

GUIDE

Annual Publication Report

2005

TABLE OF CONTENTS		
2	GRONINGEN INSTITUTE FOR KIDNEY DISEASES	GIKD
6	CARDIOVASCULAR CENTER	CVC
13	INSTITUTE FOR PHARMACOEPIDEMIOLOGY AND DRUG POLICY	PEDP
16	GRONINGEN RESEARCH INSTITUTE FOR ASTHMA AND COPD	GRIAC
20	CENTER FOR LIVER, DIGESTIVE AND METABOLIC DISEASES	CLDS
23	INSTITUTE FOR TRANSPLANTATION, IMMUNITY AND INFLAMMATION	TRIO
29	NORTHERN NETHERLANDS ONCOLOGY CENTER	NNOC
42	INSTITUTE FOR BIOPHARMACEUTICALS: DISCOVERY, DESIGN AND DELIVERY	BDDD
46	CENTER FOR SYNTHESIS AND ANALYSIS	S&A

GRONINGEN INSTITUTE FOR KIDNEY DISEASES - GIKD

Dissertations

Kocks, M. J. A. Sodium intake and therapy resistance to ACE inhibition : renal and vascular mechanisms. (2005) Navis, G. J., Zeeuw, D. de, and Jong, P. E. de

Journal Articles

Bakker, S. J. L., Gansevoort, R. T., Stuveling, E. M., Gans, R. O. B., Zeeuw, D. de. Microalbuminuria and C-reactive protein: Similar messengers of cardiovascular risk? *Current Hypertension Reports* 7(5): 379-384, 2005.

Bakker, W. W., Dael, C. M. L. van, Pierik, L. J. W. M., Wijk, J. A. E. van, Nauta, J., Borghuis, T., Kapojos, J. J. Altered activity of plasma hemopexin in patients with minimal change disease in relapse. *Pediatric Nephrology* 20(10): 1410-1415, 2005.

Bakker, W. W., Borghuis, T., Harmsen, M. C., Berg, A. van den, Kema, I. P., Niezen, K. E., Kapojos, J. J. Protease activity of plasma hemopexin. *Kidney International* 68(2): 603-610, 2005.

Blaauw, J., Graaff, R., Pampus, M. G. van, Doormaal, J. J. van, Smit, A. J., Rakhorst, G., Aarnoudse, J. G. Abnormal endothelium-dependent microvascular reactivity in recently preeclamptic women. *Obstetrics and Gynecology* 105(3): 626-632, 2005.

Boner, G., Cooper, M. E., McCarroll, K., Brenner, B. M., Zeeuw, D. de, Kowey, P. R., Shahinfar, S., Dickson, T., Crow, R. S., Parving, H. H. Adverse effects of left ventricular hypertrophy in the reduction of endpoints in NIDDM with the angiotensin II antagonist losartan (RENAAL) study. *Diabetologia* 48(10): 1980-1987, 2005.

Borggreve, S. E., Hillege, H. L., Wolffenbuttel, B. H. R., Jong, P. E. de, Bakker, S. J. L., Steege, G. van der, Tol, A. van, Dullaart, R. P. F. The effect of cholesteryl ester transfer protein-629C -> A promoter polymorphism on high-density lipoprotein cholesterol is dependent on serum triglycerides. *Journal of Clinical Endocrinology and Metabolism* 90(7): 4198-4204, 2005.

Brantsma, A. H., Bakker, S. J. L., Hillege, H. L., Zeeuw, D. de, Jong, P. E. de, Gansevoort, R. T. Urinary albumin excretion and its relation with C-reactive protein and the metabolic syndrome in the prediction Of type 2 diabetes. *Diabetes Care* 28(10): 2525-2530, 2005.

Brantsma, A. H., Zeeuw, D. de, Hillege, H. L. Letter regarding article by Klausen et al, "Very low levels of microalbuminuria are associated with increased risk of coronary heart disease and death independently of renal function, hypertension, and diabetes". *Circulation* 111(8): E110, 2005.

Brinkman, J. W., Zeeuw, D. de, Duker, J. J., Gansevoort, R. T., Kema, I. P., Hillege, H. L., Jong, P. E. de, Bakker, S. J. L. Falsely low urinary albumin concentrations after prolonged frozen storage of urine samples. *Clinical Chemistry* 51(11): 2181-2183, 2005.

Dasselaar, J. J., Huisman, R. M., Jong, P. E. de, Franssen, C. F. M. Measurement of relative blood volume changes during haemodialysis: merits and limitations. *Nephrology Dialysis Transplantation* 20(10): 2043-2049, 2005.

Dirks, J. H., Zeeuw, D. de, Agarwal, S. K., Atkins, R. C., Correa-Rötter, R., D'Amico, G., Bennett, P. H., El Nahas, M., Valdes, R. H., Kaseje, D., Katz, I. J., Naicker, S., Rodriguez-Iturbe, B., Schieppati, A., Shaheen, F., Sitthi-Amorn, C., Solez, K., Viberti, G., Remuzzi, G., Weening, J. J. Prevention of chronic kidney and vascular disease: Toward global health equity - The Bellagio 2004 Declaration. *Kidney International* 68(Suppl. 98): S1-S6, 2005.

Dokkum, R. P. E. van. Myocardial infarction enhances progressive renal damage in an experimental model for cardio-renal interaction (vol 15, pg 3103, 2004). *Journal of the American Society of Nephrology* 16(4): 1150, 2005.

Dolfing, J. G., Wolffenbuttel, B. H. R., Oei, H. I., Hoor-Aukerna, N. M., Schweitzer, D. H. Daily high doses of fluoxetine for weight loss and improvement in lifestyle before bariatric surgery. *Obesity Surgery* 15(8): 1185-1191, 2005.

Dolfing, J. G., Dubois, E. F., Wolffenbuttel, B. H. R., Hoor-Aukema, N. M., Schweitzer, D. H. Different cycle ergometer outcomes in severely obese men and women without documented cardiopulmonary morbidities before bariatric surgery. *Chest* 128(1): 256-262, 2005.

Dullaart, R. P. F., Riemens, S. C., Meinardi, J. R., Wolffenbuttel, B. H. R., Sluiter, W. J. Plasma adiponectin is modestly decreased during 24-hour insulin infusion but not after inhibition of lipolysis by Acipimox. *Scandinavian Journal of Clinical & Laboratory Investigation* 65(6): 523-531, 2005.

Franssen, C. F., Dasselaar, J. J., Sytsma, P., Burgerhof, J. G., Jong, P. E. de, Huisman, R. M. Automatic feedback control of relative blood volume changes during hemodialysis improves blood pressure stability during and after dialysis. *Hemodialysis International* 9(4): 383-392, 2005.

Gansevoort, R. T., Verhave, J. C., Hillege, H. L., Burgerhof, J. G. M., Bakker, S. J. L., Zeeuw, D. de, Jong, P. E. de. The validity of screening based on spot morning urine samples to detect subjects with microalbuminuria in the general population. *Kidney International* 67(Suppl. 94): S28-S35, 2005.

Greven, W. L., Waanders, F., Nagai, R., Heuvel, M. C. van den, Navis, G., Goor, H. van. Mesangial accumulation of GA-pyridine, a novel glycolaldehyde-derived AGE, in human renal disease. *Kidney International* 68(2): 595-602, 2005.

Greving, J. P., Denig, P., Veen, W. J. van der, Beltman, F. W., Sturkenboom, M. C. J. M., Zeeuw, D. de, Haaijer-Ruskamp, F. M. Uptake of angiotensin II receptor blockers in the treatment of hypertension. *European Journal of Clinical Pharmacology* 61(5-6): 461-466, 2005.

Hartog, J. W. L., Vries, A. P. J. de, Lutgers, H. L., Meerwaldt, R., Huisman, R. M., Son, W. J. van, Jong, P. E. de, Smit, A. J. Accumulation of advanced glycation end products, measured as skin autofluorescence, in renal disease. *Maillard Reaction: Chemistry at the Interface of Nutrition, Aging, and Disease* 1043: 299-307, 2005.

Huisman, I. A., Stegeman, C. A., Gans, R. O., Gansevoort, R. T. Preventie van contrastnephropathie; richtlijnen vanuit de afdeling Nefrologie van het Universitair Medisch Centrum Groningen. [Prevention of contrast nephropathy; guidelines from the Department Nephrology of the University Medical Centre Groningen]. *Nederlands Tijdschrift Geneeskunde* 149(42): 2329-2333, 15-10-2005.

- Janssen, B., Hohenadel, D., Brinkkoetter, P., Peters, V., Rind, N., Fischer, C., Rychlik, I., Cerna, M., Romzova, M., Heer, E. de, Baelde, H., Bakker, S. J. L., Zirie, M., Rondeau, E., Mathieson, P., Saleem, M. A., Meyer, J., Koppel, H., Sauerhoefer, S., Bartram, C. R., Nawroth, P., Hammes, H. P., Yard, B. A., Zschocke, J., Wouda, F. J. van der. Carnosine as a protective factor in diabetic nephropathy - Association with a leucine repeat of the carnosinase gene CNBP1. *Diabetes* 54(8): 2320-2327, 2005.
- Jong, P. E. de, Brenner, B. M., Zeeuw, D. de. Screening for microalbuminuria - Reply from the authors. *Kidney International* 68(4): 1901-1902, 2005.
- Jong, P. E. de, Zeeuw, D. de. Renoprotective therapy: is it blood pressure or albuminuria that matters? *Lancet* 365(9463): 913-914, 2005.
- Jong, P. E. de, Gansevoort, R. T. Screening techniques for detecting chronic kidney disease. *Current Opinion in Nephrology and Hypertension* 14(6): 567-572, 2005.
- Jong, P. E. de, Verhave, J. C., Curhan, G. C. Kidney function itself, and not cystatin C, is correlated with height and weight - Reply. *Kidney International* 67(2): 778-779, 2005.
- Keers, J. C., Links, T. P., Bouma, J., Scholten-Jaegers, S. M. H. J., Gans, R. O. B., Sanderman, R. Diabetes rehabilitation: Effects of a Multidisciplinary Intensive Education Programme for diabetic patients with prolonged self-management difficulties. *Journal of Clinical Psychology in Medical Settings* 12(2): 117-126, 2005.
- Kerstens, M. N., Wolffenbuttel, B. H., Dullaart, R. P. Weefselspecifieke veranderingen in het cortisolmetabolisme en hun mogelijke rol in het metabool syndroom. [Tissue-specific changes in cortisol metabolism and their potential role in the metabolic syndrome]. *Nederlands Tijdschrift Voor Geneeskunde* 149(16): 871-876, 16-4-2005.
- Kocks, M. J. A., Lely, A. T., Boomsma, F., Jong, P. E. de, Navis, G. Sodium status and angiotensin-converting enzyme inhibition: effects on plasma angiotensin-(1-7) in healthy man. *Journal of Hypertension* 23(3): 597-602, 2005.
- Kramer, A. B., Ricardo, S. D., Kelly, D. J., Waanders, F., Goor, H. van, Navis, G. Modulation of osteopontin in proteinuria-induced renal interstitial fibrosis. *Journal of Pathology* 207(4): 483-492, 2005.
- Kreutz, R., Zuurman, M., Kain, S., Bolbrinker, J., Jong, P. E. de, Navis, G. The role of the cytochrome P450 3A5 enzyme for blood pressure regulation in the general Caucasian population. *Pharmacogenetics and Genomics* 15(12): 831-837, 2005.
- Kuribayashi, I., Nomoto, S., Massa, G., Oostdijk, W., Wit, J. M., Wolffenbuttel, B. H. R., Shizuta, Y., Honke, K. Steroid 11-beta-hydroxylase deficiency caused by compound heterozygosity for a novel mutation, p.G314R, in one CYP11B1 allele, and a chimeric CYP11B2/CYP11B1 in the other allele. *Hormone Research* 63(6): 284-293, 2005.
- Laverman, G. D., Andersen, S., Rossing, P., Navis, G., Zeeuw, D. de, Parving, H. H. Renoprotection with and without blood pressure reduction. *Kidney International* 67(Suppl. 94): S54-S59, 2005.
- Leeuw, K. de, Sanders, J. S., Stegeman, C., Smit, A., Kallenberg, C. G., Bijl, M. Accelerated atherosclerosis in patients with Wegener's granulomatosis. *Annals of the Rheumatic Diseases* 64(5): 753-759, 2005.
- Levey, A. S., Eckardt, K. U., Tsukamoto, Y., Levin, A., Coresh, J., Rossert, J., Zeeuw, D. de, Hostetter, T. H., Lameire, N., Eknoyan, G. Definition and classification of chronic kidney disease: A position statement from Kidney Disease: Improving Global Outcomes (KDIGO). *Kidney International* 67(6): 2089-2100, 2005.
- Li, P. K. T., Weening, J. J., Dirks, J., Lui, S. L., Szeto, C. C., Tang, S., Atkins, R. C., Mitch, W. E., Chow, K. M., D'Amico, G., Freedman, B. I., Harris, D. C., Hooi, L. S., Jong, P. E. de, Kincaid-Smith, P., Lai, K. N., Lee, E., Li, F. K., Lin, S. Y., Lo, W. K., Mani, M. K., Mathew, T., Murakami, M., Qian, J. Q., Ramirez, S., Reiser, T., Tomino, Y., Tong, M. K., Tsang, W. K., Tungsanga, K., Wang, H. Y., Wong, A. K., Wong, K. M., Yang, W. C., Zeeuw, D. de, Yu, A. W., Remuzzi, G. A report with consensus statements of the International Society of Nephrology 2004 Consensus Workshop on Prevention of Progression of Renal Disease, Hong Kong, June 29, 2004. *Kidney International* 67(Suppl. 94): S2-S7, 2005.
- Loef, B. G., Epema, A. H., Smilde, T. D., Henning, R. H., Ebels, T., Navis, G., Stegeman, C. A. Immediate postoperative renal function deterioration in cardiac surgical patients predicts in-hospital mortality and long-term survival. *Journal of the American Society of Nephrology* 16(1): 195-200, 2005.
- Meerwaldt, R., Hartog, J. W. L., Graaff, R., Huisman, R. J., Links, T. P., Hollander, N. C. den, Thorpe, S. R., Baynes, J. W., Navis, G., Gans, R. O. B., Smit, A. J. Skin autofluorescence, a measure of cumulative metabolic stress and advanced glycation end products, predicts mortality in hemodialysis patients. *Journal of the American Society of Nephrology* 16(12): 3687-3693, 2005.
- Meerwaldt, R., Links, T., Graaff, R., Thorpe, S. R., Baynes, J. W., Hartog, J., Gans, R., Smit, A. Simple noninvasive measurement of skin autofluorescence. *Maillard Reaction: Chemistry at the Interface of Nutrition, Aging, and Disease* 1043: 290-298, 2005.
- Meerwaldt, R., Links, T. P., Graaff, R., Hoogenberg, K., Lefrandt, J. D., Baynes, J. W., Gans, R. O. B., Smit, A. J. Increased accumulation of skin advanced glycation end-products precedes and correlates with clinical manifestation of diabetic neuropathy. *Diabetologia* 48(8): 1637-1644, 2005.
- Mix, T. C. H., Brenner, R. M., Cooper, M. E., Zeeuw, D. de, Ivanovich, P., Levey, A. S., McGill, J. B., McMurray, J. J. V., Parfrey, P. S., Parving, H. H., Pereira, B. J. G., Remuzzi, G., Singh, A. K., Solomon, S. D., Stehman-Breen, C., Toto, R. D., Pfeffer, M. A. Rationale - Trial to Reduce Cardiovascular Events with Aranesp Therapy (TREAT): Evolving the management of cardiovascular risk in patients with chronic kidney disease. *American Heart Journal* 149(3): 408-413, 2005.
- Mui, K. W., Woittiez, A. J., Navis, G. J. Richtlijn 'Diagnostiek en behandeling van arterieel vaatlijden van de onderste extremiteit' van de Nederlandse Vereniging voor Heelkunde. [The guideline 'Diagnosis and treatment of peripheral artery disease of the lower extremities' of The Netherlands Surgical Society]. *Nederlands Tijdschrift Geneeskunde* 149(42): 2375-2376, 15-10-2005.
- Navis, G. Ace genotype and long-term graft survival after renal transplantation. *Nephrology Dialysis Transplantation* 20(5): 1019-1020, 2005.
- Oomen, P. H. N., Tol, A. van, Hattori, H., Smit, A. J., Scheek, L. M., Dullaart, R. P. F. Human plasma phospholipid transfer protein activity is decreased by acute hyperglycaemia: studies without and with hyperinsulinaemia in Type 1 diabetes mellitus. *Diabetic Medicine* 22(6): 768-774, 2005.

