

Overview of publications of MSB (2017-2013)

2017

Paillart, M.J.M., **Vossen, J.M.B.M. van der**, **Levin, E.**, **Lommen, E.**, Otma, E.C., Snels, J.C.M.A. & Woltering, E.J. (2017). Bacterial population dynamics and sensorial quality loss in modified atmosphere packed fresh-cut iceberg lettuce. *Postharvest Biology and Technology*, 124, 91-99. doi:<http://dx.doi.org/10.1016/j.postharvbio.2016.10.008>

Koopman, J.E., Hoogenkamp, M.A., Buijs, M.J., Brandt, B.W., **Keijser, B.J.F.**, Crielaard, W., Cate, J.M. ten & Zaura, E. (2017). Changes in the oral ecosystem induced by the use of 8% arginine toothpaste. *Archives of Oral Biology*, 73, 79-87. doi:<http://dx.doi.org/10.1016/j.archoralbio.2016.09.008>

Ibarra, A., Olli, K., **Pasman, W.**, **Hendriks, H.**, Alhoniemi, E., Raza, G.S., Herzig, K.H. & Tiihonen, K. (2017). Effects of polydextrose with breakfast or with a midmorning preload on food intake and other appetite-related parameters in healthy normal-weight and overweight females: An acute, randomized, double-blind, placebo-controlled, and crossover study. *Appetite*, 110, 15-24. doi:<http://dx.doi.org/10.1016/j.appet.2016.12.002>

Marco, M.L. & Heeney, D. (2017). Health benefits of fermented foods: microbiota and beyond. *Current Opinion in Biotechnology*, 44, 94-102. doi:<http://dx.doi.org/10.1016/j.copbio.2016.11.010>

Sun, M., Wijk, E. van, Koval, S., Wijk, R. van, He, M., Wang, M., Hankemeier, T. & **Greef, J. van der** (2017). Measuring ultra-weak photon emission as a non-invasive diagnostic tool for detecting early-stage type 2 diabetes: A step toward personalized medicine. *Journal of Photochemistry and Photobiology B: Biology*, 166, 86-93. doi:<http://dx.doi.org/10.1016/j.jphotobiol.2016.11.013>

Li, M., Graaf, I.A.M. de, **Stegg, E. van de**, Jager, M.H. de & Groothuis, G.M.M. (2017). The consequence of regional gradients of P-gp and CYP3A4 for drug-drug interactions by P-gp inhibitors and the P-gp/CYP3A4 interplay in the human intestine ex vivo. *Toxicology in Vitro*, 40, 26-33. doi:<http://dx.doi.org/10.1016/j.tiv.2016.12.002>

2016

He, M., Sun, M., Wijk, E. van, **Wietmarschen, H. van**, Wijk, R. van, Wang, Z., Wang, M., Hankemeier, T. & **Greef, J. van der** (2016). A Chinese literature overview on ultra-weak photon emission as promising technology for studying system-based diagnostics. *Complementary Therapies in Medicine*, 25, 20-26. doi:<http://dx.doi.org/10.1016/j.ctim.2015.12.015>

Spruit, M.A., Franssen, F.M.E., Rutten, E.P.A., **Wopereis, S.**, Wouters, E.F.M. & Vanfleteren, L.E.G.W. (2016). A new perspective on COPD exacerbations: Monitoring impact by measuring physical, psychological and social resilience. *European Respiratory Journal*, 47(4), 1024-1027. doi:<http://dx.doi.org/10.1183/13993003.01645-2015>

Wielen, P.W.J.J. van der, Bakker, G., Atsma, A., Lut, M., **Roeselers, G.** & Graaf, B. de (2016). A survey of indicator parameters to monitor regrowth in unchlorinated drinking water. *Environmental Science: Water Research and Technology*, 2(4), 683-692. doi:<http://dx.doi.org/10.1039/c6ew00007j>

Matualatupaw, J.C., **Radonjic, M.**, Rest, O. van de, Groot, L.C.P.G.M. de, Geleijnse, J.M., Müller, M. & Afman, L.A. (2016). Apolipoprotein E genotype status affects habitual human blood mononuclear cell gene expression and its response to fish oil intervention. *Molecular Nutrition and Food Research*, 60(7), 1649-1660. doi:<http://dx.doi.org/10.1002/mnfr.201500941>

Schrieks, I.C., Wei, M.Y., Rimm, E.B., Okereke, O.I., Kawachi, I., Hendriks, H.F.J. & Mukamal, K.J. (2016). Bidirectional associations between alcohol consumption and health-related quality of life amongst young and middle-aged women. *Journal of Internal Medicine*, 279(4), 376-387. doi:<http://dx.doi.org/10.1111/joim.12453>

Kooter, I.M., **Grollers-Mulderij, M.**, Steenhof, M., Duistermaat, E., Acker, F.A.A. van, Staal, Y.C.M., Tromp, P.C., Schoen, E.D., Kuiper, C.F. & Someren, E.P. van (2016). Cellular effects in an in vitro human 3D cellular airway model and A549/BEAS-2B in vitro cell cultures following air exposure to cerium oxide particles at an air-liquid interface. *Applied in Vitro Toxicology*, 2(1), 56-66.

Wilkinson, M.D., Dumontier, M., Aalbersberg, I.J., Appleton, G., Axton, M., Baak, A., Blomberg, N., Boiten, J.W., Silva Santos, L.B. da, Bourne, P.E., **Bouwman, J.**, Brookes, A.J., Clark, T., Crosas, M., Dillo, I., Dumon, O., Edmunds, S., Evelo, C.T., Finkers, R., Gonzalez-Beltran, A., Gray, A.J.G., Groth, P., Goble, C., Grethe, J.S., Heringa, J., Hoen, P.A.C. 't, Hooft, R., Kuhn, T., Kok, R., Kok, J., Lusher, S.J., Martone, M.E., Mons, A., Packer, A.L., Persson, B., Rocca-Serra, P., Roos, M., Schaik, R. van, Sansone, S.A., Schultes, E., Sengstag, T., Slater, T., Strawn, G., Swertz, M.A., Thompson, M., Lei, J. van der, Mulligen, E. van, Velterop, J., Waagmeester, A., Wittenburg, P., Wolstencroft, K., Zhao, J. & Mons, B. (2016). Comment: The FAIR Guiding Principles for scientific data management and stewardship. *Scientific Data*, 3 doi:<http://dx.doi.org/10.1038/sdata.2016.18>

Imangaliyev, S., Veen, M.H. van der, Volgenant, C.M.C., **Keijser, B.J.F.**, Crielaard, W. & Levin, E. (2016). Deep learning for classification of dental plaque images. In Nicosia, G., Giuffrida, G., Conca, P. & Pardalos, P.M. (Eds.), *2nd International Workshop on Machine Learning, Optimization and Big Data, MOD 2016. 26 August 2016 through 29 August 2016*(Vol. 10122 LNCS, (pp. 407-410). doi:http://dx.doi.org/10.1007/978-3-319-51469-7_34

Wijermars, L.G.M., Schaapherder, A.F., Vries, D.K. de, **Verschuren, L.**, Wüst, R.C.I., Kostidis, S., Mayboroda, O.A., Prins, F., Ringers, J., Bierau, J., Bakker, J.A., Kooistra, T. & Lindeman, J.H.N. (2016). Defective postreperfusion metabolic recovery directly associates with incident delayed graft function. *Kidney International*, 90(1), 181-191. doi:<http://dx.doi.org/10.1016/j.kint.2016.02.034>

Sun, M., Wijk, R. van, Wijk, E. van, Wang, M., **Wietmarschen, H. van**, Hankemeier, T. & **Greef, J. van der** (2016). Delayed luminescence: an experimental protocol for Chinese herbal medicines. *Luminescence*, , 1220-1228. doi:<http://dx.doi.org/10.1002/bio.3094>

Aguirre, M., Eck, A., Koenen, M.E., Savelkoul, P.H.M., Budding, A.E. & **Venema, K.** (2016). Diet drives quick changes in the metabolic activity and composition of human gut microbiota in a validated in vitro gut model. *Research in Microbiology*, 167(2), 114-125. doi:<http://dx.doi.org/10.1016/j.resmic.2015.09.006>

Fu, J., Cuppen, B.V.J., Welsing, P.M., **Wietmarschen, H. van**, Harms, A.C., Berger, R., Koval, S., Fritsch-Stork, R.D., Bijlsma, J.W., Hankemeier, T., **Greef, J. van der** & Lafeber, F.P. (2016). Differences between serum polar lipid profiles of male and female rheumatoid arthritis patients in response to glucocorticoid treatment. *Inflammopharmacology*, , Epub 28 Sept. doi:<http://dx.doi.org/10.1007/s10787-016-0284-1>

Caspers, M.P.M., Boekhorst, J., Jong, A., Kort, R., Groot, M.N. & Abee, T. (2016). Draft genome sequences of four thermophilic spore formers isolated from a dairyprocessing environment. *Genome Announcements*, 4(4) doi:<http://dx.doi.org/10.1128/genomeA.00757-16>

Prodan, A., **Imangaliyev, S.**, Brand, H.S., Rosema, M.N.A., Levin, E., Crielaard, W., **Keijser, B.J.F.** & Veerman, E.C.I. (2016). Effect of experimental gingivitis induction and erythritol on the salivary metabolome and functional biochemistry of systemically healthy young adults. *Metabolomics*, 12(10) doi:<http://dx.doi.org/10.1007/s11306-016-1096-4>

Sun, M., Li, L., Wang, M., Van Wijk, E., He, M., Wijk, R. van, Koval, S., Hankemeier, T., **Greef, J. van der** & Wei, S. (2016). Effects of growth altitude on chemical constituents and delayed luminescence properties in medicinal rhubarb. *Journal of Photochemistry and Photobiology B: Biology*, 162, 24-33. doi:<http://dx.doi.org/10.1016/j.jphotobiol.2016.06.018>

Cuppen, B.V.J., Fu, J., **Wietmarschen, H.A. van**, Harms, A.C., Koval, S., Marijnissen, A.C.A., Peeters, J.J.W., Bijlsma, J.W.J., Tekstra, J., Laar, J.M. van, Hankemeier, T., Lafeber, F.P.J.G. & **Greef, J. van der** (2016). Exploring the inflammatory metabolomic profile to predict response to TNF- α inhibitors in rheumatoid arthritis. *PLoS ONE*, 11(9) doi:<http://dx.doi.org/10.1371/journal.pone.0163087>

Amaral Santos, P.L., Imangaliyev, S., Schutte, K. & Levin, E. (2016). Feature selection via co-regularized sparse-group lasso. In Nicosia, G., Giuffrida, G., Conca, P. & Pardalos, P.M. (Eds.), (Vol. 10122 LNCS, (pp. 118-131). ... : Springer Verlag. doi:http://dx.doi.org/10.1007/978-3-319-51469-7_10

Wietmarschen, H.A., Wortelboer, H.M. & Greef, J. van der (2016). *Grip on health: A complex systems approach to transform health care.*

Leon-Acuña, A., Alcalá-Díaz, J.F., Delgado-Lista, J., Torres-Peña, J.D., Lopez-Moreno, J., Camargo, A., García-Ríos, A., Marin, C., Gomez-Delgado, F., Caballero, J., **Ommen, B. van**, Malagon, M.M., Perez-Martinez, P. & Lopez-Miranda, J. (2016). Hepatic insulin resistance both in prediabetic and diabetic patients determines postprandial lipoprotein metabolism: From the CORDIOPREV study. *Cardiovascular Diabetology*, 15(1) doi:<http://dx.doi.org/10.1186/s12933-016-0380-y>

