

# Publications – Herman van Wietmarschen

## Publications in international journals (33)

1. van Wietmarschen HA, van Ommen B, de Graaf AA. Prognostic model for onset and early development of type 2 diabetes. Submitted to PloS One.
2. de Hoogh I, van Wietmarschen H, de Graaf A. Systems dynamics modelling for type 2 diabetes: towards multidisciplinary intervention strategies. Submitted to Psychology, Health & Medicine.
3. Fu J, van Wietmarschen H, Wang M, van Wijk E, Cuppen B, Schroën Y, van der Kooij A, Marijnissen AK, Hankemeier T, Meulman JJ, Lafeber F, van der Greef J. Systems Approach for Predicting the Response to Biological Agents in Patients with Rheumatoid Arthritis in Clinical Practice. Submitted to Eur J Int Med.
4. Klein-Laansma C, Jong M, von Hagens C, Jansen JP, van Wietmarschen H, Jong M. Added value of an individualized homeopathic treatment compared to usual care only, for women with premenstrual disorders (PMD): an international feasibility study. Submitted to Comp Ther Med.
5. Baars EW, Belt-van Zoen E, Breitzkreuz T, Martin D, Matthes H, von Schoen-Angerer T, Soldner G, Vagedes J, van Wietmarschen H, Patijn O, Willcox M, von Flotow O, Teut M, von Ammon K, Thangavelu M, Wolf U, Hummelsberger J, Nicolai T, Hartemann P, Szóke H, McIntyre M, van der Werf-Kok ET, Hub R. The contribution of Complementary & Alternative Medicine to reduce antibiotic use: a narrative review of health concepts, prevention and treatment strategies. Submitted to BMC Comp Alt Med.
6. van Wietmarschen H, Jongerden J, Ruivenkamp G. The social construction of genetic identities: a research note. Tailoring Biotechnologies 2006; 2(2): 109-20.
7. van der Greef J, van Wietmarschen H, Schroën J, Wang M, Hankemeier T, Xu G. Systems biology-based diagnostic principles as the pillars of the bridge between Chinese and Western medicine. Planta Medica 2010; 76(17): 2036-47.
8. van Wietmarschen H, Yuan K, Lu C, Gao P, Wang J, Xiao C, Yan X, Wang M, Schroën J, Lu A, Xu G, van der Greef J. Systems biology guided by Chinese medicine reveals new markers for sub-typing rheumatoid arthritis patients. Journal of Clinical Rheumatology 2009; 15(7): 330-7.
9. van Wietmarschen HA, Reijmers TH, van der Kooij AJ, Schroën J, Wei H, Hankemeier T, Meulman JJ, van der Greef J. 2011. Sub-typing of rheumatic diseases based on a systems diagnosis questionnaire. PloS One 2011; 6 (9): e24846.
10. van Wietmarschen H, van der Greef J. Metabolite space of rheumatoid arthritis. British Journal of Medicine and Medical Research 2012; 2(3): 469-83.
11. van Wietmarschen HA, Dai W, van der Kooij AJ, Reijmers TH, Schroën Y, Wang M, Xu Z, Wang X, Kong H, Xu G, Hankemeier T, Meulman JJ, van der Greef J. Characterization of rheumatoid arthritis subtypes using symptom profiles, clinical chemistry and metabolomics measurements. PloS One 2012; 7(9): e44331.

