>2</sup> <i>Nutricia Research, The Netherlands</i> , <sup>3</sup> <i>Academic Medical Center, The Netherlands</i> , <sup>4</sup> <i>University of Helsinki, Finland</i> , <sup>5</sup> <i>Wageningen University, The Netherlands</i>
14:20-14:35	<b>Metabolic disorder in women diagnosed with polycystic ovary syndrome</b> M. Albaik, J. Khan*, M-S. Ardawi, H. Alkadi, <i>King Abdulaziz University, Saudi Arabia</i>
14:35-14:50	<b>Protective effects of ascorbic acid on ischemia/reperfusion-induced cerebral injury in diabetic rats</b> N. Iwata*, M. Okazaki, M. XUAN, S. Kamiuchi, H. Matsuzaki, Y. Hibino, <i>Josai University, Japan</i>
<b>14:50-15:30</b>	<b>Coffee break</b>
<b>Session 2 - Allergy</b>	
15:30-16:05	<b>Invited lecture: Microbiome modulation as a tool to manage allergic disorders</b> J. Garssen, <i>University of Utrecht, The Netherlands</i>
16:05-16:20	<b>Bioavailability and preliminary clinical application of a new lecithin delivery system of <i>Boswellia serrata</i> extract</b> C. Artaria <sup>1</sup> , P. Morazzoni <sup>*1</sup> , A. Riva <sup>1</sup> , G. Appendino <sup>2</sup> , M. Abdel-Tawab <sup>3</sup> , <sup>1</sup> <i>Indena, Italy</i> , <sup>2</sup> <i>University of Eastern Piedmont, Italy</i> , <sup>3</sup> <i>Central Laboratory of German Pharmacists, Germany</i>
16:20-16:35	<b>Lipopolysaccharide induced asthma exacerbation and its amelioration by different routes of curcumin administration in murine model</b> R. Singh*, A. Kumari, D. Dash, <i>Banaras Hindu University, India</i>
16:35-16:50	<b>Dietary galacto-oligosaccharides reduce airway eosinophilia and enhance the Th2 suppressive effect of budesonide in house dust mite-induced asthma in mice</b> K.A.T. Verheijden <sup>1</sup> , A.D. Kraneveld <sup>1</sup> , J. Garssen <sup>1,2</sup> , L.E.M. Willemsen <sup>1</sup> , G. Folkerts <sup>*1</sup> , <sup>1</sup> <i>Utrecht Institute for Pharmaceutical Sciences, The Netherlands</i> , <sup>2</sup> <i>Nutricia Research, The Netherlands</i>
16:50-17:25	<b>Invited lecture: Can microbial food keep the doctors away?</b> G. Reid, <i>University of Western Ontario, Canada</i>
17:25-19:30	<b>Welcome reception – Poster and Networking session</b>
<b>Tuesday, April 14, 2015</b>	
<b>Session 3 - GI Tract</b>	
08:30-09:05	<b>Invited lecture: Circadian rhythm, microbiota and inflammatory disorders</b> A. Keshavarzian, <i>Rush University Medical Center, USA</i>
09:05-09:20	<b>Conditioned media from gamma-aminobutyric acid (GABA)-producing <i>Lactobacillus brevis</i> displays a similar bioactivity and pharmacological profile as GABA <i>ex vivo</i></b> K.W. Lomasney, J.F. Cryan, N.P. Hyland*, <i>University College Cork, Ireland</i>
09:20-09:35	<b>Dietary intake of fibres: Differential effects in men and women on general health and perceived immune functioning</b> D. Bury <sup>*1</sup> , A.M. Fernstrand <sup>1</sup> , J. Garssen <sup>1,2</sup> , J.C. Verster <sup>1,3</sup> , <sup>1</sup> <i>Utrecht University, The Netherlands</i> , <sup>2</sup> <i>Nutricia Research, The Netherlands</i> , <sup>3</sup> <i>Swinburne University, Australia</i>
09:35-09:50	<b>Bacterial metabolites regulate gastrointestinal barrier function via the pregnane X receptor, toll-like receptor 4 pathway</b> S.M. Mani, <i>Albert Einstein College of Medicine, USA</i>
09:50-10:30	<b>Coffee break</b>

Session 4 - Cancer	