Pantophlet, A.J., **Wopereis, S.**, Eelderink, C., Vonk, R.J., **Stroeve, J.H.**, Bijlsma, S., Stee, L. van, **Bobeldijk, I.** & Priebe, M.G. (2016). *Metabolic Profiling Reveals Differences in Plasma Concentrations of Arabinose and Xylose after Consumption of Fiber-Rich Pasta and Wheat Bread with Differential Rates of Systemic Appearance of Exogenous Glucose in Healthy Men.*

Ouden, H. den, Pellis, L., Rutten, G.E.H.M., **Geerars-van Vonderen, I.K.**, Rubingh, C.M., **Ommen, B. van**, **Erk, M.J. van** & Beulens, J.W.J. (2016). Metabolomic biomarkers for personalised glucose lowering drugs treatment in type 2 diabetes. *Metabolomics*, 12(2), 1-9. doi:<http://dx.doi.org/10.1007/s11306-015-0930-4>

Schoeman, J.C., Harms, A.C., **Wietmarschen, H.A. van**, Vreeken, R.J., Berger, R., Cuppen, B.V.J., Lafeber, F.P.J.G., **Greef, J. van der** & Hankemeier, T. (2016). Metabolomics profiling of the free and total oxidised lipids in urine by LC-MS/MS: application in patients with rheumatoid arthritis. *Analytical and Bioanalytical Chemistry*, , Epub 1-13. doi:<http://dx.doi.org/10.1007/s00216-016-9742-2>

Kortman, G.A.M., Dutilh, B.E., Maathuis, A.J.H., Engelke, U.F., Boekhorst, J., Keegan, K.P., Nielsen, F.G.G., Betley, J., Weir, J.C., Kingsbury, Z., Kluijtmans, L.A.J., Swinkels, **D.W.**, **Venema, K.** & Tjalsma, H. (2016). Microbial metabolism shifts towards an adverse profile with supplementary iron in the TIM-2 in vitro model of the human colon. *Frontiers in Microbiology*, 6(JAN) doi:<http://dx.doi.org/10.3389/fmicb.2015.01481>

Schrieks, I.C., Joosten, M.M., Klöpping-Ketelaars, W.A.A., Witkamp, R.F. & **Hendriks, H.F.J.** (2016). Moderate alcohol consumption after a mental stressor attenuates the endocrine stress response. *Alcohol*, 57, 29-34. doi:<http://dx.doi.org/10.1016/j.alcohol.2016.10.006>

Dols, J.A.M., Molenaar, D., Helm, J.J. van der, **Caspers, M.P.M.**, **Kat Angelino-Bart, A. de**, **Schuren, F.H.J.**, Speksnijder, A.G.C.L., Westerhoff, H.V., Richardus, J.H., Boon, M. E., Reid, G., Vries, H.J.C de & **Kort, R.** (2016). Molecular assessment of bacterial vaginosis by Lactobacillus abundance and species diversity. *BMC Infectious Diseases*, 16 doi:<http://dx.doi.org/10.1186/s12879-016-1513-3>

Westerik, N., Wacoo, A. P., Sybesma¹, W. & **Kort, R.** (2016). *Novel Production Protocol for Small-scale Manufacture of Probiotic Fermented Foods (video article)*.

Ripken, D., Wielen, N. van der, **Wortelboer, H.M.**, Meijerink, J., Witkamp, R.F. & **Hendriks, H.F.J.** (2016). Nutrient-induced glucagon like peptide-1 release is modulated by serotonin. *Journal of Nutritional Biochemistry*, 32, 142-150. doi:<http://dx.doi.org/10.1016/j.jnutbio.2016.03.006>

Rijkschroeff, P., Jansen, I.D.C., Weijden, F.A. van der, **Keijser, B.J.F.**, Loos, B.G. & Nicu, E.A. (2016). Oral polymorphonuclear neutrophil characteristics in relation to oral health: A cross-sectional, observational clinical study. *International Journal of Oral Science*, 8(3), 191-198. doi:<http://dx.doi.org/10.1038/ijos.2016.23>

Paillart, M.J.M., **Vossen, J.M.B.M. van der, Lommen, E., Levin, E.**, Otma, E.C., Snels, J.C.M.A. & Woltering, E.J. (2016). Organic acids produced by lactic acid bacteria (*Leuconostoc* sp.) contribute to sensorial quality loss in modified-atmosphere-packed fresh-cut iceberg lettuce. In Cantwell M.I. (Ed.), (Vol. 1141, (pp. 289-296). doi:<http://dx.doi.org/10.17660/ActaHortic.2016.1141.36>

Berk, K.A., Mulder, M.T., Verhoeven, A.J.M., **Wietmarschen, H. van**, Boessen, R., Pellis, L.P., Spijker, A.T. van, Timman, R., Ozcan, B. & Sijbrands, E.J.G. (2016). Predictors of diet-induced weight loss in overweight adults with type 2 diabetes. *PLoS ONE*, 11(8) doi:<http://dx.doi.org/10.1371/journal.pone.0160774>

Mooij, M.G., **Steeg, E. van de**, Rosmalen, J. van, Windster, J.D., Koning, B.A.E. de, **Vaes, W.H.J.**, Groen, B.D. van, Tibboel, D., **Wortelboer, H.M.** & Wildt, S.N. de (2016). Proteomic analysis of the developmental trajectory of human hepatic membrane transporter proteins in the first three months of life. *Drug Metabolism and Disposition*, 44(7), 1005-1013. doi:<http://dx.doi.org/10.1124/dmd.115.068577>

Avesaat, M. van, Troost, F.J., **Ripken, D., Hendriks, H.F.J.** & Masclee, A.A.M. (2016). Reply to M Mehrdad (Letter). *American Journal of Clinical Nutrition*, 103(4), 1188-1189. doi:<http://dx.doi.org/10.3945/ajcn.115.129627>

Hossain, A.H., Li, A., Brickwedde, A., **Wilms, L., Caspers, M., Overkamp, K. & Punt, P.J.** (2016). Rewiring a secondary metabolite pathway towards itaconic acid production in *Aspergillus niger*. *Microbial Cell Factories*, 15(1) doi:<http://dx.doi.org/10.1186/s12934-016-0527-2>

Grootaers, G., Ostendorf, R., **Bobeldijk, I.**, Hanemaaijer, R., Kooter, I., Sandt, H. van de, **Steeg, E. van de & Krul, C.** (2016). *The 3 dimensions of Organ-on-a-chip*. Den Haag: TNO.

Fallaize, R., Celis-Morales, C., MacReady, A.L., Marsaux, C.F.M., Forster, H., O'Donovan, C., Woolhead, C., San-Cristobal, R., Kolossa, S., Hallmann, J., Mavrogianni, C., Surwillo, A., Livingstone, K.M., Moschonis, G., Navas-Carretero, S., Walsh, M.C., Gibney, E.R., Brennan, L., **Bouwman, J.**, Grimaldi, K., Manios, Y., Traczyk, I., Drevon, C.A., Martinez, J.A., Daniel, H., Saris, W.H.M., Gibney, M.J., Mathers, J.C. & Lovegrove, J.A. (2016). The effect of the apolipoprotein E genotype on response to personalized dietary advice intervention: Findings from the Food4Me randomized controlled trial. *American Journal of Clinical Nutrition*, 104(3), 827-836. doi:<http://dx.doi.org/10.3945/ajcn.116.135012>

Aguirre, M., Souza, C.B. de & **Venema, K.** (2016). The gut microbiota from lean and obese subjects contribute differently to the fermentation of arabinogalactan and inulin. *PLoS ONE*, 11(7) doi:<http://dx.doi.org/10.1371/journal.pone.0159236>

Summer, G., Kelder, T., Radonjic, M., Bilsen, M. van, **Wopereis, S.** & Heymans, S. (2016). The Network Library: A framework to rapidly integrate network biology resources. *Bioinformatics*, 32(17), i473-i478. doi:<http://dx.doi.org/10.1093/bioinformatics/btw436>

Burgos, R.C.R., Cervinková, K., Laan, T. van der, Ramautar, R., Wijk, E.P.A. van, Cifra, M., Koval, S., Berger, R., Hankemeier, T. & **Greef, J. van der** (2016). Tracking biochemical changes correlated with ultra-weak photon emission using metabolomics. *Journal of Photochemistry and Photobiology B: Biology*, 163, 237-245. doi:<http://dx.doi.org/10.1016/j.jphotobiol.2016.08.030>

Stroeve, J.H.M., Saccenti, E., **Bouwman, J.,** Dane, A., Strassburg, K., Vervoort, J., Hankemeier, T., Astrup, A., Smilde, A.K., **Ommen, B. van** & Saris, W.H.M. (2016). Weight loss predictability by plasma metabolic signatures in adults with obesity and morbid obesity of the DiOGenes study. *Obesity*, 24(2), 379-388. doi:<http://dx.doi.org/10.1002/oby.21361>

2015

Zune, Q., Delepierre, A., Gofflot, S., Bauwens, J., Twizere, J.C., **Punt, P.J.,** Francis, F., Toye, D., Bawin, T. & Delvigne, F. (2015). A fungal biofilm reactor based on metal structured packing improves the quality of a Gl₁::GFP fusion protein produced by *Aspergillus oryzae*. *Applied Microbiology and Biotechnology*, 99(15), 6241-6254. doi:<http://dx.doi.org/10.1007/s00253-015-6608-z>

Kort, R., Westerik, N., Mariela Serrano, L., Douillard, F.P., Gottstein, W., Mukisa, I.M., Tuijn, C.J., Basten, L., Hafkamp, B., Meijer, W.C., Teusink, B., Vos, W.M., Reid, G. & Sybesma, W. (2015). A novel consortium of *Lactobacillus rhamnosus* and *Streptococcus thermophilus* for increased access to functional fermented foods. *Microbial Cell Factories*, 14(1) doi:<http://dx.doi.org/10.1186/s12934-015-0370-x>

Goelela, V.S., Kelder, T., Adriaens, M.E., Evelo, C.T. & **Radonjic, M.** (2015). A user-friendly workflow for analysis of Illumina gene expression bead array data available at the arrayanalysis.org portal. *BMC Genomics*, 16(1) doi:<http://dx.doi.org/10.1186/s12864-015-1689-8>

Tuin, S.J. van der, Kühnast, S., Berbée, J., **Verschuren, L.,** Pieterman, E.J., Havekes, L.M., Hoorn, J.W. van der, Rensen, P.C., Jukema, J.W., Princen, H.M., Willems van Dijk, K. & Wang, Y. (2015). Anacetrapib reduces (V)LDL-cholesterol by inhibition of CETP activity and reduction of plasma PCSK9. *Journal of Lipid Research*, 56(11), 2085-2093. doi:<http://dx.doi.org/10.1194/jlr.M057794>

Schnorr, S.L., Crittenden, A.N., **Venema, K.,** Marlowe, F.W. & Henry, A.G. (2015). Assessing digestibility of Hadza tubers using a dynamic in-vitro model. *American Journal of Physical Anthropology*, 158(3), 371-385. doi:<http://dx.doi.org/10.1002/ajpa.22805>