12. van der Greef J, van Wietmarschen H, van Ommen B, Verheij E. Looking back into the future: 30 years of metabolomics at TNO. *Mass Spectrom Rev* 2013; 32(5): 399-415.
13. van Wietmarschen H, Wang M, van der Greef J. Personalized treatment effects of *Rehmannia 6* on subjects with metabolic syndrome. *J of Ethnopharmacology* 2013; 11(5): 1-9.
14. van Wijk R, van Wijk E, van Wietmarschen H, van der Greef J. Towards whole-body ultra-weak photon counting and imaging with a focus on human. *J of Photochemistry and Photobiology* 2013; Dec 2. Pii: S1011-344.
15. Aschbacher K, Rodriguez-Fernandez M, Jain S, van Wietmarschen H, Doyle F, van der Greef J. System Dynamics of Leptin & the Hypothalamic-Pituitary Adrenal (HPA) Axis Are Linked with Greater Body Fat and Insulin Resistance in Obese Women. *Interface Focus* 2014; 4(5).
16. Schroën Y, van Wietmarschen HA, Wang M, van Wijk E, Hankemeier T, Xu G, van der Greef J. East is East, and West is West, and never the twain shall meet? *Science* 2014; 346 (6216 Suppl): S10-2.
17. Stroeve JHM, van Wietmarschen H, Kremer BHA, van Ommen B, Wopereis S. Phenotypic Flexibility as a measure of health: the optimal nutritional stress response test. *Genes & Nutrition* 2015; 10: 13.
18. van der Greef J, van Wietmarschen H, Schroën Y, Babouraj N, Trousselard M. Systematic Approaches to Evaluation and Integration of Eastern and Western Medical Practices. *Medical Acupuncture* 2015; 27(5).
19. He M, van Wijk E, Berger R, Wang M, Strassburg K, Schoeman JC, Vreeken RJ, van Wietmarschen H, Harms AC, Kobayashi M, Hankemeier T, van der Greef J. Collagen induced arthritis in DBA/1J mice associates with oxylipin changes in plasma. *Mediators of Inflammation* 2015, Article ID 543541, 11 pages. doi:10.1155/2015/543541.
20. Schroën Y, Wang M, van Wietmarschen HA, Witkamp R, Hankemeier T, Fan T-P, van der Greef J. Bridging the seen and the unseen—A systems pharmacology view of the bioactivity of rhizoma *Dioscorea nipponica* Mankino. *Science* 2015; 350 (6262 Suppl): S66-9.
21. He M, Sun M, van Wijk E, van Wietmarschen H, van Wijk R, Wang Z, Wang M, Hankemeier T, van der Greef J. A Chinese literature overview on ultra-weak photon emission as promising technology for studying system-based diagnostics. *Complementary Therapies and Medicine* 2016; 25: 20-6.
22. Sun M, van Wijk R, van Wijk E, Wang M, van Wietmarschen H, Han J, Hankemeier T, van der Greef J. Delayed luminescence: an experimental protocol for Chinese herbal medicines. *Luminescence* 2016 Sep; 31(6):1220-8. DOI: 10.1002/bio.3094.
23. van Wietmarschen HA, Hagels H, Peters R, Heistek J, van der Greef J, Wang M. Optimizing growth conditions for digoxin production in *Digitalis lanata* Ehrh. *World J Tradit Chin Med* 2016; 2(2): 24-35. DOI 10.15806/j.issn.2311-8571.2016.0010.
24. Fu J, Schoeman N, Harms H, van Wietmarschen H, Vreeken R, Berger R, van der Greef J, Hankemeier T. Metabolomics profiling of the free and total oxidized lipids in urine by LC/MS: application in patients with rheumatoid arthritis. *Anal Bioanal Chem* 2016; doi: 10.1007/s00216-016-9742-2.