- Oterdoom, L. H., Vries, A. P. J. de, Son, W. J. van, Heide, J. J. H. van der, Ploeg, R. J., Gansevoort, R. T., Jong, P. E. de, Gans, R. O. B., Bakker, S. J. L. Validation of insulin resistance indexes in a stable renal transplant population. *Diabetes Care* 28(10): 2424-2429, 2005.
- Palmer, A. J., Annemans, L., Roze, S., Lapuerta, P., Chen, R., Gabriel, S., Carita, P., Rodby, R. A., Zeeuw, D. de, Parving, H. H., Alvara, F. de. Irbesartan is projected to be cost and life saving in a Spanish setting for treatment of patients with type 2 diabetes, hypertension, and microalbuminuria. *Kidney International* 67(Suppl. 93): S52-S54, 2005.
- Prakash, J., Loenen-Weemaes, A. M., Haas, M., Proost, J. H., Meijer, D. K. F., Moolenaar, F., Poelstra, K., Kok, R. J. Renal-selective delivery and angiotensin-converting enzyme inhibition by subcutaneously administered captopril-lysozyme. *Drug Metabolism and Disposition* 33(5): 683-688, 2005.
- Prakash, J., Saluja, V., Visser, J., Moolenaar, F., Meijer, D. K. F., Poelstra, K., Kok, R. J. Bioanalysis and pharmacokinetics of the p38 MAPkinase inhibitor SB202190 in rats. *Journal of Chromatography B* 826(1-2): 220-225, 2005.
- Ree, R. M. van, Vries, A. P. J. de, Oterdoom, L. H., The, T. H., Gansevoort, R. T., Heide, J. J. H. van der, Son, W. J. van, Ploeg, R. J., Jong, P. E. de, Gans, R. O. B., Bakker, S. J. L. Abdominal obesity and smoking are important determinants of C-reactive protein in renal transplant recipients. *Nephrology Dialysis Transplantation* 20(11): 2524-2531, 2005.
- Rook, M., Lely, A. T., Kramer, A. B., Goor, H. van, Navis, G. Individual differences in renal ACE activity in healthy rats predict susceptibility to adriamycin-induced renal damage. *Nephrology Dialysis Transplantation* 20(1): 59-64, 2005.
- Schaeffner, E. S., Kurth, T., Jong, P. E. de, Glynn, R. J., Buring, J. E., Gaziano, J. M. Alcohol consumption and the risk of renal dysfunction in apparently healthy men. *Archives of Internal Medicine* 165(9): 1048-1053, 2005.
- Smit-van Oosten, A., Boonstra, A. H., Navis, G., Goor, H. van, Buikema, H. Reduced cyclooxygenase involvement in vascular endothelial function in rat renal transplantation. *Nephron Physiology* 100(2): 21-30, 2005.
- Stewart, G. A., Gansevoort, R. T., Mark, P. B., Rooney, E., McDonagh, T. A., Dargie, H. J., Stuart, R., Rodger, C., Jardine, A. G. Electrocardiographic abnormalities and uremic cardiomyopathy. *Kidney International* 67(1): 217-226, 2005.
- Stuveling, E. M., Bakker, S. J. L., Hillege, H. L., Jong, P. E. de, Gans, R. O. B., Zeeuw, D. de. Biochemical risk markers: a novel area for better prediction of renal risk? *Nephrology Dialysis Transplantation* 20(3): 497-508, 2005.
- Timmeren, M. M. van, Bakker, S. J. L., Stegeman, C. A., Gans, R. O. B., Goor, H. van. Addition of oleic acid to delipidated bovine serum albumin aggravates renal damage in experimental protein-overload nephrosis. *Nephrology Dialysis Transplantation* 20(11): 2349-2357, 2005.
- Top, L. J., Gans, R. O., Zijlstra, J. G. Klinisch denken en beslissen in de praktijk. Een patient met kortademigheid en hyponatriemie. [Clinical reasoning and decision-making in practice. A patient with shortness of breath and hyponatraemia]. *Nederlands Tijdschrift Voor Geneeskunde* 149(37): 2037-2042, 10-9-2005.
- Veeneman, J. M., Kingma, H. A., Stellaard, F., Jong, P. E. de, Reijngoud, D. J., Huisman, R. M. Oxidative metabolism appears to be reduced in long-term hemodialysis patients. *American Journal of Kidney Diseases* 46(1): 102-110, 2005.
- Veeneman, J. M., Kingma, H. A., Stellaard, F., Jong, P. E. de, Reijngoud, D. J., Huisman, R. M. Membrane biocompatibility does not affect whole body protein metabolism during dialysis. *Blood Purification* 23(3): 211-218, 2005.
- Verhave, J. C., Hillege, H. L., Burgerhof, J. G. M., Gansevoort, R. T., Zeeuw, D. de, Jong, P. E. de. The association between atherosclerotic risk factors and renal function in the general population. *Kidney International* 67(5): 1967-1973, 2005.
- Vogt, L., Navis, G., Koster, J., Manolis, A. J., Reid, J. L., Zeeuw, D. de. The angiotensin II receptor antagonist telmisartan reduces urinary albumin excretion in patients with isolated systolic hypertension: results of a randomized, double-blind, placebo-controlled trial. *Journal of Hypertension* 23(11): 2055-2061, 2005.
- Vogt, L., Navis, G., Zeeuw, D. de. Individual titration for maximal blockade of the renin-angiotensin system in proteinuric patients: A feasible strategy? *Journal of the American Society of Nephrology* 16(Suppl. 1): S53-S57, 2005.
- Vries, R. de, Beusekamp, B. J., Kerstens, M. N., Groen, A. K., Tol, A. van, Dullaart, R. P. F. A low-saturated-fat, low-cholesterol diet decreases plasma CETP activity and pre beta-HDL formation but does not affect cellular cholesterol efflux to plasma from type 1 diabetic patients. *Scandinavian Journal of Clinical & Laboratory Investigation* 65(8): 729-737, 2005.
- Vries, R. de, Perton, F. G., Dallinga-Thie, G. M., Roon, A. M. van, Wolffenbuttel, B. H. R., Tol, A. van, Dullaart, R. P. F. Plasma cholesteryl ester transfer is a determinant of intima-media thickness in type 2 diabetic and nondiabetic subjects: Role of CETP and triglycerides. *Diabetes* 54(12): 3554-3559, 2005.
- Vries, R. de, Wolffenbuttel, B. H. R., Sluiter, W. J., Tol, A. van, Dullaart, R. P. F. Post-heparin plasma lipoprotein lipase, but not hepatic lipase activity, is related to plasma adiponectin in type 2 diabetic patients and healthy subjects. *Clinical Laboratory* 51(7-8): 403-409, 2005.
- Vries, R. de, Kerstens, M. N., Sluiter, W. J., Groen, A. K., Tol, A. van, Dullaart, R. P. F. Cellular cholesterol efflux to plasma from moderately hypercholesterolaemic type 1 diabetic patients is enhanced, and is unaffected by simvastatin treatment. *Diabetologia* 48(6): 1105-1113, 2005.
- Waanders, F., Greven, W. L., Baynes, J. W., Thorpe, S. R., Kramer, A. B., Nagai, R., Sakata, N., Goor, H. van, Navis, G. Renal accumulation of pentosidine in non-diabetic proteinuria-induced renal damage in rats. *Nephrology Dialysis Transplantation* 20(10): 2060-2070, 2005.
- Wolffenbuttel, B. H. R., Franken, A. A. M., Vincent, H. H. Cholesterol-lowering effects of rosuvastatin compared with atorvastatin in patients with type 2 diabetes - CORALL study. *Journal of Internal Medicine* 257(6): 531-539, 2005.
- Wouden, E. A. van der, Henning, R. H., Deelman, L. E., Roks, A. J. M., Boomsma, F., Zeeuw, D. de. Does angiotensin (1-7) contribute to the antiproteinuric effect of ACE-inhibitors? *Journal of the Renin - Angiotensin-Aldosterone System* 6(2): 96-101, 2005.
- Zeeuw, D. de, Hillege, H. L., Jong, P. E. de. The kidney, a cardiovascular risk marker, and a new target for therapy. *Kidney International* 68(Suppl. 98): S25-S29, 2005.

Zeeuw, D. de. Albuminuria, just a marker for cardiovascular disease, or is it more? *Journal of the American Society of Nephrology* 16(7): 1881-1883, 2005.

Zhang, Z. X., Shahinfar, S., Keane, W. F., Ramjit, D., Dickson, T. Z., Gleim, G. W., Mogensen, C. E., Zeeuw, D. de, Brenner, B. M., Snapinn, S. M. Importance of baseline distribution of proteinuria in renal outcomes trials: Lessons from the reduction of endpoints in NIDDM with the Angiotensin II Antagonist Losartan (RENAAL) study. *Journal of the American Society of Nephrology* 16(6): 1775-1780, 2005.

CARDIOVASCULAR CENTER – CVC

Dissertations

- Asselbergs, F. W. Vascular function and cardiovascular disease : risk stratification and early pharmacological intervention. (2005) Gilst, W. H. van, Veldhuisen, D. J. van, Jong, P. E. de, and Tio, R. A.
- Drenth, D. J. Off-pump coronary artery bypass grafting or percutaneous transluminal coronary angioplasty with stenting for proximal left anterior descending coronary artery disease? (2005) Boonstra, P. W. and Zijlstra, F.
- Ernst, N. M. S. K. J. Towards optimisation of mechanical reperfusion therapy for acute myocardial. (2005) Zijlstra, F.
- Horst, J. C. van der. Metabolic interventions in acute myocardial infarction. (2005) Zijlstra, F., Gans, R. O. B., and Bilo, H. J. G.
- Langeveld, B. Experimental in-stent restenosis in rats : the importance of systemic endothelial function. (2005) Gilst, W. H. van and Zijlstra, F.
- Loot, A. E. Therapeutic perspectives of Angiotensin-(1-7) in heart failure. (2005) Gilst, W. H. van, Henning, R. H., and Roks, A. J. M.
- Meer, P. van der. Anemia and erythropoietin in heart failure. (2005) Veldhuisen, D. J. van, Gilst, W. H. van, Voors, A. A., and Schoemaker, R. G.
- Melle, J. P. van. Depression after myocardial infarction: etiological, prognostic and therapeutical aspects. (2005) Ormel, J. and Veldhuisen, D. J. van
- Morariu, A. M. Impaired Organ Perfusion: Assessment of Early Diagnosis and Interventional Strategies. (2005) Busscher, H. J., Boonstra, P. W., and Ploeg, R. J.
- Perik, P. J. Cardiotoxicity after anticancer treatment: clinical investigations and molecular mechanisms. (2005) Veldhuisen, D. J. van, Sleijfer, D. Th., Gietema, J. A., and Graaf, W. T. A. van der
- Rahel, B. M. Restenosis in clinical practice : modern risk factors and treatment options in patients at increased risk for coronary restenosis after balloon angioplasty and stenting. (2005) Zijlstra, F., Plokker, H. W. M., and Suttorp, M. J.
- Slart, R. H. J. A. New nuclear medicine techniques for the assessment of myocardial viability. (2005) Veldhuisen, D. J. van, Wall, E. E. van der, Jager, P. L., and Bax, J. J.
- Smilde, T. D. J., Smil. Left ventricular and renal dysfunction : an exploration of the cardiorenal axis. (2005) Veldhuisen, D. J. van, Navis, G., Hillege, H. L., and Voors, A. A.
- Timmer, J. R. Clinical implications of glycometabolic disturbances in acute coronary. (2005) Zijlstra, F.
- Vries, A. J. de. Aspects of leucocyte and fat filtration during cardiac surgery. (2005) Lip, H., Boonstra, P. W., and Oeveren, W. van
- Westendorp, B. Tissue ACE inhibition and sodium status in left ventricular dysfunction. (2005) Gilst, W. H. van and Veldhuisen, D. J. van

Journal Articles

- Albada, M. E. van, Schoemaker, R. G., Kemna, M. S., Cromme-Dijkhuis, A. H., Veghel, R. van, Berger, R. M. F. The role of increased pulmonary blood flow in pulmonary arterial hypertension. *European Respiratory Journal* 26(3): 487-493, 2005.
- Asselbergs, F. W., Gilst, W. van. Urinary albumin excretion and carotid intima-media thickness. *Hypertension* 46(6): E20, 2005.
- Asselbergs, F. W., Piers, L. H., Jessurun, G. A. J., Boven, A. J. van, Veeger, N. J. G. M., Zijlstra, F., Gilst, W. van, Tio, R. A. Determination of vessel size: a putative framework to assess clinical outcome. *International Journal of Cardiology* 103(2): 135-139, 2005.
- Asselbergs, F. W., Harst, P. van der, Jessurun, G. A. J., Tio, R. A., Gilst, W. van. Clinical impact of vasomotor function assessment and the role of ACE-inhibitors and statins. *Vascular Pharmacology* 42(3): 125-140, 2005.
- Asselbergs, F. W., Roon, A. M. van, Hillege, H. L., Jong, P. E. de, Gans, R. O. B., Smit, A. J., Gilst, W. van. Effects of fosinopril and pravastatin on carotid intima-media thickness in subjects with increased albuminuria. *Stroke* 36(3): 649-653, 2005.
- Asselbergs, F. W., Berg, M. P. van den, Diercks, G. F. H., Gilst, W. van, Veldhuisen, D. J. van. C-reactive protein and microalbuminuria are associated with atrial fibrillation. *International Journal of Cardiology* 98(1): 73-77, 2005.
- Beaufort-Krol, G. C. M., Berg, M. P. van den, Wilde, A. A. M., Tintelen, J. P. van, Viersma, J. W., Bezzina, C. R., Bink-Boelkens, M. T. E. Developmental aspects of long QT syndrome type 3 and Brugada syndrome on the basis of a single SCN5A mutation in childhood. *Journal of the American College of Cardiology* 46(2): 331-337, 2005.
- Berg, M. P. van den, Ranchor, A. V., Sonderren, F. L. P. van, Gelder, I. C. van, Veldhuisen, D. J. van. Paroxysmal atrial fibrillation, quality of life and neuroticism. *Netherlands Journal of Medicine* 63(5): 170-174, 2005.
- Berg, M. P. van den, Spijkerman, T. A., Melle, J. P. van, Brink, R. H. S. van den, Winter, J. B., Veeger, N. J., Ormel, J. Depression as an independent determinant of decreased heart rate variability in patients post myocardial infarction. *Netherlands Heart Journal* 13(5): 165-169, 2005.
- Boer, R. A. de, Hillege, H. L., Tjeerdsma, G., Verheugt, F. W. A., Veldhuisen, D. J. van. Both antiplatelet and anticoagulant therapy may favorably affect outcome in patients with advanced heart failure. A retrospective analysis of the PRIME-II trial. *Thrombosis Research* 116(4): 279-285, 2005.
- Bohm, M., Hjalmarson, A., Kjekshus, J., Laufs, U., McMurray, J., Veldhuisen, D. J. van. Heart failure and statins - Why do we need a clinical trial? *Zeitschrift fur Kardiologie* 94(4): 223-230, 2005.
- Boonstra, P. W., Oeveren, W. van. Clopidogrel and postoperative bleeding. *Annals of Thoracic Surgery* 78(5): 1522, 2005.

- Borggreve, S. E., Hillege, H. L., Wolffenbuttel, B. H. R., Jong, P. E. de, Bakker, S. J. L., Steege, G. van der, Tol, A. van, Dullaart, R. P. F. The effect of cholesteryl ester transfer protein-629C -> A promoter polymorphism on high-density lipoprotein cholesterol is dependent on serum triglycerides. *Journal of Clinical Endocrinology and Metabolism* 90(7): 4198-4204, 2005.
- Brantsma, A. H., Bakker, S. J. L., Hillege, H. L., Zeeuw, D. de, Jong, P. E. de, Gansevoort, R. T. Urinary albumin excretion and its relation with C-reactive protein and the metabolic syndrome in the prediction Of type 2 diabetes. *Diabetes Care* 28(10): 2525-2530, 2005.
- Brantsma, A. H., Zeeuw, D. de, Hillege, H. L. Letter regarding article by Klausen et al, "Very low levels of microalbuminuria are associated with increased risk of coronary heart disease and death independently of renal function, hypertension, and diabetes". *Circulation* 111(8): E110, 2005.
- Breeman, A., Timmer, J., Ottervanger, J. P., Kolkman, E., Kluiver, E. de, Rigter, H., Boonstra, P., Zijlstra, F. Long-term follow-up after invasive approach of coronary artery disease in daily practice. *International Journal of Cardiology* 105(2): 186-191, 2005.
- Brinkman, J. W., Zeeuw, D. de, Duker, J. J., Gansevoort, R. T., Kema, I. P., Hillege, H. L., Jong, P. E. de, Bakker, S. J. L. Falsely low urinary albumin concentrations after prolonged frozen storage of urine samples. *Clinical Chemistry* 51(11): 2181-2183, 2005.
- Buikema, H. Activation of calcium-activated potassium channels by ghrelin: an opportunity to study the (patho)physiological role(s) of endothelium-derived hyperpolarizing factor? *Journal of Hypertension* 23(4): 713-715, 2005.
- Cimic, N., Tulleken, J. E., Zijlstra, J. G., Bij, W. van der, Boonstra, P. W. Recombinant factor VIIa for refractory hemorrhage after lung transplantation. *Transplantation* 79(6): 741-742, 2005.
- Cohen, D., Stolk, R. P. Antipsychotic medication and diabetes mellitus - Reply. *Journal of Clinical Psychiatry* 66(3): 395, 2005.
- Crijns, H. I. G. M., Tieleman, R. G., Gelder, I. C. van. Ablation for atrial fibrillation in congestive heart failure. *New England Journal of Medicine* 352(11): 1148, 2005.
- Dickstein, K., Jaarsma, T. Heart Failure Management Programmes: Delivering the message. *European Journal of Heart Failure* 7(3): 291-293, 2005.
- Dorgelo, J., Willems, T. P., Ooijen, P. M. A. van, Panday, G. F. V., Boonstra, P. W., Zijlstra, F., Oudkerk, M. A 16-slice multidetector computed tomography protocol for evaluation of the gastroepiploic artery grafts in patients after coronary artery bypass surgery. *European Radiology* 15(9): 1994-1999, 2005.
- Dorgelo, J., Willems, T. P., Geluk, C. A., Ooijen, P. M. A. van, Zijlstra, F., Oudkerk, M. Multidetector computed tomography-guided treatment strategy in patients with non-ST elevation acute coronary syndromes: a pilot study. *European Radiology* 15(4): 708-713, 2005.
- Drenth, D. J., Zijlstra, F., Boonstra, P. W. Letter regarding article by Sawhney et al, "Treatment of left anterior descending coronary artery disease with sirolimus-eluting stents". *Circulation* 111(16): E265, 2005.
- Drenthen, W., Pieper, P. G., Tuuk, K. van der, Roos-Hesselink, J. W., Voors, A. A., Mostert, B., Mulder, B. J. M., Moons, P., Ebels, T., Veldhuisen, D. J. van. Cardiac complications relating to pregnancy and recurrence of disease in the offspring of women with atrioventricular septal defects. *European Heart Journal* 26(23): 2581-2587, 2005.
- Drenthen, W., Pieper, P. G., Ploeg, M., Voors, A. A., Roos-Hesselink, J. W., Mulder, B. J. M., Vliegen, H. W., Sollic, K. M., Ebels, T., Veldhuisen, D. J. van. Risk of complications during pregnancy after Senning or Mustard (atrial) repair of complete transposition of the great arteries. *European Heart Journal* 26(23): 2588-2595, 2005.
- Ernst, N. M. S. K., Timmer, J. R., Zijlstra, F., Hof, A. W. J. t. Impact of failed mechanical reperfusion in patients with acute myocardial infarction treated with primary angioplasty. *American Journal of Cardiology* 96(3): 332-334, 2005.
- Flather, M. D., Shibata, M. C., Coats, A. J. S., Veldhuisen, D. J. van, Parkhomenko, A., Borbola, J., Cohen-Solal, A., Dumitrascu, D., Ferrari, R., Lechat, P., Soler-Soler, J., Tavazzi, L., Spinarova, L., Toman, J., Bohm, M., Anker, S. D., Thompson, S. G., Poole-Wilson, P. A. FASTTRACK Randomized trial to determine the effect of nebivolol on mortality and cardiovascular hospital admission in elderly patients with heart failure (SENIORS). *European Heart Journal* 26(3): 215-225, 2005.
- Flesch, M., Komajda, M., Lapuerta, P., Hermans, N., Le Pen, C., Gonzales-Juanatey, J. R., Veldhuisen, D. J. van, Tavazzi, L., Poole-Wilson, P., Erdmann, E. Adherence to guidelines in CHF therapy in Germany - a subgroup analysis of the Mahler survey. *Deutsche Medizinische Wochenschrift* 130(39): 2191-2197, 2005.
- Geluk, C. A., Asselbergs, F. W., Hillege, H. L., Bakker, S. J. L., Jong, P. E. de, Zijlstra, F., Gilst, W. van. Impact of statins in microalbuminuric subjects with the metabolic syndrome: a substudy of the PREVEND Intervention Trial. *European Heart Journal* 26(13): 1314-1320, 2005.
- Grandjean, J. G., Mariani, M. A., D'Alfonso, A., Musazzi, A., Boonstra, P. W. Endoventriculoplasty using autologous endocardium for anterior left ventricular aneurysms. *Thoracic and Cardiovascular Surgeon* 53(1): 52-55, 2005.
- Gu, Y. J., Graaff, R., Hoog, E. de, Veeger, N. J. G. M., Panday, G., Boonstra, P. W., Oeveren, W. van. Influence of hemodilution of plasma proteins on erythrocyte aggregability: An in vivo study in patients undergoing cardiopulmonary bypass. *Clinical Hemorheology and Microcirculation* 33(2): 95-107, 2005.
- Gu, Y. J., Kroon, T. de, Elstrodt, J. M., Oeveren, W. van, Boonstra, P. W., Rakhorst, G. Augmentation of abdominal organ perfusion during cardiopulmonary bypass with a novel intra-aortic pulsatile catheter pump. *International Journal of Artificial Organs* 28(1): 35-43, 2005.
- Hagens, V. E., Crijns, H. J. G. M., Veldhuisen, D. J. van, Berg, M. P. van den, Rienstra, M., Ranchor, A. V., Bosker, H. A., Kamp, O., Tijssen, J. G. P., Veeger, N. J. G. M., Gelder, I. C. van. Rate control versus rhythm control for patients with persistent atrial fibrillation with mild to moderate heart failure: Results from the RAte Control versus Electrical cardioversion (RACE) study. *American Heart Journal* 149(6): 1106-1111, 2005.
- Hagens, V. E., Veldhuisen, D. J. van, Kamp, O., Rienstra, M., Bosker, H. A., Veeger, N. J. G. M., Tijssen, J. G. P., Crijns, H. J. G. M., Gelder, I. C. van. Effect of rate and rhythm control on left ventricular function and cardiac dimensions in patients with persistent atrial fibrillation: Results from the RAte Control