10:30-11:05	<b>Invited lecture: Nutrition, microbiome and cancer</b> K. Khazaie, <i>Mayo Clinic, USA</i>
11:05-11:20	<b>Resveratrol derivatives as colorectal cancer chemopreventive agents</b> M.F. Wang, <i>University of Hong Kong, Hong Kong</i>
11:20-11:35	<b>Trimethylglycine supplementation accentuates cisplatin-induced hepatotoxicity by suppressing oxidative stress and inflammation and down-regulation of nuclear factor kappa and caspase-3 in rats</b> H.H. Hagar*, A. El Medany, G. El Medany, <i>King Saud University, Saudi Arabia</i>
11:35-11:50	<b>Characterization of Biological Markers and DNA Methylation in Triple-Negative Breast Cancer Saudi Females</b> M.M. Sayed-Ahmed*, M.L. Aldelemy, M.M. Hafez, O.A. Al-Shabanah, A. Alsheikh, A.I. Al Theyab, M.H. AL-Akeely, <i>King Saud University, Saudi Arabia</i>
11:50-14:00	<b>Lunch - Poster viewing and networking</b>
Session 5 - Autoimmune	
14:00-14:35	<b>Invited lecture: Pharma-Nutrition as a new approach in autoimmunity: A role for Tregs and microbiome</b> D. Hafler, <i>Yale University, USA</i>
14:35-14:50	<b>Early supplementation of non-obese diabetes mice with oligosaccharides isolated from human milk reduces spontaneous autoimmune diabetes development later in life</b> L. Xiao* <sup>2</sup> , A.P. Vos <sup>1,2</sup> , A. Nato <sup>1,2</sup> , J. Bastiaans <sup>1</sup> , A. Leusink-Muis <sup>2,3</sup> , B. Stahl <sup>1</sup> , J. Garssen <sup>1,2</sup> , G. Folkerts <sup>2,3</sup> , <sup>1</sup> Nutricia Research, The Netherlands, <sup>2</sup> Utrecht University, The Netherlands, <sup>3</sup> Curax BV, Houten, The Netherlands
14:50-15:05	<b>Nutraceuticals, probiotics and the gastrointestinal microbiome in mood disorders</b> L. Vitetta* <sup>1,3</sup> , M. Bambling <sup>2</sup> , S. Coulson <sup>1,3</sup> , <sup>1</sup> The University of Sydney, Australia, <sup>2</sup> The University of Queensland, Australia, <sup>3</sup> Medlab Clinical, Australia
15:05-15:20	<b>A high fiber nutrient-dense supplement improves the metabolome in obese parent-teen dyads</b> J.H. Suh* <sup>1</sup> , N. Narayanan <sup>2</sup> , K. Laine-Graves <sup>1</sup> , J. McCann <sup>1</sup> , S.V. Shenvi <sup>1</sup> , M.K. Shigenaga <sup>1</sup> , B.N. Ames <sup>1</sup> , M. Mietus-Dryder <sup>1</sup> , <sup>1</sup> UCSF Benioff Children's Hospital Oakland, USA, <sup>2</sup> George Washington School of Medicine, USA, <sup>3</sup> Children's National Medical Center, USA
15:20-16:00	<b>Coffee break</b>
Session 6 - Early life interventions and late life consequences	
16:00-16:35	<b>Invited lecture: The human gut microbiota in the first 1000 days</b> J. Knol, <i>Wageningen University, The Netherlands</i>
16:35-16:50	<b>Neurodevelopmental outcomes at 24 months of very preterm infants after supplementation with neutral and acidic oligosaccharides and associations with neonatal cytokine concentrations</b> J.P. van den Berg* <sup>1,4</sup> , E.A.M. Westerbeek <sup>1</sup> , T. Bröring-Starre <sup>1</sup> , J. Garssen <sup>2,3</sup> , R.M. van Elburg <sup>3,1</sup> , <sup>1</sup> VU University Medical Center, The Netherlands, <sup>2</sup> Nutricia Research, The Netherlands, <sup>3</sup> Utrecht University, The Netherlands, <sup>4</sup> Rush University Medical Center, USA