25. Berk KAC, Mulder MT, Verhoeven AJM, van Wietmarschen H, Boessen R, Pellis L, van t Spijker A, Timman R, Ozcan B, Sijbrands EJG. Physiological and psychological predictors of weight loss in patients with type 2 diabetes following an 8 week very low calorie diet. *PloS One* 2016 Aug 5; 11(8): e0160774. doi: 10.1371/journal.pone.0160774.
26. Cuppen BVJ, Fu J, van Wietmarschen HA, Harms AC, Koval VV, Marijnissen ACA, Peeters JJW, Bijlsma JWJ, Tekstra J, van Laar JM, Hankemeier T, Lafeber FPJG, van der Greef J. Exploring the inflammatory metabolomics profile to predict response to biological therapy in rheumatoid arthritis. *PloS One* 2016 Sep 15; 11(9): e0163087. doi:10.1371/journal.pone.0163087.
27. Fu J, Cuppen BVJ, Welsing PMJ, van Wietmarschen H, Harms AC, Berger R, Koval S, Fritsch-Stork RDE, Bijlsma JWJ, Hankemeier T, van der Greef J, Lafeber FPJG. Differences between serum lipid profile of male and female rheumatoid arthritis patients in response to glucocorticoid treatment. *Inflammopharmacology* 2016; 24(6): 397-402.
28. Binsch O, van Wietmarschen H, Buick F. Relationships between cortisol, optimism and persistence measured in two military settings. *Military Psychology* 2016: doi: 10.1037/mil0000146.
29. van Wietmarschen HA, Wortelboer H, van der Greef J. Grip on health: a complex systems approach to transform healthcare. *J of Evaluation in Clinical Practice* 2016. doi 10.1111/jep.12679.
30. He M, van Wijk E, van Wietmarschen H, Wang M, Sun M, Koval S, van Wijk R, Hankemeier T, van der Greef J. Spontaneous ultra-weak photon emission in correlation to inflammatory metabolism and oxidative stress in a mouse model of collagen-induced arthritis. *Journal of Photochemistry & Photobiology, B: Biology*.2017; 168: 98-106.
31. Fu J, van Wietmarschen H, van der Greef J, Schroën Y, Wang M. Systems response profiles to two Radix Rehmanniae formulas in metabolic syndrome patients. *WJTCM* 2017; 3(1): 1-10.
32. van Wietmarschen H, Schroën Y, Kallen V, Steijaert M, de Graaf A, van Ommen B, van der Greef J. Systems biology of resilience and optimal health. *WJTCM* 2017; 3(1): 38-49.
33. Shen L, Ye B, Sun H, Lin Y, van Wietmarschen H, Shen B. Systems health: a transition from disease management towards health promotion. *Adv Exp Med Biol* 2017; 1028: 149-64.

## Book chapters (4)

34. van Wietmarschen H, van der Greef J. (2011). Systeemdenken als basis voor duurzame gezondheidszorg. In: *Duurzame gezondheidszorg*. Christofoor.
35. van Wietmarschen H, van der Greef J. (2011). Systeembioïe integreert Chinese en Westerse kennis over reumatoïde artritis. In: *TIG jaarboek*.
36. van Wietmarschen H, Wang M. (2012). Systeemdenken in de Chinese kruidengeneeskunde. In: *Wetenschap, bewustzijn en integrale geneeskunde*. Tijdschrift Integrale Geneeskunde.
37. Shen L, Ye B, Sun H, Lin Y, van Wietmarschen H, Shen B. (2017). Systems health: a transition from disease management towards health promotion. In:

Health Care and big data management. Springer. Series: Advances in Experimental Medicine and Biology.

## Reports (4)

38. van der Greef J, van Wietmarschen H, Schroën Y, Babouraj N, Trousselard M. Systematic Approaches to Evaluation and Integration of Eastern and Western Medical Practices. In: NATO-RTG panel report, chapter 9, 2014.
39. van Wietmarschen H, Delahaj R, Beurden M, de Hoogh I, de Graaf A, Binsch O, van Scheepstal P, Valk P. Multidimensional resilience assessment and optimization. TNO 2014 R11868.
40. van Wietmarschen H, de Graaf A. CERP model building for successful reintegration. TNO 2015 R10794.
41. van Wietmarschen H, van Vliet M, Battjes-Fries M, Jong M. Mindfulness voor huisartsen en andere professionals in de zorg: effecten op stress, zelfcompassie en patiëntenzorg. Louis Bolk Instituut 2017-010 VG.

## Publications in non-academic journals (3)

42. van Wietmarschen H, van der Greef J. Reumatoïde artritis. Onderzoek naar een meer patiënt gerichte behandeling. Supplement 2011: 3; 12-15.
43. Kremer B, van Wietmarschen H, van Ommen B. Getting a grip on complexity: systems nutrition. *Sight & Life* 2015: 29(1); 71-75.
44. Staps S, van Wietmarschen H, van der Lubbe J. Positieve benadering gezondheid werpt vruchten af. *Milieu* 2017: sept.

Last update: February 2018