- versus Electrical cardioversion for persistent atrial fibrillation (RACE) study. *Heart Rhythm* 2(1): 19-24, 2005.
- Harst, P. van der, Wagenaar, L. J., Buikema, H., Voors, A. A., Plokker, H. W. T., Morshuis, W. J., Six, A. J., Boonstra, P. W., Nickenig, G., Wassmann, S., Veldhuisen, D. J. van, Gilst, W. van. Effect of intensive versus moderate lipid lowering on endothelial function and vascular responsiveness to angiotensin II in stable coronary artery disease. *American Journal of Cardiology* 96(10): 1361-1364, 2005.
- Harst, P. van der, Voors, A. A., Gilst, W. van, Veldhuisen, D. J. van. Statins and autonomic function in chronic heart failure. *Cardiovascular Drugs and Therapy* 19(3): 167-168, 2005.
- Henriques, J. P. S., Gheeraert, P. J., Ottervanger, J. P., Boer, M. J. de, Dambrink, J. H. E., Gosselink, A. T. M., Hof, A. W. J. van t, Hoorntje, J. C. A., Suryapranata, H., Zijlstra, F. Ventricular fibrillation in acute myocardial infarction before and during primary PCI. *International Journal of Cardiology* 105(3): 262-266, 2005.
- Hof, A. W. J. t, Wetering, H. van de, Ernst, N., Hollak, F., Pooter, F. de, Suryapranata, H., Hoorntje, J. C. A., Dambrink, J. H. E., Gosselink, M., Zijlstra, F., Boer, M. J. de. A quantitative analysis of the benefits of pre-hospital infarct angioplasty triage on outcome in patients undergoing primary angioplasty for acute myocardial infarction. *European Heart Journal Supplements* 7(K): K36-K40, 2005.
- Hogehuis, J., Voors, A. A., Jaarsma, T., Hillege, H. L., Boomsma, F., Veldhuisen, D. J. van. Influence of age on natriuretic peptides in patients with Chronic Heart Failure: a comparison between ANP/NT-ANP and BNP/NT-proBNP. *European Journal of Heart Failure* 7(1): 81-86, 2005.
- Horst, I. C. C. van der, Zijlstra, F. Role for insulin in acute myocardial infarction: ruled out or hard to prove? *European Heart Journal* 26(23): 2600, 2005.
- Horst, I. C. C. van der, Luca, G. de, Ottervanger, J. P., Boer, M. J. de, Hoorntje, J. C. A., Suryapranata, H., Dambrink, J. H. E., Gosselink, A. T. M., Zijlstra, F., Hof, A. W. J. t. ST-segment elevation resolution and outcome in patients treated with primary angioplasty and glucose-insulin-potassium infusion. *American Heart Journal* 149(6) 2005.
- Horst, I. C. C. van der, Timmer, J. R., Ottervanger, J. P., Bilo, H. J. G., Gans, R. O. B., Boer, M. J. de, Zijlstra, F. Glucose-insulin-potassium and reperfusion in acute myocardial infarction: Rationale and design of the glucose insulin-potassium study-2 (GIPS-2). *American Heart Journal* 149(4): 585-591, 2005.
- Jaarsma, T. Inter-professional team approach to patients with heart failure. *Heart* 91(6): 832-838, 2005.
- Jaarsma, T., Veldhuisen, D. J. van. Heart failure management: how much COACH-ing is needed? *European Heart Journal* 26(3): 314, 2005.
- Jaarsma, T. Health care professionals in a heart failure team. *European Journal of Heart Failure* 7(3): 343-349, 2005.
- Jaarsma, T., Haaijer-Ruskamp, F. M., Sturm, H., Veldhuisen, D. J. van. Management of heart failure in the Netherlands. *European Journal of Heart Failure* 7(3): 371-375, 2005.
- Jaarsma, T. Writing a publication on cardiac nursing: just do it! *European Journal of Cardiovascular Nursing* 4(4): 265-266, 2005.
- Jaarsma, T., Lesman-Leegte, G. A. T., Cleuren, G. V. J., Lucas, C. M. H. B. Measuring quality of life in heart failure: One versus multiple items. *Netherlands Heart Journal* 13(10): 338-342, 2005.
- Janssen, C. H. C., Kuijpers, D., Vliegthart, R., Overbosch, J., Dijkman, P. R. M. van, Zijlstra, F., Oudkerk, M. Coronary artery calcification score by multislice computed tomography predicts the outcome of dobutamine cardiovascular magnetic resonance imaging. *European Radiology* 15(6): 1128-1134, 2005.
- Jong, R. M. de, Willemsen, A. T. M., Slart, R. H. J. A., Blanksma, P. K., Waarde, A. van, Cornel, J. H., Vaalburg, W., Veldhuisen, D. J. van, Elsinga, P. H. Myocardial beta-adrenoceptor downregulation in idiopathic dilated cardiomyopathy measured in vivo with PET using the new radioligand (S)-[C-11]CGP12388. *European Journal of Nuclear Medicine and Molecular Imaging* 32(4): 443-447, 2005.
- Komajda, M., Lapuerta, P., Hermans, N., Gonzalez-Juanatey, J. R., Veldhuisen, D. J. van, Erdmann, E., Tavazzi, L., Poole-Wilson, P., Le Pen, C. Adherence to guidelines is a predictor of outcome in chronic heart failure: the MAHLER survey. *European Heart Journal* 26(16): 1653-1659, 2005.
- Langeveld, B., Roks, A. J. M. Rat restenosis models: Means for thorough restenosis research. *Journal of Endovascular Therapy* 12(3): 343-345, 2005.
- Langeveld, B., Gilst, W. van, Zijlstra, F. A simple, inexpensive, rapid, and accurate preclinical model for in-stent restenosis. *Journal of the American College of Cardiology* 45(8): 1310, 2005.
- Langeveld, B., Gilst, W. van, Tio, R. A., Zijlstra, F., Roks, A. J. M. Angiotensin-(1-7) attenuates neointimal formation after stent implantation in the rat. *Hypertension* 45(1): 138-141, 2005.
- Langeveld, B., Roks, A. J. M., Tio, R. A., Voors, A. A., Zijlstra, F., Gilst, W. van. Renin-angiotensin system intervention to prevent in-stent restenosis - An unclosed chapter. *Journal of Cardiovascular Pharmacology* 45(1): 88-98, 2005.
- Lesman-Leegte, I., Jaarsma, T., Veldhuisen, D. J. van. Quality of life in patients with preserved and depressed left ventricular function. *European Heart Journal* 26(5): 525-526, 2005.
- Liem, A., Reynierse-Buitenwerf, G. H., Zwinderman, A. H., Jukema, J. W., Veldhuisen, D. J. van. Secondary prevention with folic acid: results of the Goes extension study. *Heart* 91(9): 1213-1214, 2005.
- Lipsic, E., Horst, I. C. C. van der, Voors, A. A., Meer, P. van der, Nijsten, M. W. N., Gilst, W. van, Veldhuisen, D. J. van, Zijlstra, F. Hemoglobin levels and 30-day mortality in patients after myocardial infarction. *International Journal of Cardiology* 100(2): 289-292, 2005.
- Loef, B. G., Epema, A. H., Smilde, T. D., Henning, R. H., Ebels, T., Navis, G., Stegeman, C. A. Immediate postoperative renal function deterioration in cardiac surgical patients predicts in-hospital mortality and long-term survival. *Journal of the American Society of Nephrology* 16(1): 195-200, 2005.
- Loot, A. E., Buiten, A. van, Roks, A. J., Henning, R. H. The suitability of iodinated Angiotensin-(1-7) peptides as pharmacological tools. *Journal of Pharmacological and Toxicological Methods* 51(1): 51-55, 2005.

- Luca, G. de, Hof, A. W. J. van t, Ottervanger, J. P., Hoorntje, J. C. A., Gosselink, A. T. M., Dambrink, J. H. E., Zijlstra, F., Boer, M. J. de, Suryapranata, H. Unsuccessful reperfusion in patients with ST-segment elevation myocardial infarction treated by primary angioplasty. *American Heart Journal* 150(3): 557-562, 2005.
- Lucas, C. M. H. B., Cleuren, G. V. J., Jaarsma, T., Rees, C. van, Kirchhof, C. J. H. J. Practical implications of having a dedicated heart failure programme. *Netherlands Heart Journal* 13(10): 343-348, 2005.
- Luttik, M. L., Jaarsma, T., Moser, D., Sanderman, R., Veldhuisen, D. J. van. The importance and impact of social support on outcomes in patients with heart failure: an overview of the literature. *European Journal of Cardiovascular Nursing* 20(3): 162-169, 2005.
- Luttik, M. L., Jaarsma, T., Veeger, N. J. G. M., Veldhuisen, D. J. van. For better and for worse: Quality of life impaired in HF patients as well as in their partners. *European Journal of Cardiovascular Nursing* 4(1): 11-14, 2005.
- Meer, P. van der, Boer, R. A. de, White, H. L., Steege, G. van der, Hall, A. S., Voors, A. A., Veldhuisen, D. J. van. The VEGF +405 CC promoter polymorphism is associated with an impaired prognosis in patients with chronic heart failure: A MERIT-HF substudy. *Journal of Cardiac Failure* 11(4): 279-284, 2005.
- Meer, P. van der, Lipsic, E., Westenbrink, B. D., Wal, R. M. A. van de, Schoemaker, R. G., Vellenga, E., Veldhuisen, D. J. van, Voors, A. A., Gilst, W. van. Levels of Hematopoiesis inhibitor N-acetyl-seryl-aspartyl-lysyl-proline partially explain the occurrence of anemia in heart failure. *Circulation* 112(12): 1743-1747, 2005.
- Meer, P. van der, Lipsic, E., Henning, R. H., Boddeus, K., Velden, J. van der, Voors, A. A., Veldhuisen, D. J. van, Gilst, W. van, Schoemaker, R. G. Erythropoietin induces neovascularization and improves cardiac function in rats with heart failure after myocardial infarction. *Journal of the American College of Cardiology* 46(1): 125-133, 2005.
- Meer, P. van der, Lipsic, E., Gilst, W. van, Veldhuisen, D. J. van. Erythropoietin: From hematopoiesis to cardioprotection. *Cardiovascular Drugs and Therapy* 19(1): 7-8, 2005.
- Meijboom, L. J., Timmermans, J., Tintelen, J. P. van, Nollen, G. J., Backer, J. de, Berg, M. P. van den, Boers, G. H., Mulder, B. J. M. Evaluation of left ventricular dimensions and function in Marfan's syndrome without significant valvular regurgitation. *American Journal of Cardiology* 95(6): 795-797, 2005.
- Meijer, J. M., Pieper, P. G., Drenthen, W., Voors, A. A., Roos-Hesselink, J. W., Dijk, A. P. J. van, Mulder, B. J. M., Ebels, T., Veldhuisen, D. J. van. Pregnancy, fertility, and recurrence risk in corrected tetralogy of Fallot. *Heart* 91(6): 801-805, 2005.
- Melle, J. P. van, Jonge, P. de, Ormel, J., Crijns, H. J. G. M., Veldhuisen, D. J. van, Honig, A., Schene, A. H., Berg, M. P. van den. Relationship between left ventricular dysfunction and depression following myocardial infarction: data from the MIND-IT. *European Heart Journal* 26(24): 2650-2656, 2005.
- Monraats, P. S., Pires, N. M. M., Schepers, A., Agema, W. R. P., Boesten, L. S. M., Vries, M. R. de, Zwinderman, A. H., Maat, M. P. M. de, Doevendans, P. A. F. M., Winter, R. J. de, Tio, R. A., Waltenberger, J., Hart, L. M. t, Frants, R. R., Quax, P. H. A., Vlijmen, B. J. M. van, Havekes, L. M., Laarse, A. van der, Wall, E. E. van der, Jukema, J. W. Tumor necrosis factor-alpha plays an important role in restenosis development. *Faseb Journal* 19(14): 1998-2004, 2005.
- Monraats, P. S., Pires, N. M. M., Agema, W. R. P., Zwinderman, A. H., Schepers, A., Maat, M. P. M. de, Doevendans, P. A., Winter, R. J. de, Tio, R. A., Waltenberger, J., Frants, R. R., Quax, P. H. A., Vlijmen, B. J. M. van, Atsma, D. E., Laarse, A. van der, Wall, E. E. van der, Jukema, J. W. Genetic inflammatory factors predict restenosis after percutaneous coronary interventions. *Circulation* 112(16): 2417-2425, 2005.
- Monraats, P. S., Rana, J. S., Nierman, M. C., Pires, N. M. M., Zwinderman, A. H., Kastelein, J. J. P., Kuivenhoven, J. A., Maat, M. P. M. de, Rittersma, S. Z. H., Schepers, A., Doevendans, P. A. F., Winter, R. J. de, Tio, R. A., Frants, R. R., Quax, P. H. A., Der Laarse, A., Der Wall, E. E., Jukema, J. W. Lipoprotein lipase gene polymorphisms and the risk of target vessel revascularization after percutaneous coronary intervention. *Journal of the American College of Cardiology* 46(6): 1093-1100, 2005.
- Monraats, P. S., Rana, J. S., Zwinderman, A. H., Maat, M. P. M. de, Kastelein, J. P., Agema, W. R. P., Doevendans, P. A. F., Winter, R. J. de, Tio, R. A., Waltenberger, J., Frants, R. R., Laarse, A. van der, Wall, E. E. van der, Jukema, J. W. -455 G/A polymorphism and preprocedural plasma levels of fibrinogen show no association with the risk of clinical restenosis in patients with coronary stent placement. *Thrombosis and Haemostasis* 93(3): 564-569, 2005.
- Okonko, D. O., Veldhuisen, D. J. van, Poole-Wilson, P. A., Anker, S. D. Anaemia of chronic disease in chronic heart failure: the emerging evidence. *European Heart Journal* 26(21): 2213-2214, 2005.
- Perik, P. J., Veldhuisen, D. J. van, Gietema, J. A. Natriuretic peptides in anthracycline-induced cardiotoxicity. *European Journal of Heart Failure* 7(5): 940-943, 2005.
- Perik, P. J., Vries, E. G. E. de, Boomsma, F., Graaf, W. T. A. van der, Sleijfer, D. T., Veldhuisen, D. J. van, Gietema, J. A. Use of natriuretic peptides for detecting cardiac dysfunction in long-term disease-free breast cancer survivors. *Anticancer Research* 25(5): 3651-3657, 2005.
- Perik, P. J., Vries, E. G. E. de, Gietema, J. A., Graaf, W. T. A. van der, Sleijfer, D. T., Suurmeijer, A. J. H., Veldhuisen, D. J. van. The dilemma of the strive for apoptosis in oncology: mind the heart. *Critical Reviews in Oncology Hematology* 53(2): 101-113, 2005.
- Phillips, C. O., Singa, R. M., Rubin, H. R., Jaarsma, T. Complexity of program and clinical outcomes of heart failure disease management incorporating specialist nurse-led heart failure clinics. A meta-regression analysis. *European Journal of Heart Failure* 7(3): 333-341, 2005.
- Piers, L. H., Dorgelo, J., Tio, R. A., Jessurun, G. A. J., Oudkerk, M., Zijlstra, F. Assessment of coronary artery bypass graft patency by multidetector computed tomography and electron-beam tomography. *International Journal of Cardiovascular Imaging* 21(4): 447-451, 2005.
- Pitt, B., White, H., Nicolau, J., Martinez, F., Gheorghiadu, M., Aschermann, M., Veldhuisen, D. J. van, Zannad, F., Krum, H., Mukherjee, R., Vincent, J. Eplerenone reduces mortality 30 days after randomization following acute myocardial infarction in patients with left ventricular systolic dysfunction and heart failure. *Journal of the American College of Cardiology* 46(3): 425-431, 2005.
- Rana, J. S., Monraats, P. S., Zwinderman, A. H., Maat, M. P. M. de, Kastelein, J. J. P., Agema, W. R. P., Doevendans, P. A. F., Winter, R. J. de, Tio, R. A., Waltenberger, J., Frants, R. R., Laarse, A. van der, Wall, E. E. van der, Jukema, J. W. Pre-