Livingstone K.M., Celis-Morales C., Lara J., Ashor A.W., Lovegrove J.A., Martinez J.A., Saris W.H., Gibney M., Manios Y., Traczyk I., Drevon C.A., Daniel H., Gibney E.R., Brennan L., **Bouwman J.,** Grimaldi K.A. & Mathers J.C. (2015). Associations between FTO genotype and total energy and macronutrient intake in adults: A systematic review and meta-analysis. *Obesity Reviews*, 16(8), 666-678. doi:<http://dx.doi.org/10.1111/obr.12290>

Ripken, D., Wielen, N. van der, Meulen, J. van der, Schuurman, T., Witkamp, R.F., **Hendriks, H.F.J.** & Koopmans, S.J. (2015). Cholecystikinin regulates satiation independently of the abdominal vagal nerve in a pig model of total subdiaphragmatic vagotomy. *Physiology and Behavior*, 139, 167-176. doi:<http://dx.doi.org/10.1016/j.physbeh.2014.11.031>

He, M., Wijk, E. van, Berger, R., Wang, M., Strassburg, K., Schoeman, J.C., Vreeken, R.J., **Wietmarschen, H. van**, Harms, A.C., Kobayashi, M., Hankemeier, T. & **Greef, J. van der** (2015). Collagen Induced Arthritis in DBA/1J Mice Associates with Oxylipin Changes in Plasma. *Mediators of Inflammation*, 2015 doi:<http://dx.doi.org/10.1155/2015/543541>

Salek, R.M., Neumann, S., Schober, D., Hummel, J., Billiau, K., Kopka, J., Correa, E., Reijmers, T., Rosato, A., Tenori, L., Turano, P., Marin, S., Deborde, C., Jacob, D., Rolin, D., Dartigues, B., Conesa, P., Haug, K., Rocca-Serra, P., O'Hagan, S., Hao, J., Vliet, M. van, Sysi-Aho, M., Ludwig, C., **Bouwman, J.**, Cascante, M., Ebbels, T., Griffin, J.L., Moing, A., Nikolski, M., Oresic, M., Sansone, S.A., Viant, M.R., Goodacre, R., Günther, U.L., Hankemeier, T., Luchinat, C., Walther, D. & Steinbeck, C. (2015). COordination of Standards in MetabOlomicS (COSMOS): facilitating integrated metabolomics data access. *Metabolomics*, 11(6), 1587-1597. doi:<http://dx.doi.org/10.1007/s11306-015-0810-y>

Oliveira, S.C., Slot, D.E., Celeste, R.K., Abegg, C., **Keijser, B.J.F.** & Weijden, F.A. van der (2015). Correlations between two different methods to score bleeding and the relationship with plaque in systemically healthy young adults. *Journal of Clinical Periodontology*, 42(10), 908-913. doi:<http://dx.doi.org/10.1111/jcpe.12435>

Souza, C.B. de, **Roeselers, G.**, Troost, F., Jonkers, D., Koenen, M.E. & **Venema, K.** (2015). Corrigendum to "Prebiotic effects of cassava bagasse in TNO's in vitro model of the colon in lean versus obese microbiota" [Journal of Functional Foods 11, (2014), 210-220], doi:10.1016/j.jff.2014.09.019. *Journal of Functional Foods*, 13, 391. doi:<http://dx.doi.org/10.1016/j.jff.2015.01.016>

Summer, G., **Kelder, T.**, Ono, K., **Radonjic, M.**, Heymans, S. & Demchak, B. (2015). CyNeo4j: Connecting Neo4j and Cytoscape. *Bioinformatics*, 31(23), 3868-3869. doi:<http://dx.doi.org/10.1093/bioinformatics/btv460>

Nieuwenhuijzen, E.J. van, Sailer, M.F., Gobakken, L.R., Adan, O.C.G., **Punt, P.J.** & Samson, R.A. (2015). Detection of outdoor mould staining as biofinish on oil treated wood. *International Biodeterioration and Biodegradation*, 105, 215-227. doi:<http://dx.doi.org/10.1016/j.ibiod.2015.09.001>

Rashid, M.U., Zaura, E., Buijs, M.J., **Keijser, B.J.F.**, Crielaard, W., Nord, C.E. & Weintraub, A. (2015). Determining the long-term effect of antibiotic administration on the human normal intestinal microbiota using culture and pyrosequencing methods. *Clinical Infectious Diseases*, 60, S77-S84. doi:<http://dx.doi.org/10.1093/cid/civ137>

Sticova, E., Lodererova, A., **Steeg, E. van de**, Frankova, S., Kollar, M., Lanska, V., Kotalova, R., Dedic, T., Schinkel, A.H. & Jirsa, M. (2015). Down-regulation of OATP1B proteins correlates with hyperbilirubinemia in advanced cholestasis. *International Journal of Clinical and Experimental Pathology*, 8(5), 5252-5262.

Broekman, H., Knulst, A., Hartog Jager, S. den, Monteleone, F., Gaspari, M., Jong, G. de, Houben, G. & **Verhoeckx, K.** (2015). Effect of thermal processing on mealworm allergenicity. *Molecular Nutrition and Food Research*, 59(9), 1855-1864. doi:<http://dx.doi.org/10.1002/mnfr.201500138>

Schrieks, I.C., **Ripken, D.**, Stafleu, A., Witkamp, R.F. & **Hendriks, H.F.J.** (2015). Effects of Mood Inductions by Meal Ambiance and Moderate Alcohol Consumption on Endocannabinoids and N-Acylethanolamines in Humans: A Randomized Crossover Trial. *PLOS One*, 10(5). doi:<http://dx.doi.org/10.1371/journal.pone.0126421>

Salek, R.M., Neumann, S., Schober, D., Hummel, J., Billiau, K., Kopka, J., Correa, E., Reijmers, T., Rosato, A., Tenori, L., Turano, P., Marin, S., Deborde, C., Jacob, D., Rolin, D., Dartigues, B., Conesa,

P., Haug, K., Rocca-Serra, P., O'Hagan, S., Hao, J., Vliet, M. van, Sysi-Aho, M., Ludwig, C., **Bouwman, J.**, Cascante, M., Ebbels, T., Griffin, J.L., Moing, A., Nikolski, M., Oresic, M., Sansone, S.A., Viant, M.R., Goodacre, R., Günther, U.L., Hankemeier, T., Luchinat, C., Walther, D. & Steinbeck, C. (2015). Erratum to: COordination of Standards in MetabOlimicS (COSMOS): facilitating integrated metabolomics data access (*Metabolomics*, 11(6), 1598-1599). doi:<http://dx.doi.org/10.1007/s11306-015-0822-7>

Verhoeckx, K.C.M., Vissers, Y.M., Baumert, J.L., Faludi, R., Feys, M., Flanagan, S., Herouet-Guicheney, C., Holzhauser, T., Shimojo, R., Bolt, N. van der, Wichers, H. & Kimber, I. (2015). Food processing and allergenicity. *Food and Chemical Toxicology*, 80, 223-240. doi:<http://dx.doi.org/10.1016/j.fct.2015.03.005>

Punt, P.J. & Roa Engel, C. (2015). Fungi as production organisms for building block chemicals. *Speciality Chemicals Magazine*, , 22-24.

Verhoeckx, K. & Cotter, P.D. (2015). General introduction. In Verhoeckx, Kitty, Cotter, Paul, López-Expósito, Iván, Kleiveland, Charlotte, Lea, Tor, Mackie, Alan, Requena, Teresa, Swiatecka, Dominika & Wichers, Harry (Eds.), *The Impact of Food Bioactives on Health: In Vitro and Ex Vivo Models ...* : Springer International Publishing. doi:<http://dx.doi.org/10.1007/978-3-319-16104-4>

Steeg, E. van de, Venhorst, J., **Jansen, H.T.**, **Nooijen, I.H.G.**, Degroot, J., **Wortelboer, H.M.** & **Vlaming, M.L.H.** (2015). Generation of Bayesian prediction models for OATP-mediated drug-drug interactions based on inhibition screen of OATP1B1, OATP1B1*15 and OATP1B3. *European Journal of Pharmaceutical Sciences*, 70, 29-36. doi:<http://dx.doi.org/10.1016/j.ejps.2015.01.004>

Celis-Morales, C., Livingstone, K.M., Woolhead, C., Forster, H., O'Donovan, C.B., Macready, A.L., Fallaize, R., Marsaux, C.F.M., Tsigirigi, L., Efstathiopoulou, E., Moschonis, G., Navas-Carretero, S., San-Cristobal, R., Kolossa, S., Klein, U.L., Hallmann, J., Godlewska, M., Surwiłło, A., Drevon, C.A., **Bouwman, J.**, Grimaldi, K., Parnell, L.D., Manios, Y., Traczyk, I., Gibney, E.R., Brennan, L., Walsh, M.C., Lovegrove, J.A., Martinez, J.A., Daniel, H., Saris, W.H.M., Gibney, M. & Mathers, J.C. (2015). How reliable is internet-based self-reported identity, socio-demographic and obesity measures in European adults?. *Genes and Nutrition*, 10(5) doi:<http://dx.doi.org/10.1007/s12263-015-0476-0>

Nohynek, G.J., Skare, J.A., Meuling, W.J.A., Wehmeyer, K.R., Bie, A.T.H.J. de, **Vaes, W.H.J.**, Dufour, E.K., Fautz, R., Steiling, W., Bramante, M. & Toutain, H. (2015). Human systemic exposure to [14C]-paraphenylenediamine-containing oxidative hair dyes: Absorption, kinetics, metabolism, excretion and safety assessment. *Food and Chemical Toxicology*, 81, 71-80. doi:<http://dx.doi.org/10.1016/j.fct.2015.04.003>

Avesaat, M. van, Troost, F.J., **Ripken, D.**, **Hendriks, H.F.** & Aam, M. (2015). Ileal brake activation: Macronutrient-specific effects on eating behavior?. *International Journal of Obesity*, 39(2), 235-243. doi:<http://dx.doi.org/10.1038/ijo.2014.112>

Vogt, L., Meyer, D., Pullens, G., Faas, M., Smelt, M., **Venema, K.**, Ramasamy, U., Schols, H.A. & Vos, P. de (2015). Immunological Properties of Inulin-Type Fructans. *Critical Reviews in Food Science and Nutrition*, 55(3), 414-436. doi:<http://dx.doi.org/10.1080/10408398.2012.656772>

Janus, M.M., **Keijsers, B.J.F.**, Bikker, F.J., Exterkate, R.A.M., Crielaard, W. & Krom, B.P. (2015). In vitro phenotypic differentiation towards commensal and pathogenic oral biofilms. *Biofouling*, 31(6), 503-510. doi:<http://dx.doi.org/10.1080/08927014.2015.1067887>

Raiten, D.J., Sakr Ashour, F.A., Ross, A.C., Meydani, S.N., Dawson, H.D., Stephensen, C.B., Brabin, B.J., Suchdev, P.S., **Ommen, B. van**, Ahluwalia, N., Ahmed, T., Allen, L., Beck, M., Blanchard, H., Brindle, E., Brown, K., Calder, P., Checkley, W., Claycombe, K., Coles, C., Esamai, F., Friis, H.,

Gardner, E., Grinspoon, S., Guerrant, R., Hellerstein, M., Hunt, J., King, J., Klasing, K., Kramer, B., Koski, K., Northrop-Clewes, C., Pfeiffer, C., Prentice, A., Ramirez-Zea, M., Rheen, P. van, Rink, L., Srinivasa, S., Benn, C.S., Stephensen, C., Suchdev, P., Sullivan, K., Thurnham, D., Varadhan, R., Van Der Ven, A., Walston, J. & Xia, J. (2015). Inflammation and nutritional science for programs/policies and interpretation of research evidence (INSPIRE). *Journal of Nutrition*, 145(5), 1039S-1108S. doi:<http://dx.doi.org/10.3945/jn.114.194571>