16:50-17:05	<b>Maternal dietary supplementation with specific non-digestible oligosaccharides during pregnancy in mice leads to reduced allergic asthma symptoms in their offspring</b> A. Hogenkamp* <sup>1</sup> , S. Thijssen <sup>1</sup> , N. van Vlies <sup>1</sup> , L. Knippels <sup>1,2</sup> , J. Garssen <sup>1,2</sup> , <sup>1</sup> Utrecht University, The Netherlands, <sup>2</sup> Nutricia Research, The Netherlands
17:05-17:20	<b>Significant reduction in allergic responses in the offspring of mice supplemented with specific non-digestible oligosaccharides during lactation</b> A. Hogenkamp <sup>1</sup> , S. Thijssen <sup>1</sup> , L. Knippels* <sup>1,2</sup> , J. Garssen <sup>1,2</sup> , <sup>1</sup> Utrecht University, The Netherlands, <sup>2</sup> Nutricia Research, The Netherlands
17:20-17:55	<b>Invited lecture: HIV and the Microbiome: Lessons learned for therapeutic approaches</b> A. Landay, <i>Rush University Medical Center, USA</i>
19:00-22:30	<b>Gala dinner – ticket holders only</b>
Wednesday, April 15, 2015	
Session 7 - Gut Brain	
08:30-09:05	<b>Invited lecture: Food-microbes-gut-brain - who's in control?</b> J. Cryan, <i>University College Cork, Ireland</i>
09:05-09:40	<b>Invited lecture: Microbe-gut-brain axis – A clinical perspective</b> R-J.M. Brummer, <i>Örebro University, Sweden</i>
09:40-09:55	<b>Dietary interventions with strong preventive and therapeutic effects on both motor and non-motor symptoms in a mouse model of Parkinson's disease</b> P. Perez-Pardo* <sup>1</sup> , E.M. de Jong <sup>1</sup> , H. Douna <sup>1</sup> , L.M. Broersen <sup>2</sup> , A. Attali <sup>2</sup> , N. van Wijk <sup>2</sup> , J. Garssen <sup>1,2</sup> , B. Olivier <sup>1</sup> , A.D. Kraneveld <sup>1</sup> , <sup>1</sup> Utrecht Institute for Pharmaceutical Sciences, The Netherlands, <sup>2</sup> Nutricia Research, The Netherlands
09:55-10:10	<b>Gastrointestinal microbiota and metabolites in autism and associated gastrointestinal dysfunction</b> S. Gondalia* <sup>1,3</sup> , E. Palombo <sup>1</sup> , S. Knowles <sup>1</sup> , D. Beale <sup>2</sup> , D. Austin <sup>3</sup> , <sup>1</sup> Swinburne University of Technology,

	<i>Australia, <sup>2</sup>CSIRO, Australia, <sup>3</sup>Deakin University, Australia</i>
10:10-10:25	<b>Probiotics in mood and anxiety</b> <i>S. van Hemert, Winclave, The Netherlands</i>
10:25-11:00	<b>Coffee break</b>
<b>Session 8 - New directions in the field &amp; the next generation</b>	
11:00-11:35	<b>Invited lecture: Dietary metabolites and inflammation from epigenetic effects in utero to metabolite sensing receptors in adulthood</b> <i>C. Mackay, Monash University, Australia</i>
11:35-11:50	<b>The role of perioperative oral nutritional supplement in elderly hip-surgery patients</b> <i>L.M. Liu*<sup>1</sup>, Y.J. Yang<sup>2</sup>, H.F. Huang<sup>1</sup>, S.Y. Song<sup>1</sup>, X.Z. Xiang<sup>1</sup>, <sup>1</sup>West China Hospital of Sichuan University, China, <sup>2</sup>Xiamen No.2 Hospital, China</i>
11:50-12:00	Young investigator oral poster presentation 1
12:00-12:10	Young investigator oral poster presentation 2
12:10-12:20	Young investigator oral poster presentation 3
12:20-13:20	<b>Panel Discussion led by A. Landay, Rush University Medical Center, USA</b>
13:20-13:30	<b>Closing remarks</b> - A. Landay, Rush University Medical Center, USA
<b>Complimentary Author Workshop</b>	
15:00-17:00	<b>Complimentary Author Workshop</b> <b>How to write great papers: From title to references, from submission to publication</b> <i>J. van Harten, Elsevier, The Netherlands</i>