- procedural levels of erythrocyte sedimentation rate (ESR) and risk of clinical restenosis in patients with percutaneous coronary intervention and coronary stent placement. *Thrombosis and Haemostasis* 94(4): 892-894, 2005.
- Rienstra, M., Veldhuisen, D. J. van, Hagens, V. E., Rancho, A. V., Veeger, N. J. G. M., Crijns, H. J. G. M., Gelder, I. C. van. Gender-related differences in rhythm control treatment in persistent atrial fibrillation - Data of the Rate Control versus Electrical Cardioversion (RACE) study. *Journal of the American College of Cardiology* 46(7): 1298-1306, 2005.
- Schoonderwoerd, B. A., Gelder, I. C. van, Veldhuisen, D. J. van, Berg, M. P. van den, Crijns, H. J. G. M. Electrical and structural remodeling: Role in the genesis and maintenance of atrial fibrillation. *Progress in Cardiovascular Diseases* 48(3): 153-168, 2005.
- Slart, R. H. J. A., Bax, J. J., Boer, J. de, Willemsen, A. T. M., Mook, P. H., Oudkerk, M., Wall, E. E. van der, Veldhuisen, D. J. van, Jager, P. L. Comparison of Tc-99m-sestamibi/(18)FDG DISA SPECT with PET for the detection of viability in patients with coronary artery disease and left ventricular dysfunction. *European Journal of Nuclear Medicine and Molecular Imaging* 32(8): 972-979, 2005.
- Smilde, T. D. J., Asselbergs, F. W., Hillege, H. L., Voors, A. A., Kors, J. A., Gansevoort, R. T., Gilst, W. van, Jong, P. E. de, Veldhuisen, D. J. van. Mild renal dysfunction is associated with electrocardiographic left ventricular hypertrophy. *American Journal of Hypertension* 18(3): 342-347, 2005.
- Smilde, T. D. J., Linssen, G. C. M., Galleman, D., Kuhn, T., Machnig, T., Mol, P. G. M., Hillege, H. L., Wijk, L. M. van, Dijk, R. B. van, Veldhuisen, D. J. van. Influence of renal dysfunction on the pharmacokinetics of the selective Na⁺/H⁺ exchange inhibitor EMD 87 in patients with chronic heart failure. *International Journal of Clinical Pharmacology and Therapeutics* 43(11): 507-516, 2005.
- Smilde, T. D. J., Hillege, H. L., Veldhuisen, D. J. van, Navis, G. Angiotensin-converting enzyme inhibitors and outcome among patients with heart failure and renal insufficiency: Need for a prospective study. *Journal of the American College of Cardiology* 45(11): 1905, 2005.
- Stolk, R. P., Bots, M. L. Serial echocardiographic assessment of left ventricular mass. *Journal of Hypertension* 23(2): 460-461, 2005.
- Sturm, H. B., Gilst, W. van, Swedberg, K., Hobbs, F. D. R., Haaijer-Ruskamp, F. M. Heart failure guidelines and prescribing in primary care across Europe. *Bmc Health Services Research* 5: 57-?, 2005.
- Suryapranata, H., Luca, G. de, Hof, A. W. J. van t, Ottervanger, J. P., Hoorntje, J. C. A., Dambrink, J. H. E., Gosselink, A. T. M., Zijlstra, F., Boer, M. J. de. Is routine stenting for acute myocardial infarction superior to balloon angioplasty? A randomised comparison in a large cohort of unselected patients. *Heart* 91(5): 641-645, 2005.
- Svilaas, T., Horst, I. C. C. van der, Zijlstra, F. The role of glycoprotein IIb/IIIa inhibitors in primary percutaneous coronary intervention for ST elevation myocardial infarction. *European Heart Journal* 26(23): 2479-2481, 2005.
- Svilaas, T., Zijlstra, F. The benefit of an invasive approach in thrombolysis-ineligible patients with acute myocardial infarction. *American Journal of Medicine* 118(2): 123-125, 2005.
- Swedberg, K., Cleland, J., Dargie, H., Drexler, H., Follath, F., Komajda, M., Tavazzi, L., Smiseth, O. A., Gavazzi, A., Haverich, A., Hoes, A., Jaarsma, T., Korewicki, J., Levy, S., Linde, C., Lopez-Sendon, J. L., Nieminen, M. S., Pierard, L., Remme, W. J. Guidelines for the Diagnosis and Treatment of Chronic Heart Failure: Executive summary (Update 2005). *Revista Espanola de Cardiologia* 58(9): 1062-1092, 2005.
- Swedberg, K., Cleland, J., Dargie, H., Drexler, H., Follath, F., Komajda, M., Tavazzi, L., Smiseth, O. A., Gavazzi, A., Haverich, A., Hoes, A., Jaarsma, T., Korewicki, J., Levy, S., Linde, C., Lopez-Sendon, J. L., Nieminen, M. S., Pierard, L., Remme, W. J. Guidelines for the diagnosis and treatment of chronic heart failure: executive summary (update 2005). *European Heart Journal* 26(11): 1115-1140, 2005.
- Teerlink, J. R., McMurray, J. J. V., Bourge, R. C., Cleland, J. G. F., Cotter, G., Jondeau, G., Krum, H., Metra, M., O'Connor, C. M., Parker, J. D., Torre-Amione, G., Veldhuisen, D. J. van, Frey, A., Rainisio, M., Kobrin, I. Tezosentan in patients with acute heart failure: Design of the Value of Endothelin Receptor Inhibition with Tezosentan in Acute heart failure Study (VERITAS). *American Heart Journal* 150(1): 46-53, 2005.
- Tieleman, R. G., Gelder, I. C. van, Bosker, H. A., Kingma, T., Wilde, A. A. M., Kirchhof, C. J. H. J., Bennekens, J. H., Bracke, F. A. L. E., Veeger, N. J. G. M., Haaksma, J., Alessie, M. A., Crijns, H. J. G. M. Does flecainide regain its antiarrhythmic activity after electrical cardioversion of persistent atrial fibrillation? *Heart Rhythm* 2(3): 223-230, 2005.
- Timmer, J. R., Horst, I. C. C. van der, Luca, G. de, Ottervanger, J. P., Hoorntje, J. C. A., Boer, M. J. de, Suryapranata, H., Dambrink, J. H. E., Gosselink, M., Zijlstra, F., Hof, A. W. J. van t. Comparison of myocardial perfusion after successful primary percutaneous coronary intervention in patients with ST-elevation myocardial infarction with versus without diabetes mellitus. *American Journal of Cardiology* 95(11): 1375-1377, 2005.
- Timmer, J. R., Ottervanger, J. P., Hoorntje, J. C. A., Boer, M. J. de, Suryapranata, H., Hof, A. W. J. van t, Zijlstra, F. Prognostic value of erythrocyte sedimentation rate in ST segment elevation myocardial infarction: interaction with hyperglycaemia. *Journal of Internal Medicine* 257(5): 423-429, 2005.
- Timmer, J. R., Ottervanger, J. P., Boer, M. J. de, Dambrink, J. H. E., Hoorntje, J. C. A., Gosselink, A. T. M., Suryapranata, H., Zijlstra, F., Hof, A. W. J. van t. Hyperglycemia is an important predictor of impaired coronary flow before reperfusion therapy in ST-segment elevation myocardial infarction. *Journal of the American College of Cardiology* 45(7): 999-1002, 2005.
- Tio, R. A., Wijpkema, J. S., Tan, E. S., Asselbergs, F. W., Hoppers, G. A. P., Jessurun, G. A. J., Zijlstra, F. Functional characteristics of coronary vasomotor function following intramyocardial gene therapy with naked DNA encoding for vascular endothelial growth factor 165. *Endothelium - Journal of Endothelial Cell Research* 12(3): 103-106, 2005.
- Veeger, N. J. G. M., Piersma-Wichers, M., Tijssen, J. G. P., Hillege, H. L., Meer, J. Individual time within target range in patients treated with vitamin K antagonists: main determinant of quality of anticoagulation and predictor of clinical outcome. A retrospective study of 2300 consecutive patients with venous thromboembolism. *British Journal of Haematology* 128(4): 513-519, 2005.
- Veldhuisen, D. J. van, Dessel, P. F. H. M. van. Cardiac resynchronization therapy in chronic heart failure: How to select the patient that will benefit? Editorial comment. *International Journal of Cardiology* 100(1): 13-15, 2005.

- Veldhuisen, D. J. van, Voors, A. A. Implantable cardioverter-defibrillators. *New England Journal of Medicine* 352(19): 2023, 2005.
- Verhave, J. C., Hillege, H. L., Burgerhof, J. G. M., Gansevoort, R. T., Zeeuw, D. de, Jong, P. E. de. The association between atherosclerotic risk factors and renal function in the general population. *Kidney International* 67(5): 1967-1973, 2005.
- Vink, R., Rienstra, M., Dongen, C. J. J. van, Levi, M., Buller, H. R., Crijns, H. J., Gelder, I. C. van. Risk of thromboembolism and bleeding after general surgery in patients with atrial fibrillation. *American Journal of Cardiology* 96(6): 822-824, 2005.
- Vleuten, P. A. van der, Start, R. H. J. A., Tio, R. A., Horst, I. C. C. van der, Veldhuisen, D. J. van, Dierckx, R. A., Zijlstra, F. The feasibility of repeated left ventricular ejection fraction analysis with sequential single-dose radionuclide ventriculography. *Nuclear Medicine Communications* 26(8): 711-715, 2005.
- Vogelzang, M., Zijlstra, F., Nijsten, M. W. Design and implementation of GRIP: a computerized glucose control system at a surgical intensive care unit. *BMC Medical Informatics and Decision Making* 5: 38, 2005.
- Voors, A. A., Kam, P. J. de, Berg, M. P. van den, Borghi, C., Hochman, J. S., Veldhuisen, D. J. van, Gilst, W. van. Acute administration of angiotensin converting enzyme inhibitors in thrombolysed myocardial infarction patients is associated with a decreased incidence of heart failure, but an increased re-infarction risk. *Cardiovascular Drugs and Therapy* 19(2): 119-124, 2005.
- Voors, A. A., Terpstra, W. F., Smit, A. J., Beltman, F. W., Vijn, R., Graeff, P. A. de, Veldhuisen, D. J. van. Gender-related differences in left ventricular structural and functional responses to hypertension. *Journal of Human Hypertension* 19(11): 915-917, 2005.
- Voors, A. A., Petrie, C. J., Petrie, M. C., Charlesworth, A., Hillege, H. L., Zijlstra, F., McMurray, J. J., Veldhuisen, D. J. van. Low pulse pressure is independently related to elevated natriuretic peptides and increased mortality in advanced chronic heart failure. *European Heart Journal* 26(17): 1759-1764, 2005.
- Vriend, J. W. J., Drenthen, W., Pieper, P. G., Roos-Hesselink, J. W., Zwinderman, A. H., Veldhuisen, D. J. van, Mulder, B. J. M. Outcome of pregnancy in patients after repair of aortic coarctation. *European Heart Journal* 26(20): 2173-2178, 2005.
- Wagenaar, L. J., Rahel, B. M., Boven, A. J. van, Voors, A. A., Wal, A. C. van der, Plokker, H. W. M., Gilst, W. van. Pre-procedural ACE-activity does not predict symptomatic in-stent restenosis. *International Journal of Cardiology* 103(1): 73-77, 2005.
- Wal, M. H. L. van der, Jaarsma, T., Veldhuisen, D. J. van. Non-compliance in patients with heart failure; how can we manage it? *European Journal of Heart Failure* 7(1): 5-17, 2005.
- Wal, M. H. van der, Jaarsma, T., Moser, D. K., Veldhuisen, D. J. van. Development and testing of the Dutch Heart Failure Knowledge Scale. *European Journal of Cardiovascular Nursing* 4(4): 273-277, 2005.
- Wal, M. H. van der, Jaarsma, T., Voorst, R. van. Psychiatric nurse; member of the HF management team? *European Journal of Cardiovascular Nursing* 4(2): 99-100, 2005.
- Wal, R. M. A. van de, Asselbergs, F. W., Plokker, H. W. T., Smilde, T. D. J., Lok, D., Veldhuisen, D. J. van, Gilst, W. van, Voors, A. A. High prevalence of microalbuminuria in chronic heart failure patients. *Journal of Cardiac Failure* 11(8): 602-606, 2005.
- Wal, R. M. A. van de, Veldhuisen, D. J. van, Gilst, W. van, Voors, A. A. Addition of an angiotensin receptor blocker to full-dose ACE-inhibition: controversial or common sense? *European Heart Journal* 26(22): 2361-2367, 2005.
- Wal, R. M. A. van de, Brussel, B. L. van, Voors, A. A., Smilde, T. D. J., Kelder, J. C., Swieten, H. A. van, Gilst, W. van, Veldhuisen, D. J. van, Plokker, H. W. T. Mild preoperative renal dysfunction as a predictor of longterm clinical outcome after coronary bypass surgery. *Journal of Thoracic and Cardiovascular Surgery* 129(2): 330-335, 2005.
- Westendorp, B., Schoemaker, R. G., Buikema, H., Zeeuw, D. de, Boomsma, F., Gilst, W. van, Veldhuisen, D. J. van. Beneficial effects of add-on hydrochlorothiazide in rats with myocardial infarction optimally treated with quinapril. *European Journal of Heart Failure* 7(7): 1085-1094, 2005.
- Westendorp, B., Schoemaker, R. G., Gilst, W. van, Veldhuisen, D. J. van, Buikema, H. Hydrochlorothiazide increases plasma or tissue angiotensin-converting enzyme-inhibitor drug levels in rats with myocardial infarction: Differential effects on lisinopril and zofenopril. *European Journal of Pharmacology* 527(1-3): 141-149, 2005.
- Westendorp, B., Schoemaker, R. G., Gilst, W. van, Buikema, H. Improvement of EDHF by chronic ACE inhibition declines rapidly after withdrawal in rats with myocardial infarction. *Journal of Cardiovascular Pharmacology* 46(6): 766-772, 2005.
- White, H. D., Aylward, P. E. G., Huang, Z., Dalby, A. J., Weaver, W. D., Barvik, S., Marin-Neto, J. A., Murin, J., Nordlander, R. O., Gilst, W. van, Zannad, F., McMurray, J. J. V., Califf, R. M., Pfeffer, M. A. Mortality and morbidity remain high despite captopril and/or valsartan therapy in elderly patients with left ventricular systolic dysfunction, heart failure, or both after acute myocardial infarction - Results from the Valsartan in Acute Myocardial Infarction Trial (VALIANT). *Circulation* 112(22): 3391-3399, 2005.
- Wiesfeld, A. C. P., Hemels, M. E. W., Tintelen, J. P. van, Berg, M. P. van den, Veldhuisen, D. J. van, Gelder, I. C. van. Genetic aspects of atrial fibrillation. *Cardiovascular Research* 67(3): 414-418, 2005.
- Wijkema, J. S., Vleuten, P. A. van der, Jessurun, G. A. J., Tio, R. A. Long-term safety of intracoronary haemodynamic assessment for deferral of angioplasty in intermediate coronary stenoses: a 5-year follow-up. *Acta Cardiologica* 60(2): 207-211, 2005.
- Wilde, A. A. M., Berg, M. P. van den. Ten years of genes in inherited arrhythmia syndromes: an example of what we have learned from patients, electrocardiograms, and computers. *Journal of Electrocardiology* 38(4): 145-149, 2005.
- Willenheimer, R., Veldhuisen, D. J. van, Silke, B., Erdmann, E., Follath, F., Krum, H., Ponikowski, P., Skene, A., Ven, L. van de, Verkenne, P., Lechat, P. Effect on survival and hospitalization of initiating treatment for chronic heart failure with bisoprolol followed by enalapril, as compared with the opposite sequence - Results of the randomized cardiac insufficiency bisoprolol study (CIBIS) III. *Circulation* 112(16): 2426-2435, 2005.
- Willenheimer, R., Veldhuisen, D. J. van, Ponikowski, P., Lechat, P. Beta-blocker treatment before angiotensin-converting enzyme inhibitor therapy in newly diagnosed heart failure.

Journal of the American College of Cardiology 46(1): 182, 2005.

Wouden, E. A. van der, Henning, R. H., Deelman, L. E., Roks, A. J. M., Boomsma, F., Zeeuw, D. de. Does angiotensin (1-7) contribute to the antiproteinuric effect of ACE-inhibitors? Journal of the Renin - Angiotensin-Aldosterone System 6(2): 96-101, 2005.

Wouterjukema, J., Monraats, P. S., Zwinderman, A. H., Maat, M. P. M. de, Kastelein, J. J. P., Doevendans, P. A. F., Winter, R. J. de, Tio, R. A., Frants, R. R., Laarse, A. van der, Wall, E. E. van der, Jukema, J. W. Metabolic syndrome and risk of restenosis in patients undergoing percutaneous coronary intervention. Diabetes Care 28(4): 873-877, 2005.

Zijlstra, F., Horst, I. C. C. van der. Sudden death in patients with myocardial infarction. New England Journal of Medicine 353(12): 1294-1295, 2005.

Book Contributions/ Proceedings

Stolk, R. P., Grobbee, D. E. Metabolic syndrome in diabetes. In: *Diabetes and cardiovascular diseases*, edited by G. M. C. Rosano, Adis communications, 2005.

INSTITUTE FOR PHARMACOEPIDEMOLOGY AND DRUG POLICY – PEDP

Dissertations

Jansman, F. G. A. Chemotherapy for patients with colorectal cancer. Potential contributions by the clinical pharmacist. (20-5-2005)

Mol, P. G. M. The quest for optimal antimicrobial therapy. (2005)
Haaijer-Ruskamp, F. M., Gans, R. O. B., and Degener, J. E.

Roon, E. N. van. Practice research in the field of rheumatoid arthritis. Focus on leflunomide, parenteral gold and drug-drug interactions. (11-3-2005)

Journal Articles

al Hadithy, A. F. Y., Boer, N. K. H. de, Derijks, L. J. J., Escher, J. C., Mulder, C. J. J., Brouwers, J. R. B. J. Thiopurines in inflammatory bowel disease: pharmacogenetics, therapeutic drug monitoring and clinical recommendations. *Digestive and Liver Disease* 36: 282-97, 2005.

al Hadithy, A. F. Y., Naunton, M., Brouwers, J. R. B. J. Thiopurines for inflammatory bowel disease: role of pharmacogenetics. *Journal of Pharmacy Practice and Research* 35(3): 213-5, 2005.

Atthobari, J., Bos, J. M., Boersma, C., Brouwers, J. R. B. J., Jong-van den Berg, L. T. W. de, Postma, M. J. Adherence of pharmaco-economic studies to national guidelines in the Netherlands. *Pharmacy World & Science* 27: 364-70, 2005.

Boersma, C., Klok, R. M., Bos, J. M., Naunton, M., Berg, P. B. van den, Jong-van den Berg, L. T. W. de, Postma, M. J. Drug costs developments after patent expiry of enalapril, fluoxetine and ranitidine. *Applied Health Economics and Health Policy* 4(3): 191-6, 2005.

Bos, J. M., Postma, M. J., Annemans, L. Discounting health effects in pharmaco-economic evaluations. Current controversies. *Pharmacoeconomics* 23(7): 639-49, 2005.

Brouwer, W. B. F., Niessen, L. W., Postma, M. J., Rutten, F. F. H. Need for differential discounting of costs and health effects in cost effectiveness analyses. *British Medical Association* 331(aug): 446-8, 2005.