Prodan, A., Brand, H.S., Ligtenberg, A.J.M., **Imangaliyev, S.**, Tsivtsivadze, E., Weijden, F. van der, Crielaard, W., **Keijser, B.J.F.** & Veerman, E.C.I. (2015). Interindividual variation, correlations, and sex-related differences in the salivary biochemistry of young healthy adults. *European Journal of Oral Sciences*, 123(3), 149-157. doi:<http://dx.doi.org/10.1111/eos.12182>

Lukovac, S. & **Roeselers, G.** (2015). Intestinal crypt organoids as experimental models. In Verhoeckx, K., Cotter, P.C., López-Expósito, I., Kleiveland, C., Lea, T., Mackie, A., Requena, T., Swiatecka, D & Wichers, H. (Eds.), *The Impact of Food Bioactives on Health: In Vitro and Ex Vivo Models* (pp. 245-253). ... : Springer International Publishing. doi:<http://dx.doi.org/10.1007/978-3-319-16104-4>

Avesaat, M. van, Troost, F.J., **Ripken, D.**, Peters, J., **Hendriks, H.F.J.** & Masclee, A.A.M. (2015). Intraduodenal infusion of a combination of tastants decreases food intake in humans. *American Journal of Clinical Nutrition*, 102(4) doi:<http://dx.doi.org/10.3945/ajcn.115.113266>

Wiel, L., Heskes, T. & **Levin, E.** (2015). KeCo: Kernel-based online co-agreement algorithm. In Japkowicz, N. & Matwin, S. (Eds.), *18th International Conference on Discovery Science, DS 2015; Banff, Canada; 4 October 2015 through 6 October 2015*(Vol. 9356, (pp. 308-315). ... : Springer International Publishing. doi:<http://dx.doi.org/10.1007/978-3-319-24282-8>

Sybesma, W., **Kort, R.** & Lee, Y.K. (2015). Locally sourced probiotics, the next opportunity for developing countries?. *Trends in Biotechnology*, 33(4), 197-200. doi:<http://dx.doi.org/10.1016/j.tibtech.2015.01.002>

Minihane, A.M., Vinoy, S., Russell, W.R., Baka, A., Roche, H.M., Tuohy, K.M., Teeling, J.L., Blaak, E.E., Fenech, M., Vauzour, D., McArdle, H.J., **Kremer, B.H.A.**, Sterkman, L., Vafeiadou, K., Benedetti, M.M., Williams, C.M. & Calder, P.C. (2015). Low-grade inflammation, diet composition and health: Current research evidence and its translation. *British Journal of Nutrition*, 114(7), 999-1012. doi:<http://dx.doi.org/10.1017/S0007114515002093>

Vlaming, M.L., Duijn, E. van, Dillingh, M.R., Brands, R., Windhorst, A.D., Hendrikse, N.H., Bosgra, S., Burggraaf, J., Koning, M.C. de, Fidler, A., Mocking, **J.A., Sandman, H., Ligt, R.A. de, Fabriek, B.O., Pasman, W.J.,** Seinen, W., Alves, T., Carrondo, M., Peixoto, C., Peeters, P.A. & **Vaes, W.H.** (2015). Microdosing of a Carbon-14 Labeled Protein in Healthy Volunteers Accurately Predicts Its Pharmacokinetics at Therapeutic Dosages. *Clinical pharmacology and therapeutics*, 98(2), 196-204. doi:<http://dx.doi.org/10.1002/cpt.131>

Schrieks, I.C., Stafleu, A., Griffioen-Roose, S., Graaf, C. de, Witkamp, R.F., Boerrigter-Rijneveld, R. & **Hendriks, H.F.J.** (2015). Moderate alcohol consumption stimulates food intake and food reward of savoury foods. *Appetite*, 89, 77-83. doi:<http://dx.doi.org/10.1016/j.appet.2015.01.021>

Derous, D., **Kelder, T.,** Schothorst, E.M. van, **Erk, M. van,** Voigt, A., Klaus, S., Keijer, J. & **Radonjic, M.** (2015). Network-based integration of molecular and physiological data elucidates regulatory mechanisms underlying adaptation to high-fat diet. *Genes and Nutrition*, 10(4) doi:<http://dx.doi.org/10.1007/s12263-015-0470-6>

Garner, C.R., Park, K.B., French, N.S., Earnshaw, C., Schipani, A., Selby, A.M., Byrne, L., Siner, S., Crawley, F.P., **Vaes, W.H.J., Duijn, E. van, Ligdt, R. de**, Varendi, H., Lass, J., Gryniewicz, G., Maruszak, W. & Turner, M.A. (2015). Observational infant exploratory [¹⁴C]-paracetamol pharmacokinetic microdose/therapeutic dose study with accelerator mass spectrometry bioanalysis. *British Journal of Clinical Pharmacology*, 80(1), 157-167. doi:http://dx.doi.org/10.1111/bcp.12597

Turner, M.A., Mooij, M.G., **Vaes, W.H.J.**, Windhorst, A.D., Hendrikse, N.H., Knibbe, C.A.J., Körgvee, L.T., Maruszak, W., Gryniewicz, G., Garner, R.C., Tibboel, D., Park, B.K. & Wildt, S.N. de (2015). Pediatric Microdose and Microtracer Studies Using ¹⁴C in Europe. *Clinical Pharmacology & Therapeutics*, 98(3), 234-237.

Vlaming, M.L.H., Läppchen, T., Jansen, H.T., Kivits, S., Driel, A. van, **Steeg, E. van der**, Hoorn, J.W. van der, Sio, C.F., Steinbach, O.C. & Groot, J. de (2015). PET-CT imaging with [¹⁸F]-gefitinib to measure Abcb1a/1b (P-gp) and Abcg2 (Bcrp1) mediated drug-drug interactions at the murine blood-brain barrier. *Nuclear Medicine and Biology*, 42(11), 833-841. doi:http://dx.doi.org/10.1016/j.nucmedbio.2015.07.004

Ripken, D. & Hendriks, H. F J (2015). Porcine Ex Vivo intestinal segment model. In Verhoeckx, Kitty, Cotter, Paul, López-Expósito, Iván, Kleiveland, Charlotte, Lea, Tor, Mackie, Alan, Requena, Teresa, Swiatecka, Dominika & Wichers, Harry (Eds.), *The Impact of Food Bioactives on Health: In Vitro and Ex Vivo Models* (pp. 255-262). ... : Springer International Publishing. doi:http://dx.doi.org/10.1007/978-3-319-16104-4

Souverein, O.W., Vries, J.H.M. de, Freese, R., Watzl, B., Bub, A., Miller, E.R., III, Castenmiller, J.J.M., **Pasman, W.J.**, Hof, K. van het, Chopra, M., Karlsen, A., Dragsted, L.O., Winkels, R., Itsiopoulos, C., Brazionis, L., O'Dea, K., Loo-Bouwman, C.A. van, Naber, T.H.J., Voet, H. van der & Boshuizen, H.C. (2015). Prediction of fruit and vegetable intake from biomarkers using individual participant data of diet-controlled intervention studies. *British Journal of Nutrition*, 113(9), 1396-1409. doi:http://dx.doi.org/10.1017/S0007114515000355

Kardinaal, A.F.M., **Erk, M.J. van**, Dutman, A.E., **Stroeve, J.H.M.**, **Steeg, E. van de**, Bijlsma, S., Kooistra, T., **Ommen, B. van & Wopereis, S.** (2015). Quantifying phenotypic flexibility as the response to a high-fat challenge test in different states of metabolic health. *FASEB Journal*, 29(11), 4600-4613. doi:http://dx.doi.org/10.1096/fj.14-269852

Boer, P. de, Rahaoui, H., Leer, R.J., Montijn, R.C. & Vossen, J.M.B.M. van der (2015). Real-time PCR detection of *Campylobacter* spp.: A comparison to classic culturing and enrichment. *Food Microbiology*, 51, 96-100. doi:http://dx.doi.org/10.1016/j.fm.2015.05.006

Liang, W., **Verschuren, L.**, Mulder, P., Hoorn, J.W.A. van der, Verheij, J., Dam, A.D. van, Boon, M.R., Princen, H.M.G., Havekes, L.M., Kleemann, R. & Hoek, A.M. van den (2015). Salsalate attenuates diet induced non-alcoholic steatohepatitis in mice by decreasing lipogenic and inflammatory processes. *British Journal of Pharmacology*, 172(22), 5293-5305. doi:http://dx.doi.org/10.1111/bph.13315

Zaura, E., Brandt, B.W., Mattos, M.J.T. de, Buijs, M.J., **Caspers, M.P.M.**, Rashid, M.U., Weintraub, A., Nord, C.E., Savell, A., Hu, Y., Coates, A.R., Hubank, M., Spratt, D.A., Wilson, M., **Keijser, B.J.F. & Crielaard, W.** (2015). Same Exposure but two radically different responses to antibiotics: Resilience of the salivary microbiome versus long-term microbial shifts in feces. *mBio*, 6(6) doi:http://dx.doi.org/10.1128/mBio.01693-15

Greef, J. van der, Wietmarschen, H., Schroën, Y., Babouraj, N. & Trousselard, M. (2015). Systematic Approaches to Evaluation and Integration of Eastern and Western Medical Practices. *Medical Acupuncture*, 27(5), 384-395. doi:http://dx.doi.org/10.1089/acu.2015.1123

Aguirre, M. & Venema, K. (2015). The art of targeting gut microbiota for tackling human obesity. *Genes & Nutrition*, 10(20), 12 p.. doi:<http://dx.doi.org/10.1007/s12263-015-0472-4>

Schrieks, I.C., Heil, A.L., **Hendriks, H.F.**, Mukamal, K.J. & Beulens, J.W. (2015). The effect of alcohol consumption on insulin sensitivity and glycemic status: a systematic review and meta-analysis of intervention studies. *Diabetes care*, 38(4), 723-732. doi:<http://dx.doi.org/10.2337/dc14-1556>

Jacobs, D.M., Mihaleva, V.V., **Schalkwijk, D.B. van, Graaf, A.A. de**, Vervoort, J., Dorsten, F.A. van, Ras, R.T., Demonty, I., Trautwein, E.A. & Duynhoven, J. van (2015). The effect of plant sterols and different low doses of omega-3 fatty acids from fish oil on lipoprotein subclasses. *Molecular Nutrition and Food Research*, 59(9), 1745-1757. doi:<http://dx.doi.org/10.1002/mnfr.201500152>

Schrieks, I.C., Stafleu, A., **Kallen, V.L.**, Grootjen, M., Witkamp, R.F. & **Hendriks, H.F.J.** (2015). The effects of a meal with moderate alcohol consumption on mood and autonomic nervous system balance. *Psychoneuroendocrinology*, 61(9), 55-56. doi:<http://dx.doi.org/10.1016/j.psyneuen.2015.07.541>

Verhoeckx, Kitty, Cotter, Paul, López-Expósito, Iván, Kleiveland, Charlotte, Lea, Tor, Mackie, Alan, Requena, Teresa, Swiatecka, Dominika & Wichers, Harry (2015). *The Impact of Food Bioactives on Health: In Vitro and Ex Vivo Models*. Springer International Publishing.