Cornel, M. C., Smit, D. J. de, Jong-van den Berg, L. T. W. de. Folic acid- The scientific debate as a base for public health policy. *Reproductive Toxicology* 20: 411-5, 2005.

Duyvendak, M., Naunton, M., Peterson, G. M., Brouwers, J. R. B. J. A pilot study of doctors' beliefs and knowledge on corticosteroid-induced osteoporosis prevention: identifying barriers to improve practice. *The European Journal of Hospital Pharmacy Science* 11(5): 114-20, 2005.

Duyvendak, M., Naunton, M., Kingma, B. J., Brouwers, J. R. B. J. Thalidomide-associated thrombocytopenia. *The Annals of Pharmacotherapy* 39(nov): 1936-9, 2005.

Ehrensberger, U., Vassel-Biergans, A., Dhillon, S., Heide, L., Taxis, K. Evaluation of a British-German postgraduate course in clinical pharmacy. *Pharmacy Education* 5(1): 7-11, 2005.

Faber, A., Jong-van den Berg, L. T. W. de, Netjes, K., Kalverdijk, L., Minderaa, R., Tobi, H. Recruitment of parents and physicians of stimulant-using children via community pharmacies is successful. *Journal of Clinical Epidemiology* 58(10): 1072-1073, 2005.

Faber, A., Jong-van den Berg, L. T. W. de, Berg, P. B. van den, Tobi, H. Psychotropic Co-Medication among Stimulant-Treated Children in the Netherlands. *Journal of Child and Adolescent Psychopharmacology* 15(1): 38-43, 2005.

Faber, A., Bouvy, M. L., Loskamp, L., Berg, P. B. van de, Egberts, A. C. G., Jong-van den Berg, L. T. W. de. Dramatic change in prescribing of hormone replacement therapy in the Netherlands after publications of the million women study: a follow-up study. *British Journal of Clinical Pharmacology* 60(6): 641-647, 2005.

Fokkema, M. R., Meijer, W. M., Jong-van den Berg, L. T. W. de. Benefits and concerns regarding folic-acid fortification. *Ned Tijdschr Klin Chem Labgeneesk* 30(3): 218-23, 2005.

Greving, J. P., Denig, P., Veen, W. J. van der, Beltman, F. W., Sturkenboom, M. C. J. M., Zeeuw, D. de, Haaijer-Ruskamp, F. M. Uptake of angiotensin II receptor blockers in the treatment of hypertension. *European Journal of Clinical Pharmacology* 61(5-6): 461-466, 2005.

Grootheest, A. C. van, Jong-van den Berg, L. T. W. de. The role of hospital and community pharmacists in pharmacovigilance. *Research in Social and Administrative Pharmacy* 1(126): 33, 2005.

Hoven, J. L., Haaijer-Ruskamp, F. M., Vander Stichele, R. H. Indicators of prescribing quality in drug utilisation research: report of a European meeting (DURQUIM, 13-15 May 2004). *European Journal of Clinical Pharmacology* 60(11): 831-834, 2005.

Hulst, M. van, Bilgin, Y. M., Watering, L. M. G. van de, Vries, R. de, Oers, M. H. J. van, Postma, M. J. Cost-effectiveness of leucocyte-depleted erythrocyte transfusion in cardiac valve surgery. *Transfusion Medicine* 15(3): 209-217, 2005.

Jaarsma, T., Haaijer-Ruskamp, F. M., Sturm, H., Veldhuisen, D. J. van. Management of heart failure in the Netherlands. *European Journal of Heart Failure* 7(3): 371-375, 2005.

Jansman, F. G. A., Jansen, A. J. A., Coenen, J. L. L., Graaf, J. C. de, Smit, W. M., Sleijfer, D. T., Brouwers, J. R. B. Assessing the clinical significance of drug interactions with fluorouracil in patients with colorectal cancer. *American Journal of Health - System Pharmacy* 62(17): 1788-1793, 2005.

Jansman, F. G. A., Idzinga, F. S. F., Smit, W. M., Graaf, J. C. de, Coenen, J. L. L. M., Sleijfer, D. T., Brouwers, J. R. B. J. Classification and occurrence of clinically significant drug interactions with irinotecan and oxaliplatin in patients with metastatic colorectal cancer. *Clinical Therapeutics* 27(3): 327-335, 2005.

Jong-van den Berg, L. T. W. de, Hernandez-Diaz, S., Werler, M. M., Louik, C., Mitchell, A. A. Trends and predictors of folic acid awareness and periconceptional use in pregnant women. *American Journal of Obstetrics and Gynecology* 192: 121-8, 2005.

- Jong, J. C. F. de, Brouwers, J. R. B. J., Jong-van den Berg, L. T. W. de. Combined use of NSAIDs and SSRIs increases the risk for gastrointestinal adverse effects. *British Journal of Clinical Pharmacology* 59(1): 119-(letter), 2005.
- Kasje, W. N., Denig, P., Graeff, P. A. de, Haaijer-Ruskamp, F. M. Perceived barriers for treatment of chronic heart failure in general practice; are they affecting performance? *BMC Family Practice* 6(1): 19, 3-5-2005.
- Kasje, W. N., Denig, P., Stewart, R. E., Graeff, P. A. de, Haaijer-Ruskamp, F. M. Physician, organisational and patient characteristics explaining the use of angiotensin converting enzyme inhibitors in heart failure treatment: a multilevel study. *European Journal of Clinical Pharmacology* 61(2): 145-151, 2005.
- Klok, R. M., Arents, N. L. A., Vries, R. de, Thijs, J. C., Brouwers, J. R. B. J., Kleibeuker, J. H., Postma, M. J. Economic evaluation of a randomized trial comparing *Helicobacter pylori* test-and-treat and prompt endoscopy strategies for managing dyspepsia in a primary-care setting. *Clinical Therapeutics* 27(10): 1647-1657, 2005.
- Klok, R. M., Postma, M. J., Hout, B. A. van, Brouwers, J. R. B. J. All proton pump inhibitors are equivalent for treatment of GERD. *Cleveland Clinical Journal of Medicine* 72(12): 1100, 2005.
- Klok, R. M., Brouwer, W. B. F., Annemans, L. J. P., Bos, J. M., Postma, M. J. Towards a healthier discount procedure. *Expert Reviews Pharmacoeconomics Outcomes research* 5(1): 59-63, 2005.
- Meijer, W. M., Walle, H. E. K. de, Kerstjens-Frederikse, W. S., Jong-van den Berg, L. T. W. de. Folic acid sensitive birth defects in association with intrauterine exposure to folic acid antagonists. *Reproductive Toxicology* 20(2): 203-207, 2005.
- Meijer, W. M., Smit, D. J. de, Jurgens, R. A., Jong-van den Berg, L. T. W. de. Improved periconceptional use of folic acid after patient education in pharmacies: promising results of a pilot study in the Netherlands. *International Journal of Pharmacy Practice (IJPP)* 13: 47-51, 2005.
- Mol, P. G. M., Gans, R. O. B., Panday, P. V. N., Degener, J. E., Laseur, M., Haaijer-Ruskamp, F. M. Reliability of assessment of adherence to an antimicrobial treatment guideline. *Journal of Hospital Infection* 60(4): 321-328, 2005.
- Mol, P. G. M., Wieringa, J. E., NannanPanday, P. V., Gans, R. O. B., Degener, J. E., Laseur, M., Haaijer-Ruskamp, F. M. Improving compliance with hospital antibiotic guidelines: a time-series intervention analysis. *Journal of Antimicrobial Chemotherapy* 55(4): 550-557, 2005.
- Niessen, W. J., Stewart, R. E., Broer, J., Haaijer-Ruskamp, F. M. Vermindering van gebruik van benzodiazepinen door een brief van de eigen huisarts aan chronische gebruikers. [Reduction in the consumption of benzodiazepines due to a letter to chronic users from their own general practitioner]. *Nederlands Tijdschrift Voor Geneeskunde* 149(7): 356-361, 12-2-2005.
- Postma, M. J., Hulst, M. van, Wolf, J. T. M. de, Botteman, M., Staginnus, U. Cost-effectiveness of pathogen inactivation for platelet transfusions in the Netherlands. *Transfusion Medicine* 15(5): 379-387, 2005.
- Postma, M. J. Oseltamivir economisch gunstig bij risicopatiënten. *Pharmaceutisch Weekblad* 140(24): 816-8, 2005.
- Postma, M. J., Jansema, P., Scheijbeler, H. W. K. F. H., Genugten, M. L. L. van. Scenarios on costs and savings of influenza treatment and prevention for Dutch healthy working adults. *Vaccine* 23(june): 5365-71, 2005.
- Raz, R., Edelstein, H., Grigoryan, L., Haaijer-Ruskamp, F. M. Self-medication with antibiotics by a population in northern Israel. *Israel Medical Association Journal* 7(11): 722-725, 2005.
- Reinders, M. K., Roon, E. N. van, Brouwers, J. R. B. J., Jansen, T. L. Th. A. A costly therapeutic dilemma in tophaceous gout: is etanercept or rasburicase preferable? *Ann Rheum Dis* 64: 516-(letter), 2005.
- Rijcken, C. A. W., Knegtering, H., Bruggeman, R., Tobi, H., Jong-van den Berg, L. T. W. de. Sex differences in concomitant medication with benzodiazepines or antidepressants in first-break schizophrenic patients treated with antipsychotic medication. *Psychiatry Research* 134(2): 143-150, 2005.
- Roon, E. N. van, Jansen, T. L. T. A., Laar, M. A. F. J. van de, Yska, J. P., Keuper, R., Houtman, P. M., Brouwers, J. R. B. J. Therapeutic drug monitoring of A77 1726, the active metabolite of leflunomide: serum concentrations predict response to treatment in patients with rheumatoid arthritis. *Ann Rheum Dis* 64: 569-74, 2005.
- Roon, E. N. van, Hoekstra, M., Tobi, H., Jansen, T. L. T. A., Bernelot Moens, H. J., Brouwers, J. R. B. J., Laar, M. A. F. J. van de. Leflunomide in the treatment of rheumatoid arthritis. An analysis of predictors for treatment continuation. *British Journal of Clinical Pharmacology* 60(3): 319-25, 2005.
- Roon, E. N. van, Flikweert, S., Le Comte, M., Langendijk, P. J. N., Kwee-Zuiderdijk, W. J. M., Smits, P., Brouwers, J. R. B. J. Clinical relevance of drug-drug interactions. *Drug Safety* 28(12): 1131-9, 2005.
- Sturm, H. B., Gilst, W. van, Swedberg, K., Hobbs, F. D. R., Haaijer-Ruskamp, F. M. Heart failure guidelines and prescribing in primary care across Europe. *Bmc Health Services Research* 5: 57-?, 2005.
- Stuurman-Bieze, A. G. G., Kokenberg, M. E. A. P., Tobi, H., Boer, W. O. de, Doormaal, J. E. van, Jong-van den Berg, L. T. W. de, Tromp, Th. F. J. Complex pharmaceutical care intervention in pulmonary care. Part B. Patient opinion and process survey. *Pharmacy World & Science* 27: 385-92, 2005.
- Stuurman-Bieze, A. G. G., Boer, O. de, Kokenberg, M. E. A. P., Hugtenburg, J. G., Jong-van den Berg, L. T. W. de, Tromp, Th. F. J. Complex pharmaceutical care intervention in pulmonary care. Part A. The process and pharmacists' professional satisfaction. *Pharmacy World & Science* 27: 376-84, 2005.
- Taxis, K. Who is responsible for the safety of infusion devices? It's high time for action! *Quality Safety Health Care* 14: 76 (letter), 2005.
- Tobi, H., Scheers, T., Netjes, K. A., Mulder, E. J., Bildt, A. de, Minderaa, R. B. Drug utilisation by children and adolescents with mental retardation: a population study. *European Journal of Clinical Pharmacology* 61(4): 297-302, 2005.
- Tobi, H., Berg, P. B. van den, Jong-van den Berg, L. T. W. de. Small proportions: what to report for confidence intervals? *Pharmacoepidemiology and Drug Safety* 14: 239-47, 2005.
- Veurink, M., Koster, M., Jong-van den Berg, L. T. W. de. The history of DES, lessons to be learned. *Pharmacy World & Science* 27: 139-43, 2005.

Vroom, F., Jong, P. H. de, Berg, P. B. van den, Tobi, H., Jong-van den Berg, L. T. W. de. Gebruik van orale conceptiva in de jaren 1994-2002: wel anders, niet minder. *Nederlands Tijdschrift Geneeskunde* 149(1): 23-8, 2005.

Welte, R., Trotter, C. L., Edmunds, W. J., Postma, M. J., Beutels, P. H. The role of economic evaluation in vaccine decision making. *Pharmacoeconomics* 23(9): 855-74, 2005.

Welte, R., Postma, M. J., Leidl, R., Kretzschmar, M. Costs and effects of chlamydia screening: dynamic versus static modeling. *Sexually Transmitted Diseases* 32(8): 474-83, 2005.

Wilffert, B., Zaal, R., Brouwers, J. R. B. J. Pharmacogenetics as a tool in the therapy of schizophrenia. *Pharmacy World & Science* 27: 20-30, 2005.

Wiltink, I., Movig, K. L., Moolenaar, M., Hekster, Y. A., Brouwers, J. R., Heerdink, E. R., Nolen, W. A., Egberts, A. C. Drug-drug interactions as a determinant of elevated lithium serum levels in daily clinical practice. *Bipolar Disorders* 7(3): 274-280, 2005.

Book Contributions/ Proceedings

Buurma, H. J. Beudeker, L. T. W. de Jong-van den Berg, and H. G. M. Leufkens. *Het geneesmiddel*, Maarssen: Elsevier, 2005.

Haaijer-Ruskamp, F. M., Denig, P. Voorschrijven van Geneesmiddelen. In: *Het geneesmiddel*, edited by H. Buurma, L. T. W. de Jong-van den Berg, and H. G. M. Leufkens, Maarssen: Elsevier Gezondheidszorg, 2005, p. 126-143.

Jong-van den Berg, L. T. W. de, Smit, D. J. de. Communicatie. In: *Het geneesmiddel*, edited by H. Buurma, H. J. Beudeker, L. T. W. de Jong-van den Berg, and H. G. M. Leufkens, Maarssen: Elsevier, 2005, p. 188-210.

Luijn, J. C. F. van, Postma, M. J. Regulering van de vraag naar geneesmiddelen. In: *Het geneesmiddel*, edited by H. Buurma, H. J. Beudeker, L. T. W. de Jong-van den Berg, and H. G. M. Leufkens, Maarssen: Elsevier, 2005, p. 86-105.

Vries, C. S. de, Jong-van den Berg, L. T. W. de. Spontane rapportage en farmaco-epidemiologie. In: *Het geneesmiddel*, edited by H. Buurma, H. J. Beudeker, L. T. W. de Jong-van den Berg, and H. G. M. Leufkens, Maarssen: Elsevier, 2005, p. 212-29.

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Dissertations

- Flapper, B. C. T. Assessment of quality of life in children with asthma and developmental coordination disorder: consequences for paediatric practice. (2005) Sauer, P. J. J., Postema, K., Duiverman, E. J., and Schans, C. P. van der
- Oostendorp, J. Beta-adrenergic receptor regulation and airway inflammation. (2005) Meurs, H., Zaagsma, J., and Postma, D. S.
- Willemse, B. W. M. Smoking cessation in chronic obstructive pulmonary disease. (2005) Timens, W., Postma, D. S., and Hacken, N. H. T. ten

Journal Articles

- Arnold, R., Ranchor, A. V., Koeter, G. H., Jongste, M. J. L. de, Sanderman, R. Consequences of chronic obstructive pulmonary disease and chronic heart failure: The relationship between objective and subjective health. *Social Science & Medicine* 61(10): 2144-2154, 2005.
- Arnold, R., Ranchor, A. V., Jongste, M. J. L. de, Koeter, G. H., Hacken, N. H. T. ten, Aalbers, R., Sanderman, R. The relationship between self-efficacy and self-reported physical functioning in chronic obstructive pulmonary disease and chronic heart failure. *Behavioral Medicine* 31(3): 107-115, 2005.
- Berg, A. van den, Kuiper, M., Snoek, M., Timens, W., Postma, D. S., Jansen, H. M., Lutter, R. Interleukin-17 induces hyperresponsive interleukin-8 and interleukin-6 production to tumor necrosis factor-alpha in structural lung cells. *American Journal of Respiratory Cell and Molecular Biology* 33(1): 97-104, 2005.
- Boezen, H. M., Vonk, J. M., Zee, S. C. van der, Gerritsen, J., Hoek, G., Brunekreef, B., Schouten, J. P., Postma, D. S. Susceptibility to air pollution in elderly males and females. *European Respiratory Journal* 25(6): 1018-1024, 2005.
- Boterman, M., Elzinga, C. R. S., Wagemakers, D., Eppens, P. B., Zaagsma, J., Meurs, H. Potentiation of β -adrenoceptor function in bovine tracheal smooth muscle by inhibition of protein kinase C. *European Journal of Pharmacology* 516: 85-92, 2005.
- Bottema, R. W., Reijmerink, N. E., Koppelman, G. H., Kerkhof, M., Postma, D. S. Phenotype definition, age, and gender in the genetics of asthma and atopy. *Immunology and Allergy Clinics of North America* 25(4): 621-639, 2005.
- Brouwer, M. L., Duiverman, E. J. Asthma in young children: The type of wheeze determines the treatment. *Pharmaceutisch Weekblad* 140(40): 1263-1265, 2005.
- Brussee, J. E., Smit, H. A., Strien, R. T. van, Corver, K., Kerkhof, M., Wijga, A. H., Aalberse, R. C., Postma, D., Gerritsen, J., Grobbee, D. E., Jongste, J. C. de, Brunekreef, B. Allergen exposure in infancy and the development of sensitization, wheeze, and asthma at 4 years. *Journal of Allergy and Clinical Immunology* 115(5): 946-952, 2005.
- Brussee, J. E., Smit, H. A., Kerkhof, M., Koopman, L. P., Wijga, A. H., Postma, D. S., Gerritsen, J., Grobbee, D. E., Brunekreef, B., Jongste, J. C. de. Exhaled nitric oxide in 4-year-old children: relationship with asthma and atopy. *European Respiratory Journal* 25(3): 455-461, 2005.
- Chinn, S., Jarvis, D., Luczynska, C. M., Ackermann-Liebrich, U., Anto, J. M., Cerveri, I., Marco, R. de, Gislason, T., Heinrich, J., Janson, C., Kunzli, N., Leynaert, N., Neukirch, F. O., Schouten, J. P., Sunyer, J., Svanes, C., Wjst, M., Burney, P. G. An increase in bronchial responsiveness is associated with continuing or restarting smoking. *American Journal of Respiratory and Critical Care Medicine* 172(8): 956-961, 2005.
- Chinn, S., Schouten, J. P. Reproducibility of non-specific bronchial challenge in adults: implications for design, analysis and interpretation of clinical and epidemiological studies. *Thorax* 60(5): 395-400, 2005.
- Chinn, S., Jarvis, D., Melotti, R., Luczynska, C., Ackermann-Liebrich, U., Anto, J. M., Cerveri, I., Marco, R. de, Gislason, T., Heinrich, J., Janson, C., Kunzli, N., Leynaert, N., Neukirch, F., Schouten, J., Sunyer, J., Svanes, C., Vermeire, P., Wjst, M., Burney, P. Smoking cessation, lung function, and weight gain: a follow-up study. *Lancet* 365(9471): 1629-1635, 2005.
- Deen, M. van der, Vries, E. G. E. de, Timens, W., Scheper, R. J., Timmer-Bosscha, H., Postma, D. S. ATP-binding cassette (ABC) transporters in normal and pathological lung. *Respiratory Research* 6(1): 59, 2005.
- Demuth, D. G., Gkoumassi, E., Droge, M. J., Dekkers, B. G. J., Esselink, H. J., Ree, R. M. van, Parsons, M. E., Zaagsma, J., Molleman, A., Nelemans, S. A. D. Arachidonic acid mediates non-capacitative calcium entry evoked by CB1-cannabinoid receptor activation in DDT1 MF-2 smooth muscle cells. *Journal of Cellular Physiology* 205(1): 58-67, 2005.
- Diamant, Z., Molen, T. van der. Treating asthma: is there a place for leukotriene receptor antagonists? *Respiratory Medicine* 99(6): 655-662, 2005.
- Diemen, C. C. van, Postma, D. S., Vonk, J. M., Bruinenberg, M., Schouten, J. P., Boezen, H. M. A disintegrin and metalloprotease 33 polymorphisms and lung function decline in the general population. *American Journal of Respiratory and Critical Care Medicine* 172(3): 329-333, 2005.
- Gauvreau, G. M., Boulet, L. P., Postma, D. S., Kawayama, T., Watson, R. M., Duong, M., Deschesnes, F., Monchy, J. G. R. de, O'Byrne, P. M. Effect of low-dose ciclesonide on allergen-induced responses in subjects with mild allergic asthma. *Journal of Allergy and Clinical Immunology* 116(2): 285-291, 2005.
- Goedhart, D. M., Zanen, P., Kerstjens, H. A. M., Lammers, J. W. J. Discriminating asthma and COPD based on bronchodilator data: an improvement of the methods. *Physiological Measurement* 26(6): 1115-1123, 2005.
- Gosens, R., Bos, I. S., Zaagsma, J., Meurs, H. Protective effects of tiotropium bromide in the progression of airway smooth muscle remodeling. *American Journal of Respiratory and Critical Care Medicine* 171(10): 1096-1102, 2005.