Minekus, M. (2015). The TNO gastro-intestinal model (TIM). In **Verhoeckx, K.**, Cotter, P., López-Expósito, I., Kleiveland, C., Lea, T., Mackie, A., Requena, T., Swiatecka, D. & Wichers, H. (Eds.), *The Impact of Food Bioactives on Health: In Vitro and Ex Vivo Models* (pp. 37-46). ... : Springer International Publishing. doi:http://dx.doi.org/10.1007/978-3-319-16104-4_5

Aguirre, M. & Venema, K. (2015). The use of fecal samples for studying human obesity. *European Journal of Epidemiology*, 30(9), 1067-1069. doi:<http://dx.doi.org/10.1007/s10654-015-0079-5>

Westerhout, J., **Wortelboer, H. & Verhoeckx, K.** (2015). Ussing Chamber. In Verhoeckx, K., Cotter, P., López-Expósito, I., Kleiveland, C., Lea, T., Mackie, A., Requena, T., Swiatecka, D. & Wichers, H. (Eds.), *The Impact of Food Bioactives on Health: In Vitro and Ex Vivo Models* (pp. 263-273). ... : Springer International Publishing. doi: <http://dx.doi.org/10.1007/978-3-319-16104-4>

2014

Mihaleva, V.V., **Schalkwijk, D.B. van**, Graaf, A.A. de, Duynhoven, J. van, Dorsten, F.A. van, Vervoort, J., Smilde, A., Westerhuis, J.A. & Jacobs, D.M. (2014). A systematic approach to obtain validated partial least square models for predicting lipoprotein subclasses from serum nmr spectra. *Analytical Chemistry*, 86(1), 543-550. doi:<http://dx.doi.org/10.1021/ac402571z>

Verschuren, L., Wielinga, P.Y., **Kelder, T., Radonjic, M.**, Salic, K., Kleemann, R., **Ommen, B. van & Kooistra, T.** (2014). A systems biology approach to understand the pathophysiological mechanisms of cardiac pathological hypertrophy associated with rosiglitazone. *BMC Medical Genomics*, 7(1), 1-11. doi:<http://dx.doi.org/10.1186/1755-8794-7-35>

Zaura, E., Nicu, E.A., Krom, B.P. & **Keijser, B.J.** (2014). Acquiring and maintaining a normal oral microbiome: current perspective.. *Frontiers in cellular and infection microbiology*, 4, 85.

Vis, D.J., Westerhuis, J.A., Jacobs, D.M., Duynhoven, J.P.M. van, **Wopereis, S., Ommen, B. van**, Hendriks, M.M.W.B. & Smilde, A.K. (2014). Analyzing metabolomics-based challenge tests. *Metabolomics*, 11(1), 50-63. doi:<http://dx.doi.org/10.1007/s11306-014-0673-7>

Veen, J.W. van der, Soeteman-Hernández, L.G., Ezendam, J., **Stierum, R.**, Kuper, F.C. & Loveren, H. van (2014). Anchoring molecular mechanisms to the adverse outcome pathway for skin sensitization: Analysis of existing data. *Critical Reviews in Toxicology*, 44(7), 590-599. doi:<http://dx.doi.org/10.3109/10408444.2014.925425>

Gruben, B.S., Zhou, M., Wiebenga, A., Ballering, J., **Overkamp, K.M.**, **Punt, P.J.** & Vries, R.P. de (2014). Aspergillus niger RhaR, a regulator involved in L-rhamnose release and catabolism. *Applied Microbiology and Biotechnology*, 98(12), 5531-5540. doi:<http://dx.doi.org/10.1007/s00253-014-5607-9>

Duijn, E. van, Sandman, H., Grossouw, D., Mocking, J.A.J., Coulier, L. & **Vaes, W.H.J.** (2014). Automated combustion accelerator mass spectrometry for the analysis of biomedical samples in the low attomole range. *Analytical Chemistry*, 86(15), 7635-7641.

Vlaming, M.L.H., Teunissen, S.F., **Steeg, E. van de**, Esch, A. van, Wagenaar, E., Brunsveld, L., Greef, T.F.A. de, Rosing, H., Schellens, J.H.M., Beijnen, J.H. & Schinkel, A.H. (2014). Bcrp1;Mdr1a/b;Mrp2 Combination Knockout Mice: Altered Disposition of the Dietary Carcinogen PhIP (2-Amino-1-Methyl-6-Phenylimidazo[4,5-b]Pyridine) and Its Genotoxic Metabolites. *Molecular Pharmacology*, 85(3), 520-530. doi:<http://dx.doi.org/10.1124/mol.113.088823>

Hettne, K.M., Kleinjans, J., **Stierum, R.H.**, **Boorsma, A.** & Kors, J.A. (2014). Bioinformatics Methods for Interpreting Toxicogenomics Data: The Role of Text-Mining. In *Toxicogenomics-Based Cellular Models: Alternatives to Animal Testing for Safety Assessment* (pp. 291-304). doi:<http://dx.doi.org/10.1016/B978012397862200019-X>

Santoro, A., Pini, E., Scurti, M., Palmas, G., Berendsen, A., Brzozowska, A., Pietruszka, B., Szczecinska, A., Cano, N., Meunier, N., Groot, C.P.G.M. de, Feskens, E., Fairweather-Tait, S., Salvioli, S., Capri, M., Brigidi, P., Franceschi, C., Fabbri, C., Bertarelli, C., Izzi, M., Mazzocchi, M., Chardigny, J.M., Morio, B., Rossi, D., Notarfonso, M., O'Toole, P.W., Cashman, K., Carding, S.R., Nicoletti, C., Jacobs, D., Xipsiti, M., Fernandez, L., Wills, J., Irz, X., Kuosmanen, N., Gonos, E.S., Voutetakis, K., Salmon, M., Toussaint, O., Traill, B.W., Nocella, G., Caracciolo, B., Xu, W., Ikonen, M., Tuure, T., Brummer, R., Kadi, F., Breton, S., Triomphe, M., Magario, G., Villani, F., Pancrazio, A., Teufner, B., Stocker, J., Echevarría, F.J., Iglesias, J.R., Smrž, F., Krejcirova, L., Koysomitropoulou, E., Georgakidis, K., Yornuk, R., Ucar, C., **Ommen, B. van, Bouwman, J.**, Collino, S., Jankovics, C., Losó, A., Vos, W. de, Fuentes, S. & Commelin, E. (2014). Combating inflammaging through a Mediterranean whole diet approach: The NU-AGE project's conceptual framework and design. *Mechanisms of Ageing and Development*, 136-137, 3-13. doi:<http://dx.doi.org/10.1016/j.mad.2013.12.001>

Kaput, J., **Ommen, B. van, Kremer, S.H.A.**, Priami, C., Pontes Monteiro, J., Morine, M., Pepping, F., Diaz, Z., Fenech, M., He, Y., Albers, R., Drevon, C.A., Evelo, C.T., Hancock, R.E.W., IJsselmuiden, C., Lumey, L.H., Minihane, A.M., Muller, M., Murgia, C., Radonjic, M., Sobral, B. & West, K.P. Jr. (2014). Consensus statement understanding health and malnutrition through a systems approach: the ENOUGH program for early life. *Genes & Nutrition*, 9(1) doi:<http://dx.doi.org/10.1007/s12263-013-0378-y>

Kelder, T., Stroeve, J.H.M., Bijlsma, S., **Radonjic, M.** & **Roeselers, G.** (2014). Correlation network analysis reveals relationships between diet-induced changes in human gut microbiota and metabolic health. *Nutrition & Diabetes*, 4, 7p.. doi:<http://dx.doi.org/10.1038/nutd.2014.18>

Mpofu, A., Linnemann, A.R., Sybesma, W., **Kort, R.**, Nout, M.J.R. & Smid, E.J. (2014). Development of a locally sustainable functional food based on mutandabota, a traditional food in southern Africa. *Journal of Dairy Science*, 97(5), 2591-2599. doi:<http://dx.doi.org/10.3168/jds.2013-7593>

Schalkwijk, D.B. van, Pasma, W.J., Hendriks, H.F.J., Verheij, E.R., Rubingh, C.M., Bochove, K. van, **Vaes, W.H.J.,** Adiels, M., Freidig, A.P. & **Graaf, A.A. de** (2014). Dietary medium chain fatty acid supplementation leads to reduced VLDL lipolysis and uptake rates in comparison to linoleic acid supplementation. *PLoS ONE*, 9(7), 14p.. doi:http://dx.doi.org/10.1371/journal.pone.0100376

Lukovac, S., Belzer, C., Pellis, L., **Keijser, B.J.,** Vos, W.M. de, **Montijn, R.C. & Roeselers, G.** (2014). Differential modulation by *Akkermansia muciniphila* and faecalibacterium *prausnitzii* of host peripheral lipid metabolism and histone acetylation in mouse gut organoids. *mBio*, 5(4) doi:http://dx.doi.org/10.1128/mBio.01438-14

Belzer, C., Gerber, G.K., **Roeselers, G.,** Delaney, M., DuBois, A., Liu, Q., Belavusava, V., Yeliseyev, V., Houseman, A., Onderdonk, A., Cavanaugh, C. & Bry, L. (2014). Dynamics of the microbiota in response to host infection. *PLoS ONE*, 9(7) doi:http://dx.doi.org/10.1371/journal.pone.0095534

Biesbroek, G., **Tsivtsivadze, E.,** Sanders, E.A.M., **Montijn, R.,** Veenhoven, R.H., **Keijser, B.J.F. & Bogaert, D.** (2014). Early respiratory microbiota composition determines bacterial succession patterns and respiratory health in children. *American Journal of Respiratory and Critical Care Medicine*, 190(11), 1283-1292. doi:http://dx.doi.org/10.1164/rccm.201407-1240OC

Schroën, Y., **Wietmarschen, H.A. van,** Wang, M., Wijk, E.P. van, Hankemeier, T., Xu, G. & **Greef, J. van der** (2014). East is East and West is West, and never the twain shall meet?. *Science*, 346(6216 Suppl), S10-S12.

Joosten, M.M., **Schrieks, I.C. & Hendriks, H.F.J.** (2014). Effect of moderate alcohol consumption on fetuin-A levels in men and women: Post-hoc analyses of three open-label randomized crossover trials. *Diabetology and Metabolic Syndrome*, 6(1) doi:http://dx.doi.org/10.1186/1758-5996-6-24

Ramasamy, U.S., **Venema, K.,** Schols, H.A. & Gruppen, H. (2014). Effect of soluble and insoluble fibers within the in vitro fermentation of chicory root pulp by human gut bacteria. *Journal of Agricultural and Food Chemistry*, 62(28), 6794-6802. doi:http://dx.doi.org/10.1021/jf501254z

Reimer, R.A., Maathuis, A.J.H., **Venema, K.,** Lyon, M.R., Gahler, R.J. & Wood, S. (2014). Effect of the novel polysaccharide PolyGlycopleX® on short-chain fatty acid production in a computer-controlled in vitro model of the human large intestine. *Nutrients*, 6(3), 1115-1127. doi:http://dx.doi.org/10.3390/nu6031115

Ladirat, S.E., Schoterman, M.H.C., **Rahaoui, H.,** Mars, M., **Schuren, F.H.J.,** Gruppen, H., Nauta, A. & Schols, H.A. (2014). Exploring the effects of galacto-oligosaccharides on the gut microbiota of healthy adults receiving amoxicillin treatment. *British Journal of Nutrition*, 112(4), 536-546. doi:http://dx.doi.org/10.1017/S0007114514001135

Chen, Y., Sun, A., Wang, M., Zhu, Z. & Ouwkerk, P.B.F. (2014). Functions of the CCCH type zinc finger protein OsGZF1 in regulation of the seed storage protein GluB-1 from rice. *Plant Molecular Biology*, 84(6), 621-634. doi:http://dx.doi.org/10.1007/s11103-013-0158-5

Franken, A.C.W., Lechner, B.E., Werner, E.R., Haas, H., Lokman, B.C., Ram, A.F.J., Hondel, C.A.M.J.J. van den, Weert, S. de & **Punt, P.J.** (2014). Genome mining and functional genomics for siderophore production in *Aspergillus niger*. *Briefings in Functional Genomics*, 13(6), 482-492.