- Hacken, N. H. T. ten, Postma, D. S. Impact of smoking cessation on morbidity in COPD. *International Journal of Respiratory Care* 1: 57-62, 2005.
- Hacken, N. H. T. ten, Kerstjens, H. A. M., Postma, D. S. Bronchiectasis. *Clinical Evidence Concise* 14: 480-481, 2005.
- Heijink, I. H., Vellenga, E., Oostendorp, J., Monchy, J. G. R. de, Postma, D. S., Kauffman, H. F. Exposure to TARC alters beta(2)-adrenergic receptor signaling in human peripheral blood T lymphocytes. *American Journal of Physiology - Lung Cellular and Molecular Physiology* 289(1): L53-L59, 2005.
- Heijink, I. H., Oosterhout, A. J. M. van. Targeting T cells for asthma. *Current Opinion in Pharmacology* 5(3): 227-231, 2005.
- Jongepier, H., Koppelman, G. H., Nolte, I. M., Bruinenberg, M., Bleecker, E. R., Meyers, D. A., Meerman, G. J. T., Postma, D. S. Polymorphisms in SPINK5 are not associated with asthma in a Dutch population. *Journal of Allergy and Clinical Immunology* 115(3): 486-492, 2005.
- Kerkhof, M., Wijga, A., Smit, H. A., Jongste, J. C. de, Aalberse, R. C., Brunekreef, B., Gerritsen, J., Postma, D. S. The effect of prenatal exposure on total IgE at birth and sensitization at twelve months and four years of age: The PIAMA study. *Pediatric Allergy and Immunology* 16(1): 10-18, 2005.
- Kerstjens, H., Postma, D., Hacken, N. ten. Chronic obstructive pulmonary disease. *Clinical Evidence* (13): 1923-1947, 2005.
- Kerstjens, H. A. M., Postma, D. S., Hacken, N. H. T. ten. Chronic obstructive pulmonary disease. *Clinical Evidence Concise* 14: 482-485, 2005.
- Kraneveld, A. D., Kool, M., Houwelingen, A. H. van, Roholl, P., Solomon, A., Postma, D. S., Nijkamp, F. P., Redegeld, F. A. Elicitation of allergic asthma by immunoglobulin free light chains. *Proceedings of the National Academy of Sciences of the United States of America* 102(5): 1578-1583, 2005.
- Kuldo, J. M., Westra, J., Asgeirsdottir, S. A., Kok, R. J., Oosterhuis, K., Rots, M. G., Schouten, J. P., Limburg, P. C., Molema, G. Differential effects of NF-kappa B and p38 MAPK inhibitors and combinations thereof on TNF-alpha- and IL-1 beta-induced proinflammatory status of endothelial cells in vitro. *American Journal of Physiology - Cell Physiology* 289(5): C1229-C1239, 2005.
- Landstra, A. M., Kauffman, H. F., Boezen, H. M., Alderen, W. M. C. van, Zonderland, J., Postma, D. S. The influence of intravenous hydrocortisone on cytokine levels in children with asthma. *Pediatric Allergy and Immunology* 16(4): 299-305, 2005.
- Maarsingh, H., Tio, M. A., Zaagsma, J., Meurs, H. Arginase attenuates inhibitory nonadrenergic noncholinergic nerve-induced nitric oxide generation and airway smooth muscle relaxation. *Respiratory Research* 6: 23, 2005.
- Melgert, B. N., Postma, D. S., Kuipers, I., Geerlings, M., Luinge, M. A., Strate, B. W. A. van der, Kerstjens, H. A. M., Timens, W., Hylkema, M. N. Female mice are more susceptible to the development of allergic airway inflammation than male mice. *Clinical and Experimental Allergy* 35(11): 1496-1503, 2005.
- Meyers, D. A., Postma, D. S., Stine, O. C., Koppelman, G. H., Ampleford, E. J., Jongepier, H., Howard, T. D., Bleecker, E. R. Genome screen for asthma and bronchial hyperresponsiveness: Interactions with passive smoke exposure. *Journal of Allergy and Clinical Immunology* 115(6): 1169-1175, 2005.
- Nicolae, D., Cox, N. J., Lester, L. A., Schneider, D., Tan, Z., Billstrand, C., Kuldane, S., Donfack, J., Kogut, P., Patel, N. M., Goodenbour, J., Howard, T., Wolf, R., Koppelman, G. H., White, S. R., Parry, R., Postma, D. S., Meyers, D., Bleecker, E. R., Hunt, J. S., Solway, J., Ober, C. Fine mapping and positional candidate studies identify HLA-G as an asthma susceptibility gene on chromosome 6p21. *American Journal of Human Genetics* 76(2): 349-357, 2005.
- Noordhoek, J. A., Postma, D. S., Chong, L. L., Menkema, L., Kauffman, H. F., Timens, W., Straaten, J. F. M. van, Geld, Y. M. van der. Different modulation of decorin production by lung fibroblasts from patients with mild and severe emphysema. *COPD: Journal of Chronic Obstructive Pulmonary Disease* 2(1): 17-25, 2005.
- Oostendorp, J., Postma, D. S., Volders, H., Jongepier, H., Kauffman, H. F., Boezen, H. M., Meyers, D. A., Bleecker, E. R., Nelemans, S. A., Zaagsma, J., Meurs, H. Differential desensitization of homozygous haplotypes of the beta(2)-adrenergic receptor in lymphocytes. *American Journal of Respiratory and Critical Care Medicine* 172(3): 322-328, 2005.
- Oosterhout, A. J. M. van, Bloksma, N. Regulatory T-lymphocytes in asthma. *European Respiratory Journal* 26(5): 918-932, 2005.
- Oosterhout, A. J. M. van, Motta, A. C. Th1/Th2 paradigm: not seeing the forest for the trees? *European Respiratory Journal* 25(4): 591-593, 2005.
- Peretz, C., Pater, N. de, Monchy, J. de, Oostenbrink, J., Heederik, D. Assessment of exposure to wheat flour and the shape of its relationship with specific sensitization. *Scandinavian Journal of Work Environment & Health* 31(1): 65-74, 2005.
- Postma, D. S., Meyers, D. A., Jongepier, H., Howard, T. D., Koppelman, G. H., Bleecker, E. R. Genomewide screen for pulmonary function in 200 families ascertained for asthma. *American Journal of Respiratory and Critical Care Medicine* 172(4): 446-452, 2005.
- Postma, D. S., Koppelman, G. H. Confirmation of GPRA - A putative drug target for asthma. *American Journal of Respiratory and Critical Care Medicine* 171(12): 1323-1324, 2005.
- Postma, D. S., Timens, W. Astma en COPD: van laboratorium naar praktijk. *Nederlands Tijdschrift Geneeskunde* 19: 640-643, 2005.
- Price, D., Freeman, D., Kaplan, A., Ostrem, A., Reid, J., Molen, T. Progressive breathlessness in COPD - The role of hyperinflation and its pharmacological management. *Primary Care Respiratory Journal* 14(6): 285-293, 2005.
- Ricciardolo, F. L., Zaagsma, J., Meurs, H. The therapeutic potential of drugs targeting the arginase pathway in asthma. *Exp. Opin. Investig. Drugs* 14(10): 1221-1231, 2005.
- Rottier, B. L., Cohen, J., Mark, T. W. van der, Douma, W. R., Duiverman, E. J., Hacken, N. H. T. ten. A different analysis applied to a mathematical model on output of exhaled nitric oxide. *Journal of Applied Physiology* 99(1): 378-379, 2005.
- Samoli, E., Analitis, A., Touloumi, G., Schwartz, J., Anderson, H. R., Sunyer, J., Bisanti, L., Zmirou, D., Vonk, J. M., Pekkanen, J., Goodman, P., Paldy, A., Schindler, C., Katsouyanni, K. Estimating the exposure-response relationships between

- particulate matter and mortality within the APHEA multicity project. *Environmental Health Perspectives* 113(1): 88-95, 2005.
- Schaafsma, D., Gosens, R., Bos, I. S. T., Meurs, H., Zaagsma, J., Nelemans, S. A. Role of contractile prostanoids and Rho-kinase in growth factor-induced airway smooth muscle contraction. *Respiratory Research* 6(1): 85, 2005.
- Sin, D. D., Wu, L., Anderson, J. A., Anthonisen, N. R., Buist, A. S., Burge, P. S., Calverley, P. M., Connett, J. E., Lindmark, B., Pauwels, R. A., Postma, D. S., Soriano, J. B., Szafranski, W., Vestbo, J. Inhaled corticosteroids and mortality in chronic obstructive pulmonary disease. *Thorax* 60(12): 992-997, 2005.
- Terreehorst, I., Duivenvoorden, H. J., Tempels-Pavlica, Z., Oosting, A. J., Monchy, J. G. R. de, Bruijnzeel-Koomen, C. A. F. M., Wijk, R. G. van. The effect of encasings on quality of life in adult house dust mite allergic patients with rhinitis, asthma and/or atopic dermatitis. *Allergy* 60(7): 888-893, 2005.
- Ulrik, C. S., Postma, D. S., Backer, V. Recognition of asthma in adolescents and young adults: Which objective measure is best? *Journal of Asthma* 42(7): 549-554, 2005.
- Vaart, H. van der, Postma, D. S., Timens, W., Hylkema, M. N., Willemse, B. W. M., Boezen, H. M., Vonk, J. M., Reus, D. M. de, Kauffman, H. F., Hacken, N. H. T. ten. Acute effects of cigarette smoking on inflammation in healthy intermittent smokers. *Respiratory Research* 6(1): 22, 2005.
- Vaart, H. van der, Koeter, G. H., Postma, D. S., Kauffman, H. F., Hacken, N. H. T. ten. First study of infliximab treatment in patients with chronic obstructive pulmonary disease. *American Journal of Respiratory and Critical Care Medicine* 172(4): 465-469, 2005.
- Vissers, J. L. M., Esch, B. C. A. M. van, Hofman, G. A., Oosterhout, A. J. M. van. Macrophages induce and long-term suppression in a mouse asthma model. *European Respiratory Journal* 26(6): 1040-1046, 2005.
- Vlieg-Boerstra, B. J., Heide, S. van der, Elberink, J. N. G. O., Kluin-Nelemans, J. C., Dubois, A. E. J. Mastocytosis and adverse reactions to biogenic amines and histamine-releasing foods: what is the evidence? *Netherlands Journal of Medicine* 63(7): 244-249, 2005.
- Vries, T. W. de, Duiverman, E. J., Rottier, B. L. When the treatment in children with asthma fails: first other reasons should be sought before prescribing more medication. *Ned. Tijdschr. Geneesk.* 149(4): 161-164, 22-1-2005.
- Vrijlandt, E. J. L. E., Gerritsen, J., Boezen, H. M., Duiverman, E. J. Gender differences in respiratory symptoms in 19-year-old adults born preterm. *Respiratory Research* 6: 117, 2005.
- Watson, L., Kerstjens, H. A. M., Rabe, K. F., Kiri, V., Visick, G. T., Postma, D. S. Obtaining optimal control in mild asthma: theory and practice. *Family Practice* 22(3): 305-310, 2005.
- Westerhof, F. J., Zuidhof, A. B., Kok, L., Meurs, H., Zaagsma, J. Effects of salbutamol and enantiomers on allergen-induced asthmatic reactions and airway hyperreactivity. *European Respiratory Journal* 25(5): 864-872, 2005.
- Willemse, B., Lesman-Leegte, I., Timens, W., Postma, D. J., Hacken, N. ten. High cessation rates of cigarette smoking in subjects with and without COPD. *Chest* 128(5): 3685-3687, 2005.
- Willemse, B. W. M., Hacken, N. H. T. ten, Rutgers, B., Lesman-Leegte, I. G. A. T., Postma, D. S., Timens, W. Effect of 1-year smoking cessation on airway inflammation in COPD and asymptomatic smokers. *European Respiratory Journal* 26(5): 835-845, 2005.
- Willemse, B. W. M., Hacken, N. H. T. ten, Rutgers, B., Postma, D. S., Timens, W. Association of current smoking with airway inflammation in chronic obstructive pulmonary disease and asymptomatic smokers. *Respiratory Research* 6(1): 38, 2005.
- Wouda, H. J. van der, Zaagsma, J., Postma, D. S., Winter, T. H., Hulst, M. van, Aalbers, R. Detrimental effects of beta-blockers in COPD - A concern for nonselective beta-blockers. *Chest* 127(3): 818-824, 2005.
- Wouters, E. F. M., Postma, D. S., Fokkens, B., Hop, W. C. J., Prins, J., Kuipers, A. F., Pasma, H. R., Hensing, C. A. J., Creutzberg, E. C. Withdrawal of fluticasone propionate from combined salmeterol/fluticasone treatment in patients with COPD causes immediate and sustained disease deterioration: a randomised controlled trial. *Thorax* 60(6): 480-487, 2005.
- Yawn, B. P., Molen, T. van der, Humbert, M. Asthma management: Are GINA guidelines appropriate for daily clinical practice? *Primary Care Respiratory Journal* 14(6): 294-302, 2005.
- Zaagsma, J., Aalbers, R., Molen, T. van der. Combination of beta2-agonists and corticosteroids offers perspectives in asthma treatment. *Pharmaceutisch Weekblad* 140(40): 1252-1255, 1-1-2005.
- Zaagsma, J., Aalbers, R., Molen, T. van der. Combinatie therapie: meer dan de som der delen. *Pharmaceutisch Weekblad* 40: 1252-1255, 2005.

Book Contributions/ Proceedings

- Brouwer, M. L., Dubois, A. E. J., Gerritsen, J., Kooi, E. M., Rottier, B. L., Vrijlandt, E. J. L. E. Long en luchtwegaandoeningen bij kinderen. In: *Capita Selecta*, van Zuiden Communications BV, 2005.
- Calverley, P. M. A., Postma, D. S. Anti-inflammatory therapy. In: *Chronic Obstructive Pulmonary Disease Second Edition*, edited by P. M. A. Calverley, W. MacNee, N. B. Pride, and S. I. Rennard, Arnold, 2005, p. 377-389.
- Kauffman, H. F., Heijink, H. I. Airway remodeling in fungal allergy. In: *Mold allergy, biology and pathogenesis*, India: Research Signpost, 2005, p. 237-255.
- Koeter, G. H., Postma, D. S., Groen, H. J. M., Minnen, C. A. van. Longziekten. In: *Interne Geneeskunde*, edited by J. van der Meer and C. D. A. Stehouwer, Houten: Bohn Stafleu van Loghum, 2005, p. 451-527.
- McKay, S., Oosterhout, A. J. M. van. Anti-allergic drugs. Basel: Birkhauser Verlag, 2005, p. 265-278.
- Parker, C. M., O'Donnel, D. E. Essentials of COPD. Issue 5. edited by P. J. Barnes and D. S. Postma, Van Zuiden Communications B.V., 2005.
- Postma, D. S. Astma. In: *Het allergie formularium*, Houten: Bohn Stafleu van Loghum, 2005, p. 61-88.

- Postma, D. S. Genetica. Van gen naar therapie op maat. In: *Astma, tien gesprekken met experts over preventie en behandeling*, edited by Y. H. M. Oeben-Baesjou, Mark Two Communications bv, 2005, p. 25-31.
- Postma, D. S. Wat is 'nachtelijk astma' en hoe kan het worden behandeld? In: *Vademecum De meest gestelde vragen over astma*, Houten: Bohn Stafleu van Loghum, 2006, p. 20-22.
- Timens, W. Problematic diagnosis in interstitial lung disease. In: *Update in pathology 2005*, European Society of Pathology, Société Française de Pathologie, 2005, p. 372-374.
- Westerink, B. H. C., Zaagsma, J. Nicotine en het centrale zenuwstelsel. In: *Tabaksgebruik: gevolgen en bestrijding*, edited by H. Knol, C. Hilvering, D. J. Th. Wagener, and M. C. Willemsen, Utrecht: Lemma B.V., 2005, p. 70-76.
- Zijlstra, F. J., Zaagsma, J. Farmacologie van nicotine. In: *Tabaksgebruik: gevolgen en bestrijding*, edited by H. Knol, C. Hilvering, D. J. Th. Wagener, and M. C. Willemsen, Utrecht: Lemma, 2005, p. 65-70.