Reid, G., Nduti, N., Sybesma, W., **Kort, R.,** Kollmann, T.R., Adam, R., Boga, H., Brown, E.M., Einerhand, A., El-Nezami, H., Gloor, G.B., Kavere, I.I., Lindahl, J., Manges, A., Mamo, W., Martin R., McMillan, A., Obiero, J., Ochieng, P.A., Onyango, A., Rulisa, S., Salminen, E., Salminen, S., Sije, A., Swann, J.R., Treuren, W. van, Waweru, D. & Kemp, S.J. (2014). Harnessing microbiome and probiotic

research in sub-Saharan Africa: recommendations from an African workshop. *Microbiome*, 2(1), Epub 16 April.

Verhoeckx, K.C.M., Broekhoven, S. van, Hartog-Jager, C.F. den, Gaspari, M., Jong, G.A.H. de, Wichers, H.J., Hoffen, E. van, Houben, G.F. & Knulst, A.C. (2014). House dust mite (Der p 10) and crustacean allergic patients may react to food containing Yellow mealworm proteins. *Food and Chemical Toxicology*, 65, 364–373. doi:http://dx.doi.org/10.1016/j.fct.2013.12.049

Moerman, F. & **Kastelein, J.** (2014). Hygienic Design and Maintenance of Equipment. In *Food Safety Management: A Practical Guide for the Food Industry* (pp. 673-739). ... : Elsevier Inc.. doi:http://dx.doi.org/10.1016/B978-0-12-381504-0.00026-3

Zha, Y., Westerhuis, J.A., Muilwijk, B., **Overkamp, K.M.**, Nijmeijer, B.M., Coulier, L., Smilde, A.K. & **Punt, P.J.** (2014). Identifying inhibitory compounds in lignocellulosic biomass hydrolysates using an exometabolomics approach. *BMC Biotechnology*, 14 doi:http://dx.doi.org/10.1186/1472-6750-14-22

Ladirat, S.E., **Schuren, F.H.J.**, Schoterman, M.H.C., Nauta, A., Gruppen, H. & Schols, H.A. (2014). Impact of galacto-oligosaccharides on the gut microbiota composition and metabolic activity upon antibiotic treatment during in vitro fermentation. *FEMS Microbiology Ecology*, 87(1), 41-51. doi:http://dx.doi.org /10.1111/1574-6941.12187

Oliveira, J.E. de, Hoeven-Hangoor, E. van der, Linde, I.B. van de, **Montijn, R.C.** & **Vossen, J.M.B.M. van der** (2014). In ovo inoculation of chicken embryos with probiotic bacteria and its effect on posthatch Salmonella susceptibility. *Poultry Science*, 93(4), 818-829. doi:http://dx.doi.org/10.3382/ps.2013-03409

Aguirre, M., Jonkers, D.M.A.E., Troost, F.J., **Roeselers, G.** & **Venema, K.** (2014). In vitro characterization of the impact of different substrates on metabolite production, energy extraction and composition of gut microbiota from lean and obese subjects. *PLoS ONE*, 9(11) doi:http://dx.doi.org/10.1371/journal.pone.0113864

Leijdekkers, A.G.M., **Aguirre, M.**, **Venema, K.**, Bosch, G., Gruppen, H. & Schols, H.A. (2014). In vitro fermentability of sugar beet pulp derived oligosaccharides using human and pig fecal inocula. *Journal of Agricultural and Food Chemistry*, 62(5), 1079-1087. doi:http://dx.doi.org/10.1021/jf4049676

Ladirat, S.E., Schols, H.A., Nauta, A., Schoterman, M.H.C., **Schuren, F.H.J.** & Gruppen, H. (2014). In vitro fermentation of galacto-oligosaccharides and its specific size-fractions using non-treated and amoxicillin-treated human inoculum. *Bioactive Carbohydrates and Dietary Fibre*, 3(2), 59-70. doi:http://dx.doi.org /10.1016/j.bcdf.2014.02.002

Gozalpour, E., Greupink, R., **Wortelboer, H.M.**, Bilos, A., Schreurs, M., Russel, F.G.M. & Koenderink, J.B. (2014). Interaction of digitalis-like compounds with liver uptake transporters NTCP, OATP1B1, and OATP1B3. *Molecular Pharmaceutics*, 11(6), 1844-1855. doi:http://dx.doi.org/10.1021/mp400699p

Borgdorff, H., **Tsivtsivadze, E.**, Verhelst, R., Marzorati, M., Jurriaans, S., Ndayisaba, G.F., **Schuren, F.H.** & Wiggert, J.H.H.M. van de (2014). Lactobacillus-dominated cervicovaginal microbiota associated with reduced HIV/STI prevalence and genital HIV viral load in african women. *ISME Journal*, 8(9), 1781-1793. doi:http://dx.doi.org/10.1038/ismej.2014.26

Schalkwijk, D.B. van, Graaf, A.A. de, **Tsivtsivadze, E.**, Parnell, L.D., Werff-van der Vat, B.J.C. van der, **Ommen, B. van**, **Greef, J. van der** & Ordovás, J.M. (2014). Lipoprotein metabolism indicators improve cardiovascular risk prediction. *PLoS ONE*, 9(3) doi:http://dx.doi.org/10.1371/journal.pone.0092840

Mooij, M.G. & **Vaes, W.H.J.** (2014). Microdosing: een veelbelovende techniek voor geneesmiddelenonderzoek bij kinderen. *Kinderarts en Wetenschap*, (12), 15-20.

Kwon, M.J., Arentshorst, M., Fiedler, M., Groen, F.L.M. de, **Punt, P.J.**, Meyer, V. & Ram, A.F.J (2014). Molecular genetic analysis of vesicular transport in *Aspergillus niger* reveals partial conservation of the molecular mechanism of exocytosis in fungi. *Microbiology*, 160, 316–329.
doi:<http://dx.doi.org/10.1099/mic.0.074252-0>

Vis, D.J., Westerhuis, J.A., Hoefsloot, H.C.J., Roelfsema, F., **Greef, J. van der**, Hendriks, M.M.W.B. & Smilde, A.K. (2014). Network identification of hormonal regulation. *PLoS ONE*, 9(5)
doi:<http://dx.doi.org/10.1371/journal.pone.0096284>

Kelder, T., Verschuren, L., Ommen, B. van, Gool, A.J. van & Radonjic, M. (2014). Network signatures link hepatic effects of anti-diabetic interventions with systemic disease parameters. *BMC Systems Biology*, 8(1) doi:<http://dx.doi.org/10.1186/s12918-014-0108-0>

Drzyzga, O., **Punt, P.J., Geutjes, E.**, Verdoes, D. & Fethke, E. (2014). Next generation chemical building blocks and bioplastics EU projects SYNPOL & BioConSepT – Two approaches, one goal!. *Bioplastics Magazine*, 9(05), 28-30.

Liping Qu,, Wenjun Zou,, Zhenxiang Zhou,, Tingmo Zhang, **Greef, J. Van der** & Wang, M. (2014). Non-European traditional herbal medicines in Europe: A community herbal monograph perspective. *Journal of Ethnopharmacology*, 156, 107–114. doi:<http://dx.doi.org/10.1016/j.jep.2014.08.021>

Saccenti, E., Tenori, L., Verbruggen, P., Timmerman, M.E., **Bouwman, J., Greef, J. van der**, Luchinat, C. & Smilde, A.K. (2014). Of monkeys and men: A metabolomic analysis of static and dynamic urinary metabolic phenotypes in two species. *PLoS ONE*, 9(9)
doi:<http://dx.doi.org/10.1371/journal.pone.0106077>

Imangaliyev, S., Keijser, B., Crielaard, W. & **Tsivtsivadze, E.** (2014). Personalized microbial network inference via co-regularized spectral clustering. In Zheng, H., **Hu, X.T.**, Wang, Y., Hao, J.K., Gilbert, D., Berrar, D., Cho, K.H. & Dubitzky, W. (Eds.), *Proceedings - 2014 IEEE International Conference on Bioinformatics and Biomedicine, IEEE BIBM 2014* (pp. 484-488). doi:<http://dx.doi.org/10.1109/BIBM.2014.6999205>

Kort, R. (2014). Personalized therapy with probiotics from the host by TripleA. *Trends in Biotechnology*, 32(6), 291-293. doi:<http://dx.doi.org/10.1016/j.tibtech.2014.04.002>

Vries, E.F.J. de & Dierckx, R.A.J.O. (2014). PET and SPECT imaging of neurotoxicity. In Dierckx, R.A.J.O., Otte, A., Vries, E.F.J. de, Waarde, A. van & Leenders, K.L (Eds.), *Pet and Spect in Neurology* (pp. 775-795). ... : Springer Berlin Heidelberg. doi:http://dx.doi.org/10.1007/978-3-642-54307-4_36

Paula Faria, D. de, **Vlaming, M.L.H.**, Copray, S.C.V.M., Tielen, F., Anthonijsz, H.J.A., Sijbesma, J.W.A., Buchpiguel, C.A., Dierckx, R.A.J.O., Hoorn, J.W.A. van der & Vries, E.F.J. de (2014). PET imaging of disease progression and treatment effects in the experimental autoimmune encephalomyelitis rat model. *Journal of Nuclear Medicine*, 55(8), 1330-1335.
doi:<http://dx.doi.org/10.2967/jnumed.114.137216>

Ommen, B. van, Greef, J. van der, Ordovas, J.M. & Daniel, H. (2014). Phenotypic flexibility as key factor in the human nutrition and health relationship. *Genes and Nutrition*, 9(5)
doi:<http://dx.doi.org/10.1007/s12263-014-0423-5>

Bussolo de Souza, C., Roeselers, G., Troost, F., Jonkers, D., Koenen, M.E. & Venema, K. (2014). Prebiotic effects of cassava bagasse in TNO's in vitro model of the colon in lean versus obese microbiota. *Journal of Functional Foods*, 11(C), 210-220. doi:http://dx.doi.org/10.1016/j.jff.2014.09.019

Bosgra, S., **Steeg, E. van de, Vlaming, M.L., Verhoeckx, K.C.**, Huisman, M.T., Verwei, M. & **Wortelboer, H.M.** (2014). Predicting carrier-mediated hepatic disposition of rosuvastatin in man by scaling from individual transfected cell-lines in vitro using absolute transporter protein quantification and PBPK modeling.. *European Journal of Pharmaceutical Sciences*, doi:http://dx.doi.org/10.1016/j.ejps.2014.09.007

Pas, N.C.A. van de, Rullmann, J.A.C., Woutersen, R.A., **Ommen, B. van**, Rietjens, I.M.C.M. & Graaf, A.A. de (2014). Predicting individual responses to pravastatin using a physiologically based kinetic model for plasma cholesterol concentrations. *Journal of Pharmacokinetics and Pharmacodynamics*, 41(4), 351-362. doi:http://dx.doi.org/10.1007/s10928-014-9369-x

Reitsma, M., Westerhout, J., Wichers, H.J., **Wortelboer, H.M. & Verhoeckx, K.C.M.** (2014). Protein transport across the small intestine in food allergy. *Molecular Nutrition and Food Research*, 58(1), 194-205. doi:http://dx.doi.org/10.1002/mnfr.201300204

Broekman, H., **Verhoeckx, K.**, Gaspari, M., Hartog Jager, S. den, Houben, G. & Knulst, A. (2014). Schaaldierallergie en het risico op voedselallergie bij consumptie van nieuwe eiwitten [Allergy to shellfish and the risk of food allergy in consumption of new proteins]. *Nederlands tijdschrift voor Dermatologie en Venereologie*, 24(5), 247-249.