CENTER FOR LIVER, DIGESTIVE AND METABOLIC DISEASES - CLDS

Dissertations

Bartsch, M. Targeted in vivo delivery of nucleic acids by lipid-based carriers. (2005) Scherphof, G. L. and Meijer, D. K. F.

Plass, J. R. M. Function and regulation of the human bile salt export pump. (2005) Jansen, P. L. M and Faber, K. N.

Werner, A. Essential fatty acid absorption and metabolism in hepatic disorders. (2005) Kuipers, F. and Verkade, H. J.

Yan, X. Liposome-hepatocyte interactions : the role of plasma proteins. (2005) Scherphof, G. L. and Poelstra, K.

Journal Articles

Adrian, J., Poelstra, K., Scherphof, G. L., Molema, G., Meijer, D. K. F., Reker-Smit, C., Morselt, H. W. M., Kamps, J. A. A. M. Interaction of targeted liposomes with primary cultured hepatic stellate cells: involvement of multiple receptor systems. *Journal of Hepatology* 2005.

Bartsch, M., Weeke-Klimp, A. H., Meijer, D. K. F., Scherphof, G. L., Kamps, J. A. A. M. Cell-specific targeting of lipid-based carriers for ODN and DNA. *Journal of Liposome Research* 15(1-2): 59-92, 2005.

Bartsch, M., Weeke-Klimp, A. H., Morselt, H. W. M., Kimpfler, A., Asgeirsdottir, S. A., Schubert, R., Meijer, D. K. F., Scherphof, G. L., Kamps, J. A. A. M. Optimized targeting of polyethylene glycol-stabilized anti-intercellular adhesion molecule 1 oligonucleotide/lipid particles to liver sinusoidal endothelial cells. *Molecular Pharmacology* 67(3): 883-890, 2005.

Bekhof, J., Rijn, M. van, Sauer, P. J. J., Vergert, E. M. ten, Reijngoud, D. J., Spronsen, F. J. van. Plasma phenylalanine in patients with phenylketonuria self-managing their diet. *Archives of Disease in Childhood* 90(2): 163-164, 2005.

Bekhof, J., Langen, Z. J. de, Verkade, H. J. Icterus prolongatus reden voor laboratoriumdiagnostiek, ook bij borstgevoede zuigelingen. [Icterus prolongatus is a reason for laboratory investigation, also in breastfed neonates]. *Nederlands Tijdschrift Voor Geneeskunde* 149(12): 613-617, 19-3-2005.

Bijvelds, M. J. C., Jorna, H., Verkade, H. J., Bot, A. G. M., Hofmann, F., Agellon, L. B., Sinaasappel, M., Jonge, H. R. de. Activation of CFTR by ASBT-mediated bile salt absorption. *American Journal of Physiology - Gastrointestinal and Liver Physiology* 289(5): G870-G879, 2005.

Bijvelds, M. J. C., Bronsveld, I., Havinga, R., Sinaasappel, M., Jonge, H. R. de, Verkade, H. J. Fat absorption in cystic fibrosis mice is impeded by defective lipolysis and post-lipolytic events. *American Journal of Physiology - Gastrointestinal and Liver Physiology* 288(4): G646-G653, 2005.

Borgh, S. van der, Libbrecht, L., Blokzijl, H., Faber, K. N., Moshage, H., Aerts, R., Steenbergen, W. van, Jansen, P. L., Desmet, V. J., Roskams, T. A. Diagnostic and pathogenetic

implications of the expression of hepatic transporters in focal lesions occurring in normal liver. *Journal of Pathology* 207(4): 471-482, 2005.

Borowitz, D., Durie, P. R., Clarke, L. L., Werlin, S. L., Taylor, C. J., Semler, J., Lisle, R. C. de, Lewindon, P., Lichtman, S. M., Sinaasappel, M., Baker, R. D., Baker, S. S., Verkade, H. J., Lowe, M. E., Stallings, V. A., Janghorbani, M., Butler, R., Heubi, J. Gastrointestinal outcomes and confounders in cystic fibrosis. *Journal of Pediatric Gastroenterology and Nutrition* 41(3): 273-285, 2005.

Cain, W. J., Millar, J. S., Himebauch, A. S., Tietge, U. J. F., Maugeais, C., Usher, D., Rader, D. J. Lipoprotein [a] is cleared from the plasma primarily by the liver in a process mediated by apolipoprotein [a]. *Journal of Lipid Research* 46(12): 2681-2691, 2005.

Cariou, B., Harmelen, K. van, Duran-Sandoval, D., Dijk, T. van, Grefhorst, A., Bouchaert, E., Fruchart, J. C., Gonzalez, F. J., Kuipers, F., Staels, B. Transient impairment of the adaptive response to fasting in FXR-deficient mice. *Febs Letters* 579(19): 4076-4080, 2005.

Cariou, B., Duran-Sandoval, D., Kuipers, F., Staels, B. Farnesoid X receptor: A new player in glucose metabolism? *Endocrinology* 146(3): 981-983, 2005.

Claudiel, T., Staels, B., Kuipers, F. The Farnesoid X receptor - A molecular link between bile acid and lipid and glucose metabolism. *Arteriosclerosis Thrombosis and Vascular Biology* 25(10): 2020-2031, 2005.

Delsing, D. J. M., Post, S. M., Groenendijk, M., Solaas, K., Boom, H. van der, Duyvenvoorde, W. van, Wit, E. C. M. de, Bloks, V. W., Kuipers, F., Havekes, L. M., Princen, H. M. G. Rosuvastatin reduces plasma lipids by inhibiting VLDL production and enhancing hepatobiliary lipid excretion in ApoE*3-Leiden mice. *Journal of Cardiovascular Pharmacology* 45(1): 53-60, 2005.

Derks, T. G. J., Duran, M., Waterham, H. R., Reijngoud, D. J., Kate, L. P. ten, Smit, G. P. A. The difference between observed and expected prevalence of MCAD deficiency in The Netherlands: a genetic epidemiological study. *European Journal of Human Genetics* 13(8): 947-952, 2005.

Dijk, G. van, Vries, K. de, Nyakas, C., Buwalda, B., Adage, T., Kuipers, F., Kas, M. J. H., Adan, R. A. H., Wilkinson, C. W., Thiele, T. E., Scheurink, A. J. W. Reduced anorexigenic efficacy of leptin, but not of the melanocortin receptor agonist melanotan-II, predicts diet-induced obesity in rats. *Endocrinology* 146(12): 5247-5256, 2005.

Duivenvoorden, I., Teusink, B., Rensen, P. C. N., Kuipers, F., Romijn, J. A., Havekes, L. M., Voshol, P. J. Acute inhibition of hepatic beta-oxidation in APOE*3Leiden mice does not affect hepatic VLDL secretion or insulin sensitivity. *Journal of Lipid Research* 46(5): 988-993, 2005.

Duran-Sandoval, D., Cariou, B., Percevault, F., Hennuyer, N., Grefhorst, A., Dijk, T. H. van, Gonzalez, F. J., Fruchart, J. C., Kuipers, F., Staels, B. The farnesoid X receptor modulates hepatic carbohydrate metabolism during the fasting-refeeding transition. *Journal of Biological Chemistry* 280(33): 29971-29979, 2005.

- Geuken, E., Visser, D. S., Leuvenink, H. G. D., Jong, K. P. de, Peeters, P. M. J. G., Slooff, M. J. H., Kuipers, F., Porte, R. J. Hepatic expression of ABC transporters G5 and G8 does not correlate with biliary cholesterol secretion in liver transplant patients. *Hepatology* 42(5): 1166-1174, 2005.
- Geuken, E., Buis, C. I., Visser, D. S., Blokzijl, H., Moshage, H., Nemes, B., Leuvenink, H. G., Jong, K. P. de, Peeters, P. M., Slooff, M. J., Porte, R. J. Expression of heme oxygenase-1 in human livers before transplantation correlates with graft injury and function after transplantation. *American Journal of Transplantation* 5(8): 1875-1885, 2005.
- Goudriaan, J. R., Boer, M. A. M. den, Rensen, P. C. N., Febbraio, M., Kuipers, F., Romijn, J. A., Havekes, L. M., Voshol, P. J. CD36 deficiency in mice impairs lipoprotein lipase-mediated triglyceride clearance. *Journal of Lipid Research* 46(10): 2175-2181, 2005.
- Grefhorst, A., Dijk, T. H. van, Hammer, A., Sluijs, F. H. van der, Havinga, R., Havekes, L. M., Romijn, J. A., Groot, P. H., Reijngoud, D. J., Kuipers, F. Differential effects of pharmacological liver X receptor activation on hepatic and peripheral insulin sensitivity in lean and ob/ob mice. *American Journal of Physiology - Endocrinology and Metabolism* 289(5): E829-E838, 2005.
- Grefhorst, A., Hoekstra, J., Derks, T. G. J., Ouwens, D. M., Baller, J. F. W., Havinga, R., Havekes, L. M., Romijn, J. A., Kuipers, F. Acute hepatic steatosis in mice by blocking beta-oxidation does not reduce insulin sensitivity of very-low-density lipoprotein production. *American Journal of Physiology - Gastrointestinal and Liver Physiology* 289(3): G592-G598, 2005.
- Grothuisen, C., Bley, S., Selle, T., Luchtefeld, M., Grote, K., Tietge, U. J., Drexler, H., Schieffer, B. Combined effects of HMG-CoA-reductase inhibition and renin-angiotensin system blockade on experimental atherosclerosis. *Atherosclerosis* 182(1): 57-69, 2005.
- Hafkamp, A. M., Havinga, R., Sinaasappel, M., Verkade, H. J. Effective oral treatment of unconjugated hyperbilirubinemia in Gunn rats. *Hepatology* 41(3): 526-534, 2005.
- Haisma, H., Wells, J. C. K., Coward, W. A., Duro, D., Victora, C. G., Vonk, R. J., Wright, A., Visser, G. H. Complementary feeding with cow's milk alters sleeping metabolic rate in breast-fed infants. *Journal of Nutrition* 135(8): 1889-1895, 2005.
- Hinrichs, J. W. J., Klappe, K., Riezen, M. van, Kok, J. W. Drug resistance-associated changes in sphingolipids and ABC transporters occur in different regions of membrane domains. *Journal of Lipid Research* 46(11): 2367-2376, 2005.
- Hinrichs, J. W. J., Klappe, K., Kok, J. W. Rafts as missing link between multidrug resistance and sphingolipid metabolism. *Journal of Membrane Biology* 203(2): 57-64, 2005.
- Hoeksma, M., Rijn, M. van, Verkerk, P. H., Bosch, A. M., Mulder, M. F., Klerk, J. B. C. de, Koning, T. J. de, Rubio-Gozalbo, E., Vries, M. de, Sauer, P. J. J., Spronsen, F. J. van. The intake of total protein, natural protein and protein substitute and growth of height and head circumference in Dutch infants with phenylketonuria. *Journal of Inherited Metabolic Disease* 28(6): 845-854, 2005.
- Hulzebos, C. V., Voshol, P. J., Wolters, H., Kruit, J. K., Ottenhof, R., Groen, A. K., Stellaard, F., Verkade, H. J., Kuipers, F. Bile duct proliferation associated with bile salt-induced hypercholerisis in Mdr2 P-glycoprotein-deficient mice. *Liver International* 25(3): 604-612, 2005.
- Hummel, I., Klappe, K., Kok, J. W. Up-regulation of lactosylceramide synthase in MDR1 overexpressing human liver tumour cells. *Febs Letters* 579(16): 3381-3384, 2005.
- Huysman, M. W. A., Hop, W. C. J., Cromme-Dijkhuis, A. H., Sauer, P. J. J., Hokken-Koelega, A. C. S. A randomized, placebo-controlled GH trial in very preterm infants who were at risk for bronchopulmonary dysplasia and were treated with dexamethasone. *Pediatric Research* 58(4): 705-712, 2005.
- Kruit, J. K., Plosch, T., Havinga, R., Boverhof, R., Groot, P. H. E., Groen, A. K., Kuipers, F. Increased fecal neutral sterol loss upon liver X receptor activation is independent of biliary sterol secretion in mice. *Gastroenterology* 128(1): 147-156, 2005.
- Maier, O., Heide, T. van der, Dam, A. M. van, Baron, W., Vries, H. de, Hoekstra, D. Alteration of the extracellular matrix interferes with raft association of neurofascin in oligodendrocytes. Potential significance for multiple sclerosis? *Molecular and Cellular Neuroscience* 28(2): 390-401, 2005.
- Meer, K. de, Roef, M. J., Klerk, J. B. C. de, Bakker, H. D., Smit, G. P. A., Poll-The, B. T. Increasing fat in the diet does not improve muscle performance in patients with mitochondrial myopathy due to complex I deficiency. *Journal of Inherited Metabolic Disease* 28(1): 95-98, 2005.
- Meurs, I., Hoekstra, M., Wanrooij, E. J. A. van, Hildebrand, R. B., Kuiper, J., Kuipers, F., Hardeman, M. R., Berkel, T. J. C. van, Eck, M. van. HDL cholesterol levels are an important factor for determining the lifespan of erythrocytes. *Experimental Hematology* 33(11): 1309-1319, 2005.
- Oostenbrug, L. E., Drenth, J. P. H., Jong, D. J. de, Nolte, I. M., Oosterom, E., Dulleman, H. M. van, Linde, K. van der, Meerman, G. J. te, Steege, G. van der, Kleibeuker, J. H., Jansen, P. L. M. Association between toll-like receptor 4 and inflammatory bowel disease. *Inflammatory Bowel Diseases* 11(6): 567-575, 2005.
- Pierik, L. J. W. M., Spronsen, F. J. van, Bijleveld, C. M. A., Dael, C. M. L. van. Renal function in tyrosinaemia type I after liver transplantation: A long-term follow-up. *Journal of Inherited Metabolic Disease* 28(6): 871-876, 2005.
- Pipaon, M. S. de, Quero, J., Wattimena, D. J. L., Sauer, P. J. J. Effect of two amino acid solutions on leucine turnover in preterm infants. *Biology of the Neonate* 87(4): 236-241, 2005.
- Rothkopf, C., Fahr, A., Fricker, G., Scherphof, G. L., Kamps, J. A. M. Uptake of phosphatidylserine-containing liposomes by liver sinusoidal endothelial cells in the serum-free perfused rat liver. *Biochimica et Biophysica Acta - Biomembranes* 1668(1): 10-16, 2005.
- Sauer, P. J. J. Ethical and practical issues regarding research in children: The European perspective. *Toxicology and Applied Pharmacology* 207(2 SUPPL.): S668-S672, 2005.
- Scarzello, M., Smisterova, J., Wagenaar, A., Stuart, M. C. A., Hoekstra, D., Engberts, J. B. F. N., Hulst, R. Sunfish cationic amphiphiles: Toward an adaptative lipoplex morphology. *Journal of the American Chemical Society* 127(29): 10420-10429, 2005.
- Seitz, H. K., Salaspuro, M., Savolainen, M., Haber, P., Ishii, H., Teschke, R., Moshage, H., Lieber, C. S. From alcohol toxicity to treatment. *Alcoholism-Clinical and Experimental Research* 29(7): 1341-1350, 2005.

- Sieders, E., Hepkema, B. G., Peeters, P. M. J. G., Vergert, E. M. ten, Jong, K. P. de, Porte, R. J., Bijleveld, C. M. A., Berg, A. P. van den, Lems, S. P. M., Gouw, A. S. H., Slooff, M. J. H. The effect of HLA mismatches, shared cross-reactive antigen groups, and shared HLA-DR antigens on the outcome after pediatric liver transplantation. *Liver Transplantation* 11(12): 1541-1549, 2005.
- Spronsen, F. J., Smit, G. P. A., Erwich, J. J. H. M. Inherited metabolic diseases and pregnancy. *Bjog-An International Journal of Obstetrics and Gynaecology* 112(1): 2-11, 2005.
- Spronsen, F. J. van, Bijleveld, C. M. A., Maldegem, T. T. van, Wijburg, F. A. Hepatocellular carcinoma in hereditary tyrosinemia type I despite 2-(2 nitro-4-3 trifluoromethylbenzoyl)-1,3-cyclohexanedione treatment. *Journal of Pediatric Gastroenterology and Nutrition* 40(1): 90-93, 2005.
- Sturm, E., Havinga, R., Baller, J. F. W., Wolters, H., Rooijen, N. van, Kamps, J. A. A. M., Verkade, H. J., Karpen, S. J., Kuipers, F. Kupffer cell depletion with liposomal clodronate prevents suppression of Ntcp expression in endotoxin-treated rats. *Journal of Hepatology* 42(1): 102-109, 2005.
- Svegliati-Baroni, G., Ridolfi, F., Hannivoort, R., Saccomanno, S., Homan, M., Minicis, S. de, Jansen, P. L. M., Candelaresi, C., Benedetti, A., Moshage, H. Bile acids induce hepatic stellate cell proliferation via activation of the epidermal growth factor receptor. *Gastroenterology* 128(4): 1042-1055, 2005.
- Tao, H., Priebe, M. G., Vonk, R. J., Welling, G. W. Identification of bacteria with beta-galactosidase activity in faeces from lactase non-persistent subjects. *Fems Microbiology Ecology* 54(3): 463-469, 2005.
- Tietge, U. J. F., Schmidt, H. H. J., Schutz, T., Dippe, P., Lochs, H., Pirlich, M. Reduced plasma adiponectin in NASH: Central obesity as an underestimated causative risk factor. *Hepatology* 41(2): 401, 2005.
- Tietge, U. J. F., Pratico, D., Ding, T., Funk, C. D., Hildebrand, R. B., Berkel, T. J. van, Eck, M. van. Macrophage-specific expression of group IIA sPLA(2) results in accelerated atherogenesis by increasing oxidative stress. *Journal of Lipid Research* 46(8): 1604-1614, 2005.
- Tyteca, D., Ijzendoorn, S. C. D. van, Hoekstra, D. Calmodulin modulates hepatic membrane polarity by protein kinase C-sensitive steps in the basolateral endocytic pathway. *Experimental Cell Research* 310(2): 293-302, 2005.
- Veen, J. N. van der, Kruit, J. K., Havinga, R., Baller, J. F. W., Chimini, G., Lestavel, S., Staels, B., Groot, P. H. E., Groen, A. K., Kuipers, F. Reduced cholesterol absorption upon PPAR delta activation coincides with decreased intestinal expression of NPC1L1. *Journal of Lipid Research* 46(3): 526-534, 2005.
- Verhagen, A. A. E., Sauer, P. J. J. End-of-life decisions in newborns: An approach from the Netherlands. *Pediatrics* 116(3): 736-739, 2005.
- Verhagen, E., Sauer, P. J. J. Euthanasia in severely ill newborns - Reply. *New England Journal of Medicine* 352(22): 2355, 2005.
- Verhagen, E., Sauer, P. J. J. The Groningen protocol - Euthanasia in severely ill newborn. *New England Journal of Medicine* 352(10): 959-962, 2005.
- Waaij, L. A. van der, Harmsen, H. J. M., Madjipour, M., Kroese, F. G. M., Zwieters, M., Dullemen, H. M. van, Boer, N. K. de, Welling, G. W., Jansen, P. L. M. Bacterial population analysis of human colon and terminal ileum biopsies with 16S rRNA-based fluorescent probes: Commensal bacteria live in suspension and have no direct contact with epithelial cells. *Inflammatory Bowel Diseases* 11(10): 865-871, 2005.
- Werner, A., Havinga, R., Bos, T., Bloks, V. W., Kuipers, F., Verkade, H. J. Essential fatty acid deficiency in mice is associated with hepatic steatosis and secretion of large VLDL particles. *American Journal of Physiology - Gastrointestinal and Liver Physiology* 288(6): G1150-G1158, 2005.
- Wielinga, P. Y., Wachters-Hagedoorn, R. E., Bouter, B., Dijk, T. H. van, Stellaard, F., Nieuwenhuizen, A. G., Verkade, H. J., Scheurink, A. J. W. Hydroxycitric acid delays intestinal glucose absorption in rats. *American Journal of Physiology - Gastrointestinal and Liver Physiology* 288(6): G1144-G1149, 2005.
- Wouda, C. J. van der, Moshage, H., Homan, M., Kleibeuker, J. H., Jansen, P. L. M., Dekken, H. van. Expression of apoptosis related proteins during malignant progression in chronic ulcerative colitis. *Journal of Clinical Pathology* 58(8): 811-814, 2005.
- Yan, X. D., Scherphof, G. L., Kamps, J. A. A. M. Liposome opsonization. *Journal of Liposome Research* 15(1-2): 109-139, 2005.
- Yan, X. D., Kuipers, F., Havekes, L. M., Havinga, R., Dontje, B., Poelstra, K., Scherphof, G. L., Kamps, J. A. A. M. The role of apolipoprotein E in the elimination of liposomes from blood by hepatocytes in the mouse (vol 328, pg 57, 2005). *Biochemical and Biophysical Research Communications* 330(4): 1320, 2005.
- Yan, X. D., Kuipers, F., Havekes, L. M., Havinga, R., Dontje, B., Poelstra, K., Scherphof, G. L., Kamps, J. A. A. M. The role of apolipoprotein E in the elimination of liposomes from blood by hepatocytes in the mouse. *Biochemical and Biophysical Research Communications* 328(1): 57-62, 2005.
- Zuhorn, I. S., Bakowsky, U., Polushkin, E., Visser, W. H., Stuart, M. C. A., Engberts, J. B. F. N., Hoekstra, D. Nonbilayer phase of lipoplex-membrane mixture determines endosomal escape of genetic cargo and transfection efficiency. *Molecular Therapy* 11(5): 801-810, 2005.