Biesbroek, G., Wang, X., **Keijser, B.J.F.**, Eijkemans, R.M.J., Trzciński, K., Rots, N.Y., Veenhoven, R.H., Sanders, E.A.M. & Bogaert, D. (2014). Seven-valent pneumococcal conjugate vaccine and nasopharyngeal microbiota in healthy children. *Emerging Infectious Diseases*, 20(2), 201-210. doi:http://dx.doi.org/10.3201/eid2002.131220

Bereszczak, J.Z., Havlik, M., Weiss, V.U., Marchetti-Deschmann, M., **Duijn, E. van**, Watts, N.R., Wingfield, P.T., Allmaier, G., Steven, A.C. & Heck, A.J.R. (2014). Sizing up large protein complexes by electrospray ionisation-based electrophoretic mobility and native mass spectrometry: Morphology selective binding of Fabs to hepatitis B virus capsids. *Analytical and Bioanalytical Chemistry*, 406(5), 1437-1446. doi:http://dx.doi.org/10.1007/s00216-013-7548-z

Ripken, D., Wielen, N. van der, **Wortelboer, H.M.**, Meijerink, J., Witkamp, R.F. & Hendriks, H.F.J. (2014). Steviol Glycoside Rebaudioside A Induces Glucagon-like Peptide-1 and Peptide YY Release in a Porcine ex Vivo Intestinal Model. *Journal of Agricultural and Food Chemistry*, 62(33), 8365-8370. doi:http://dx.doi.org/10.1021/jf501105w

Schrieks, I.C., Stafleu, A., **Kallen, V.L.**, Grootjen, M., Witkamp, R.F. & Hendriks, H.F.J. (2014). The Biphasic Effects of Moderate Alcohol Consumption with a Meal on Ambiance-Induced Mood and Autonomic Nervous System Balance : A Randomized Crossover Trial. *PLOS One*, 9(1) doi:http://dx.doi.org/10.1371/journal.pone.0086199

Ramasamy, U.S., **Venema, K.**, Gruppen, H. & Schols, H.A. (2014). The fate of chicory root pulp polysaccharides during fermentation in the TNO in vitro model of the colon (TIM-2). *Bioactive Carbohydrates and Dietary Fibre*, 4(1), 48-57. doi:http://dx.doi.org/10.1016/j.bcdf.2014.06.007

Aschbacher, K., Rodriguez-Fernandez, M., **Wietmarschen, H. van**, Tomiyama, A., Jain, S., Epel, E., Doyle III, F.J. & **Greef, J. van der** (2014). The hypothalamic- pituitary -adrenal -leptin axis and metabolic health: A systems approach to resilience, robustness and control. *Interface Focus*, 4(5)

doi:<http://dx.doi.org/10.1098/rsfs.2014.0020>

Mariman, R., **Kremer, S.H.A.**, Koning, F. & Nagelkerken, L. (2014). The probiotic mixture VSL#3 mediates both pro- and anti-inflammatory responses in bone marrow-derived dendritic cells from C57BL/6 and BALB/c mice. *British Journal of Nutrition*, 112(7), 1088-1097.
doi:<http://dx.doi.org/10.1017/S000711451400169X>

Calçada, D., Vianello, D., Giampieri, E., Sala, C., Castellani, G., **Graaf, A.A. de, Kremer, S.H.A., Ommen, B. van**, Feskens, E., Santoro, A., Franceschi, C. & Bouwman, J. (2014). The role of low-grade inflammation and metabolic flexibility in aging and nutritional modulation thereof: A systems biology approach. *Mechanisms of Ageing and Development*, 136-137, 138-147.
doi:<http://dx.doi.org/10.1016/j.mad.2014.01.004>

Aguirre, M., Ramiro-Garcia, J., Koenen, M.E. & **Venema, K.** (2014). To pool or not to pool? Impact of the use of individual and pooled fecal samples for in vitro fermentation studies. *Journal of Microbiological Methods*, 107, 1-7. doi:<http://dx.doi.org/10.1016/j.mimet.2014.08.022>

Vogt, L.M., Meyer, D., Pullens, G., Faas, M.M., **Venema, K.**, Ramasamy, U., Schols, H.A. & Vos, P. de (2014). Toll-like receptor 2 activation by β 2 \rightarrow 1-fructans protects barrier function of t84 human intestinal epithelial cells in a chain length-dependent manner. *Journal of Nutrition*, 144(7), 1002-1008.
doi:<http://dx.doi.org/10.3945/jn.114.191643>

Wijk, R. van, Wijk, E.P.A. van, **Wietmarschen, H.A. van & Greef, J. van der** (2014). Towards whole-body ultra-weak photon counting and imaging with a focus on human beings: A review. *Journal of Photochemistry and Photobiology B: Biology*, 139, 39-46.
doi:<http://dx.doi.org/10.1016/j.jphotobiol.2013.11.014>

Ives, J.A., Wijk, E.P.A. van, Bat, N., Crawford, C., Walter, A., Jonas, W.B., Wijk, R. van & **Greef, J. van der** (2014). Ultraweak photon emission as a non-invasive health assessment: A systematic review. *PLoS ONE*, 9(2) doi:<http://dx.doi.org/10.1371/journal.pone.0087401>

2013

Li, A., Caspers, M. & Punt, P.J. (2013). A systems biology approach for the identification of target genes for the improvement of itaconic acid production in *Aspergillus* species. *BMC Research Notes*, 6, 5 p.. doi:<http://www.biomedcentral.com/1756-0500/6/505>

Zhao, Y., Caspers, M.P.M., Metselaar, K.I., Boer, P. de, Roeselers, G., Moezelaar, R., Groot, M.N., Montijn, R.C., Abee, T. & Korta, R. (2013). Abiotic and Microbiotic Factors Controlling Biofilm Formation by Thermophilic Sporeformers. *Applied and Environmental Microbiology*, 79(18), 5652-5660. doi:<http://dx.doi.org/10.1128/AEM.00949-13>

Wopereis, S., Wolvers, D., **Erk, M.J. van**, Gribnau, M., **Kremer, S.H.A.**, van Dorsten, F.A., Boelsma, E., Garczarek, U., Cnubben, N., Frenken, L., Logt P, van der, Hendriks, H.F., Albers, R., Duynhoven, J. van, **Ommen, B. van & Jacobs, D.M.** (2013). Assessment of inflammatory resilience in healthy subjects using dietary lipid and glucose challenges. *BMC Medical Genomics*, 2013(6), 1-16.

Bajpai, R.P., Wijk, E.P.A. van, Wijk, R. van & **Greef, J. van der** (2013). Attributes characterizing spontaneous ultra-weak photon signals of human subjects. *Journal of Photochemistry and Photobiology B: Biology*, 129, 6-16. doi:<http://dx.doi.org/10.1016/j.jphotobiol.2013.09.002>

Punt, P.J., Geutjes, E., Fethke, E. & Verdoes, D. (2013). Catalyzing Innovation : From Plants to Pilot Plant: BioConSepT—A Flagship Project in Industrial Biotechnology on a European Scale. *Industrial Biotechnology*, , 306-310. doi:<http://dx.doi.org/10.1089/ind.2013.1602>

Schoen, E.D., Rubingh, C.M., **Wopereis, S. & Erk, M. van** (2013). Controlling false discovery rates in factorial experiments with between-subjects and within-subjects tests. *BMC Research Notes*, 6

Liang, W., Tonini, G., Mulder, P., **Kelder, T., Erk, M. van**, Hoek, A.M. van den, Mariman, R., Wielinga, P.Y., Baccini, M., Kooistra, T., Biggeri, A. & Kleemann, R. (2013). Coordinated and Interactive Expression of Genes of Lipid Metabolism and Inflammation in Adipose Tissue and Liver during Metabolic Overload. *PLoS ONE*, 8(9) doi:http://dx.doi.org/10.1371/journal.pone.0075290

Kutmon, M., **Kelder, T.**, Mandaviya, P., Evelo, C.T.A. & Coort, S.L. (2013). Cytargetlinker: A Cytoscape app to integrate regulatory interactions in network analysis. *PLoS ONE*, 8(12) doi:http://dx.doi.org/ 10.1371/journal.pone.0082160

Coomans, C.P., Berg, S.A.A. van den, Houben, T., Klinken, J.B. van, Berg, R. van den, Pronk, A.C.M., Havekes, L.M., Romijn, J.A., Dijk, K.W. van, Biermasz, N.R. & Meijer, J.H. (2013). Detrimental effects of constant light exposure and high-fat diet on circadian energy metabolism and insulin sensitivity. *FASEB Journal*, 27(4), 1721-1732. doi:http://dx.doi.org/10.1096/fj.12-210898

Radonjic, M., Wielinga, P.Y., **Wopereis, S., Kelder, T.**, Goelela, V.S., **Verschuren, L.**, Toet, K., Duyvenvoorde, W. van, Werff van der Vat, B. van der, Stroeve, J.H.M., Cnubben, N., Kooistra, T., **Ommen, B. van** & Kleemann, R. (2013). Differential Effects of Drug Interventions and Dietary Lifestyle in Developing Type 2 Diabetes and Complications: A Systems Biology Analysis in LDLr^{-/-} Mice. *PLoS ONE*, 8(2) doi:http://dx.doi.org/10.1371/journal.pone.0056122

Hurst, R., Collings, R., Harvey, L.J., King, M., Hooper, L., **Bouwman, J.**, Gurinovic, M. & Fairweather-Tait, S.J. (2013). EURRECA—Estimating Selenium Requirements for Deriving Dietary Reference Values. *Critical Reviews in Food Science and Nutrition*, 53(10), 1077-1096. doi:http://dx.doi.org/10.1080/10408398.2012.742861

Dhonukshe-Rutten, R.A.M., **Bouwman, J.**, Brown, K.A., Cavelaars, A.E.J.M., Collings, R., Grammatikaki, E., Groot, L.C.P.G.M. de, Gurinovic, M., Harvey, L.J., Hermoso, M., Hurst, R., **Kremer, S.H.A.**, Ngo, J., Novakovic, R., Raats, M.M., Rollin, F., Serra-Majem, L., Souverein, O.W., Timotijevic, L. & Veer, P. van 't (2013). EURRECA—Evidence-Based Methodology for Deriving Micronutrient Recommendations. *Critical Reviews in Food Science and Nutrition*, 53(10), 999–1040. doi:http://dx.doi.org/10.1080/10408398.2012.749209

Claessens, M., Contor, L., Dhonukshe-Rutten, R., Groot, L.C.P.Q.M. de, Fairweather-Tait, S.J., Gurinovic, M., Koletzko, B., **Ommen, B. van**, Raats, M.M. & Veer, P. van 't (2013). EURRECA—Principles and Future for Deriving Micronutrient Recommendations. *Critical Reviews in Food Science and Nutrition*, 53(10), 1135–1146. doi:http://dx.doi.org/10.1080/10408398.2012.742864

Wietmarschen, H.A. van, Greef, J. van der, Schroën, Y. & Wang, M. (2013). Evaluation of symptom, clinical chemistry and metabolomics profiles during Rehmannia six formula (R6) treatment: An integrated and personalized data analysis approach. *Journal of Ethnopharmacology*, 150(3) doi:http://dx.doi.org/10.1016/j.jep.2013.09.041

Roeselers, G., Ponomarenko, M., Lukovac, S. & **Wortelboer, H.M.** (2013). Ex vivo systems to study host-microbiota interactions in the gastrointestinal tract. *Best Practice and Research: Clinical Gastroenterology*, 27(1), 101-113. doi:http://dx.doi.org/10.1016/j.bpg.2013.03.018

Draisma, H.H., Reijmers, T.H., Meulman, J.J., **Greef, J. van der**, Hankemeier, T. & Boomsma, D.I. (2013). Hierarchical clustering analysis of blood plasma lipidomics profiles from mono- and dizygotic twin families. *European Journal of Human Genetics*, 21(1), 95-101. doi:http://dx.doi.org/10.1038/ejhg.2012.110

Ramautar, R., Berger, R., **Greef, J. van der** & Hankemeier, T. (2013). Human metabolomics: Strategies to understand biology. *Current Opinion in Chemical Biology*, 17(5), 841-846. doi:<http://dx.doi.org/10.1016/j.cbpa.2013.06.015>

Bandounas, L., Pinkse, M., Winde, J.H. de & Ruijsenaars, H.J. (2013). Identification of a quinone dehydrogenase from a *Bacillus* sp. involved in the decolourization of the lignin-model dye, Azure B. *New Biotechnology*, 30(2), 196-204. doi:<http://dx.doi.org/10.1016/j.nbt.2012.04.003>

Wijk, E. van, Kobayashi, M., Wijk, R. van & **Greef, J. van der** (2013). Imaging of ultra-weak photon emission in a rheumatoid arthritis mouse model. *PLoS ONE*, 8(12) doi:<http://dx.doi.org/10.1371/journal.pone.0084579>

Zune, Q., Delepierre, A., Toye, D., **Punt, P.J.** & Delvigne, F. (2013). Implementation of a metal structured packing in a fungal biofilm reactor for the production of a recombinant protein by *Aspergillus Oryzae*. *Comm. Appl. Biol. Sci*, 20(10), 6 p..

Li, A. & Punt, P.J. (2013). Industrial Production of Organic Acids by Fungi: State of the Art and Opportunities. In Tuohy, M.G. (Ed.), *Applications of Microbial Engineering* (pp. 52-74). ... : CRC Press. doi:<http://dx.doi.org/10.1201/b15250-3>

Li, A., Sachdeva, S., Urbanus, J. & **Punt, P.J.** (2013). In-stream itaconic acid recovery from *aspergillus terreus* fedbatch fermentation. *Industrial Biotechnology*, 9(3), 139-145.

Greef, J. van der, Wietmarschen, H. van, Ommen, B. van & Verheij, E.R. (2013). Looking back into the future: 30 years of metabolomics at TNO. *Mass Spectrometry Reviews*, 32(5), 399-415. doi:<http://dx.doi.org/10.1002/mas.21370>

Gierman, L.M., **Wopereis, S.**, El, B. van, Verheij, E.R., Werff-Van Der Vat, B.J.C., Bastiaansen-Jenniskens, Y.M., Osch, G.J.V.M. van, Kloppenburg, M., Stojanovic-Susulic, V., Huizinga, T.W.J. & Zuurmond, A.M. (2013). Metabolic profiling reveals differences in concentrations of oxylipins and fatty acids secreted by the infrapatellar fat pad of donors with end-stage osteoarthritis and normal donors. *Arthritis and Rheumatism*, 65(10), 2606-2614. doi:<http://dx.doi.org/10.1002/art.38081>

Tsivtsivadze, E., Heskes, T. & Paauw, A. (2013). Multi-view multi-class classification for identification of pathogenic bacterial strains. In *11th International Workshop on Multiple Classifier Systems, MCS 2013, 15 May 2013 through 17 May 2013, Nanjing*(Vol. 7872 LNCS, (pp. 61-72). doi:http://dx.doi.org/10.1007/978-3-642-38067-9_6

Tsivtsivadze, E., Borgdorff, H., Wijgert, J. van de, **Schuren, F.**, Verhelst, R. & Heskes, T. (2013). Neighborhood co-regularized multi-view spectral clustering of microbiome data. In *2nd IAPR International Workshop on Partially Supervised Learning, PSL 2013, 13 May 2013 through 14 May 2013, Nanjing*(Vol. 8183 LNAI, (pp. 80-90). doi:http://dx.doi.org/10.1007/978-3-642-40705-5_8

Bilsen, J.H.M. van, Kremer, S.H.A. & Fabriek, B.O. (2013). *Newsletter IEG*.

Blaauboer, M.E., Emson, C.L., **Verschuren, L., Erk, M. van**, Turner, S.M., Everts, V., Hanemaaijer, R. & Stoop, R. (2013). Novel combination of collagen dynamics analysis and transcriptional profiling reveals fibrosis-relevant genes and pathways. *Matrix Biology*, 32(7-8) doi:<http://dx.doi.org/10.1016/j.matbio.2013.04.005>

Pasman, W.J., Erk, M.J. van, Klöpping, W.A.A., Pellis, L., **Wopereis, S.**, Bijlsma, S., Hendriks, H.F.J. & Kardinaal, A.F.M. (2013). Nutrigenomics approach elucidates health-promoting effects of high vegetable intake in lean and obese men. *Genes and nutrition*, doi:[doi:10.1007/s12263-013-0343-9](https://doi.org/10.1007/s12263-013-0343-9)

- Imangaliyev, S., Keijser, B.J.F.,** Crielaard, W. & **Tsivtsivadze, E.** (2013). Online Semi-Supervised Learning: Algorithm and Application in Metagenomics. *IEEE International Conference on Bioinformatics and Biomedicine, IEEE BIBM 2013, 18 December 2013 through 21 December 2013, Shanghai*, , 521-525. doi:<http://dx.doi.org/10.1109/BIBM.2013.6732550>
- Zha, Y.,** Hossain, A.H., Tobola, F., Sedee, N., Havekes, M. & **Punt, P.J.** (2013). Pichia anomala 29X: A resistant strain for lignocellulosic biomass hydrolysate fermentation. *FEMS Yeast Research*, 13(7), 609-617. doi:<http://dx.doi.org/10.1111/1567-1364.12062>
- Boer, J.W. den, Euser, S.M., Nagelkerke, N.J., **Schuren, F.,** Jarraud, S. & Etienne, J. (2013). Prediction of the origin of French Legionella pneumophila strains using a mixed-genome microarray. *BMC Genomics*, 14(1) doi:<http://dx.doi.org/10.1186/1471-2164-14-435>
- Krishnan, S.,** Verheij, E.E.R., Bas, R.C., Hendriks, M.W.B., Hankemeier, T., Thissen, U. & Coulier, L. (2013). Pre-processing liquid chromatography/high-resolution mass spectrometry data: Extracting pure mass spectra by deconvolution from the invariance of isotopic distribution. *Rapid Communications in Mass Spectrometry*, 27(9), 917-923. doi:<http://dx.doi.org/10.1002/rcm.6517>
- Notermans, S. & **Beumer, H.** (2013). Safety and traceability of animal feed. In *Food Authenticity and Traceability* (pp. 518-553). ... : Elsevier Ltd. doi:<http://dx.doi.org/10.1533/9781855737181.3.518>
- Schinkel, J., Richie, P., Goede, H., Fransman, W., Tongeren, M. van, Cherrie, J.W., Tielemans, E., Kromhout, H. & Warren, N. (2013). The Advanced REACH Tool (ART) : Incorporation of an Exposure Measurement Database. *The Annals of Occupational Hygiene*, , 1-11. doi:<http://dx.doi.org/10.1093/annhyg/mes103>
- Vossenbergh, J. van de, Woebken, D., Maalcke, W.J., Wessels, H.J.C.T., Dutilh, B.E., Kartal, B., Janssen-Megens, E.M., **Roeslers, G.,** Yan, J., Speth, D., Gloerich, J., Geerts, W., Biezen, E. van der, Pluk, W., Francoijs, K.-J., Russ, L., Lam, P., Malfatti, S.A., Tringe, S.G., Haaijer, S.C.M., Camp, H.J.M. op den, Stunnenberg, H.G., Amann, R., Kuypers, M.M.M. & Jetten, M.S.M. (2013). The metagenome of the marine anammox bacterium 'Candidatus Scalindua profunda' illustrates the versatility of this globally important nitrogen cycle bacterium. *Environmental Microbiology*, 15(5), 1275-1289. doi:<http://dx.doi.org/10.1111/j.1462-2920.2012.02774.x>
- Ommen, B. van** (2013). The nutrition researcher cohort: Toward a new generation of nutrition research and health optimization. *Genes and Nutrition*, 8(4), 343-344. doi:<http://dx.doi.org/10.1007/s12263-013-0348-4>
- Castiglione, F., Tieri, P., **Graaf, A.A. de,** Franceschi, C., Liò, P., **Ommen, B. van,** Mazzà, C., Tichel, A., Bernaschi, M., Samson, C., Colombo, T., Castellani, G.C., Capri, M., Garagnani, P., Salvioli, S., Nguyen, V.A., **Bobeldijk-Pastorova, I., Krishnan, S.,** Cappozzo, A., Sacchetti, M., Morettini, M. & Ernst, M. (2013). The onset of type 2 diabetes: Proposal for a multi-scale model. *Journal of Medical Internet Research*, 15(10) doi:<http://dx.doi.org/10.2196/resprot.2854>
- Franken, A.C.W., Werner, E.R., Haas, H., Lokman, B.C., Hondel, C.A.M.J.J. van den, Ram, A.F.J., Weert, S. de & **Punt, P.J.** (2013). The role of coproporphyrinogen III oxidase and ferrochelatase genes in heme biosynthesis and regulation in *Aspergillus niger*. *Applied Microbiology and Biotechnology*, 97(22), 9773-9785. doi:<http://dx.doi.org/10.1007/s00253-013-5274-2>
- Roodenburg, B., Haan, S.W.H. de, Ferreira, J.A., Coronel, P., Wouters, P.C. & **Hatt, V.** (2013). Toward 6 log₁₀ pulsed electric field inactivation with conductive plastic packaging material. *Journal of Food Process Engineering*, 36(1), 77-86. doi:<http://dx.doi.org/10.1111/j.1745-4530.2011.00655.x>
- Pronk, T.E., Someren, E.P. van, **Stierum, R.H.,** Ezendam, J. & Pennings, J.L.A. (2013). Unraveling toxicological mechanisms and predicting toxicity classes with gene dysregulation networks. *Journal of Applied Technology*, 33(12), 1407-1415. doi:<http://dx.doi.org/10.1002/jat.2800>