INSTITUTE FOR TRANSPLANTATION, IMMUNOLOGY AND INFLAMMATION - TRIO

Research Line Transplantation

Dissertations

Hoeven, J. A. B. van der. Effects of brain death on donor organ viability in transplantation. (2005) Ploeg, R. J., Schilfgaarde, R. van, and Molema, G.

Maring, J. K. Studies on predictability of early graft function after liver transplantation. (2005) Slooff, M. J. H. and Zwaveling, J. H.

Plaats, A. van der. The Groningen hypothermic liver perfusion system for improved preservation in organ transplantation. (2005) Ploeg, R. J., Verdonck, P. R., and Verkerke, G. J.

Qu, N. Airway epithelium in obliterative airway disease. (2005) Leij, L. F. M. H. de and Prop, J.

Journal Articles

Bakker, N. A., Imhoff, G. W. van, Verschuuren, E. A. M., Son, W. J. van, Heide, J. J. H. van der, Lems, S. P. M., Veeger, N. J. G. M., Kluin, P. M., Kluin-Nelemans, H. C., Hepkema, B. G. HLA antigens and post renal transplant lymphoproliferative disease: HLA-B matching is critical. *Transplantation* 80(5): 595-599, 2005.

Boer, M. T. de, Molenaar, I. Q., Hendriks, H. G. D., Slooff, M. J. H., Porte, R. J. Minimizing blood loss in liver transplantation: Progress through research and evolution of techniques. *Digestive Surgery* 22(4): 265-275, 2005.

Bos, E. M., Schuurs, T. A., Kraan, M., Ottens, P. J., Eijnden, M. M. E. D. van den, Leuvenink, H. G. D., Kampinga, H. H., Goor, H. van, Ploeg, R. J. Renal expression of heat shock proteins after brain death induction in rats. *Transplantation Proceedings* 37(1): 359-360, 2005.

Bosma, R. J., Doorenbos, C. R. C., Stegeman, C. A., Heide, J. J. H. van der, Navis, G. Predictive performance of renal function equations in renal transplant recipients: An analysis of patient factors in bias. *American Journal of Transplantation* 5(9): 2193-2203, 2005.

Brantsma, A. H., Prins, T. R., Maar, E. F. de, Heide, J. J. H. van der, Ploeg, R. J., Son, W. J. van. To haemodialysis and back: saving a kidney graft by treatment of an arteriovenous fistula. *Nephrology Dialysis Transplantation* 20(12): 2870-2871, 2005.

Broekema, M., Harmsen, M. C., Koerts, J. A., Petersen, A. H., Luyn, M. J. A. van, Navis, G., Popa, E. R. Determinants of tubular bone marrow-derived cell engraftment after renal ischemia/reperfusion in rats. *Kidney International* 68(6): 2572-2581, 2005.

Bunger, C. M., Tiefenbach, B., Jahnke, A., Gerlach, C., Freier, T., Schmitz, K. P., Hopt, U. T., Schareck, W., Klar, E., Vos, P. de. Deletion of the tissue response against alginate-pII capsules by

temporary release of co-encapsulated steroids. *Biomaterials* 26(15): 2353-2360, 2005.

Cimic, N., Tulleken, J. E., Zijlstra, J. G., Bij, W. van der, Boonstra, P. W. Recombinant factor VIIa for refractory hemorrhage after lung transplantation. *Transplantation* 79(6): 741-742, 2005.

Dijkstra, G., Rings, E. H., Dullemen, H. M. van, Bijleveld, C. M., Meessen, N. E., Karrenbeld, A., Hofker, H. S., Porte, R. J., Naber, A. H., Ploeg, R. J. Dunndarmtransplantatie als behandeling van darmfalen bij kinderen en volwassenen. [Small bowel transplantation as a treatment option for intestinal failure in children and adults]. *Nederlands Tijdschrift Voor Geneeskunde* 149(8): 391-398, 19-2-2005.

Drent, G., Haagsma, E. B., Geest, S. de, Berg, A. P. van den, Vergert, E. M. ten, Bosch, H. J. van den, Slooff, M. J. H., Kleibeuker, J. H. Prevalence of prednisolone (non)compliance in adult liver transplant recipients. *Transplant International* 18(8): 960-966, 2005.

Geuken, E., Visser, D. S., Leuvenink, H. G. D., Jong, K. P. de, Peeters, P. M. J. G., Slooff, M. J. H., Kuipers, F., Porte, R. J. Hepatic expression of ABC transporters G5 and G8 does not correlate with biliary cholesterol secretion in liver transplant patients. *Hepatology* 42(5): 1166-1174, 2005.

Geuken, E., Buis, C. I., Visser, D. S., Blokzijl, H., Moshage, H., Nemes, B., Leuvenink, H. G., Jong, K. P. de, Peeters, P. M., Slooff, M. J., Porte, R. J. Expression of heme oxygenase-1 in human livers before transplantation correlates with graft injury and function after transplantation. *American Journal of Transplantation* 5(8): 1875-1885, 2005.

Hart, N. A. t, Plaatst, A. van der, Leuvenink, H. G. D., Goor, H. van, Wiersema-Buist, J., Verkerke, G. J., Rakhorst, G., Ploeg, R. J. Hypothermic machine perfusion of the liver and the critical balance between perfusion pressures and endothelial injury. *Transplantation Proceedings* 37(1): 332-334, 2005.

Hart, N. A. t, Plaatst, A. van der, Faber, A., Leuvenink, H. G. D., Olinga, P., Wiersema-Buist, J., Verkerke, G. J., Rakhorst, G., Ploeg, R. J. Oxygenation during hypothermic rat liver preservation: an in vitro slice study to demonstrate beneficial or toxic oxygenation effects. *Liver Transplantation* 11(11): 1403-1411, 2005.

Hendriks, H. G. D., Meer, J. van der, Wolf, J. T. M. de, Peeters, P. M. J. G., Porte, R. J., Jong, K. de, Lip, H., Post, W. J., Slooff, M. J. H. Intraoperative blood transfusion requirement is the main determinant of early surgical re-intervention after orthotopic liver transplantation. *Transplant International* 17(11): 673-679, 2005.

Hillebrands, J. L., Dam, J. G. van, Onuta, G., Klatter, F. A., Grauls, G., Bruggeman, C. A., Rozing, J. Cytomegalovirus-enhanced development of transplant arteriosclerosis in the rat; effect of timing of infection and recipient responsiveness. *Transplant International* 18(6): 735-742, 2005.

Hillebrands, J. L., Onuta, G., Rozing, J. Role of progenitor cells in transplant arteriosclerosis. *Trends in Cardiovascular Medicine* 15(1): 1-8, 2005.

- Hillebrands, J. L., Rienstra, H., Onuta, G., Rozing, J. Vascular progenitor cells in the development of transplant arteriopathy. *Current Genomics* 6(6): 431-437, 2005.
- Kobori, L., Doros, A., Nemeth, T., Fazakas, J., Nemes, B., Slooff, M. J. H., Jaray, J., Jong, K. P. de. The use of autologous rectus fascia sheath for replacement of inferior caval vein defect in orthotopic liver transplantation. *Transplant International* 18(12): 1376-1377, 2005.
- Koudstaal, L. G., Hart, N. A. t, Berg, A. van den, Olinga, P., Goor, H. van, Ploeg, R. J., Leuvenink, H. G. Brain death causes structural and inflammatory changes in donor intestine. *Transplantation Proceedings* 37: 448-449, 2005.
- Leuvenink, H. G. D., Dijk, A. van, Freund, R. L., Ploeg, R. J., Goor, H. van. Luminal preservation of rat small intestine with University of Wisconsin or Celsior solution. *Transplantation Proceedings* 37(1): 445-447, 2005.
- Meertens, J. H. J. M., Bij, W. van der, Erasmus, M. E., Werf, T. S. van der, Ebels, T., Zijlstra, J. G. Lung transplantation for acute respiratory failure in rapidly progressive idiopathic pulmonary fibrosis. *Transplant International* 18(7): 890-891, 2005.
- Nemeth, T., Kobori, L., Dallos, G., Nemes, B., Jaray, J., Perner, F., Manczur, F., Heteyi, C., Slooff, M. J. H., Jong, K. P. de. Evaluation of experimental internal rectus sheath vascular autograft in dogs. *Magyar Allatorvosok Lapja* 127(2): 99-105, 2005.
- Nijboer, W. N., Schuurs, T. A., Hoeven, J. A. B. van der, Leuvenink, H. G. D., Heide, J. J. H. van der, Goor, H. van, Ploeg, R. J. Effects of brain death on stress and inflammatory response in the human donor kidney. *Transplantation Proceedings* 37(1): 367-369, 2005.
- Olinga, P., Hoeven, J. A. B. van der, Merema, M. T., Freund, R. L., Ploeg, R. J., Groothuis, G. M. M. The influence of brain death on liver function. *Liver International* 25(1): 109-116, 2005.
- Oterdoom, L. H., Vries, A. P. J. de, Son, W. J. van, Heide, J. J. H. van der, Ploeg, R. J., Gansevoort, R. T., Jong, P. E. de, Gans, R. O. B., Bakker, S. J. L. Validation of insulin resistance indexes in a stable renal transplant population. *Diabetes Care* 28(10): 2424-2429, 2005.
- Planinsic, R. M., Meer, J. van der, Testa, G., Grande, L., Candela, A., Porte, R. J., Ghobrial, R. M., Isoniemi, H., Schelde, P. B., Erhardtson, E., Klintmalm, G., Emre, S. Safety and efficacy of a single bolus administration of recombinant factor VIIa in liver transplantation due to chronic liver disease. *Liver Transplantation* 11(8): 895-900, 2005.
- Polak, W. G., Miyamoto, S., Nemes, B. A., Peeters, P. M. J. G., Jong, K. P. de, Porte, R. J., Slooff, M. J. H. Sequential and simultaneous revascularization in adult orthotopic piggyback liver transplantation. *Liver Transplantation* 11(8): 934-940, 2005.
- Porte, R. J., Caldwell, S. H. The role of recombinant factor VIIa in liver transplantation. *Liver Transplantation* 11(8): 872-874, 2005.
- Qu, N., Vos, P. de, Schelfhorst, M., Haan, A. de, Timens, W., Prop, J. Integrity of airway epithelium is essential against obliterative airway disease in transplanted rat tracheas. *Journal of Heart and Lung Transplantation* 24(7): 882-890, 2005.
- Ree, R. M. van, Vries, A. P. J. de, Oterdoom, L. H., The, T. H., Gansevoort, R. T., Heide, J. J. H. van der, Son, W. J. van, Ploeg, R. J., Jong, P. E. de, Gans, R. O. B., Bakker, S. J. L. Abdominal obesity and smoking are important determinants of C-reactive protein in renal transplant recipients. *Nephrology Dialysis Transplantation* 20(11): 2524-2531, 2005.
- Sere, M., Ouwens, J. P., Bij, W. van der, Hardus, P. L. L. J. The value of routine ophthalmological tests in the screening for lung transplantation. *Transplant International* 17(12): 859-861, 2005.
- Sieders, E., Hepkema, B. G., Peeters, P. M. J. G., Vergert, E. M. ten, Jong, K. P. de, Porte, R. J., Bijleveld, C. M. A., Berg, A. P. van den, Lems, S. P. M., Gouw, A. S. H., Slooff, M. J. H. The effect of HLA mismatches, shared cross-reactive antigen groups, and shared HLA-DR antigens on the outcome after pediatric liver transplantation. *Liver Transplantation* 11(12): 1541-1549, 2005.
- Slebos, D. J., Kauffman, H. F., Koeter, G. H., Verschuuren, E. A. M., Bij, W. van der, Postma, D. S. Airway cellular response to two different immunosuppressive regimens in lung transplant recipients. *Clinical Transplantation* 19(2): 243-249, 2005.
- Velde, S. van der, Luyn, M. J. A. van, Tio, R. A., Harmsen, M. C. Signaling factors in stem cell-mediated repair of infarcted myocardium. *Journal of Molecular and Cellular Cardiology* 39(2): 363-376, 2005.
- Vermeulen, K. M., Post, W. J., Span, M. M., Bij, W. van der, Koeter, G. H., Vergert, E. M. ten. Incomplete quality of life data in lung transplant research: comparing cross sectional, repeated measures ANOVA, and multi-level analysis. *Respiratory Research* 6 2005.
- Vermeulen, K. M., Bosma, O. H., Bij, W. van der, Koeter, G. H., Vergert, E. M. ten. Stress, psychological distress, and coping in patients on the waiting list for lung transplantation: an exploratory study. *Transplant International* 18(8): 954-959, 2005.
- Zijlstra, J., Ligtenberg, J., Tulleken, J., Werf, T. S. van der. Post mortem examination in the intensive care unit: still useful? *Intensive Care Medicine* 31(2): 311, 2005.

Patent

- Plaats, A. van der, Verkerke, G. J., Rakhorst, G., Ploeg, R. J., Hart, N. A. t, Leuvenink, H. G. D. Portable preservation apparatus for a donor organ. WO2005009125 2005

Research Line Autoimmune Diseases

Dissertations

- Bijl-Westra, H. Experimental studies on signal transduction pathways in rheumatoid arthritis. (2005) Limburg, P. C., Rijswijk, M. H., and Leeuwen, M. A. van
- Rossum, A. P. van. Activation, apoptosis and clearance of neutrophils in Wegener's granulomatosis. (2005) Kallenberg, C. G. M. and Limbug, rP. C.

Journal Articles

- Buijsrogge, J. J. A., Pas, H. H., Jonkman, M. F. Antiepileptin cicatricial pemphigoid without mucous membrane involvement. *British Journal of Dermatology* 153(5): 1080-1081, 2005.
- Buijsrogge, J. J. A., Jong, M. C. J. M. de, Meijer, H. J., Dijk, F., Jonkman, M. F., Pas, H. H. Inflammatory epidermolysis bullosa acquisita with coexistent IgA antibodies to plectin. *Clinical and Experimental Dermatology* 30(5): 531-534, 2005.
- Damoiseaux, J. G. M. C., Slot, M. C., Vaessen, M., Stegeman, C. A., Paassen, P. van, Tervaert, J. W. C. Evaluation of a new fluorescent-enzyme immuno-assay for diagnosis and follow-up of ANCA-associated vasculitis. *Journal of Clinical Immunology* 25(3): 202-208, 2005.
- El Ghalbzouri, A., Jonkman, M. F., Dijkman, R., Ponc, M. Basement membrane reconstruction in human skin equivalents is regulated by fibroblasts and/or exogenously activated keratinocytes. *Journal of Investigative Dermatology* 124(1): 79-86, 2005.
- Grevink, M. E., Horst, G., Limburg, P. C., Kallenberg, C. G. M., Bijl, M. Levels of complement in sera from inactive SLE patients, although decreased, do not influence in vitro uptake of apoptotic cells. *Journal of Autoimmunity* 24(4): 329-336, 2005.
- Jonkman, M. F., Pasmooij, A. M. G., Pasmans, S. G. M. A., Berg, M. P. van den, Horst, H. J. ter, Timmer, A., Pas, H. H. Loss of desmoplakin tail causes lethal acantholytic epidermolysis bullosa. *American Journal of Human Genetics* 77(4): 653-660, 2005.
- Kallenberg, C. G. M. Churg-Strauss syndrome: Just one disease entity? *Arthritis and Rheumatism* 52(9): 2589-2593, 2005.
- Leeuw, K. de, Sanders, J. S., Stegeman, C., Smit, A., Kallenberg, C. G., Bijl, M. Accelerated atherosclerosis in patients with Wegener's granulomatosis. *Annals of the Rheumatic Diseases* 64(5): 753-759, 2005.
- Leeuw, K. de, Kallenberg, C., Bijl, M. Accelerated atherosclerosis in patients with systemic autoimmune diseases. *Annals of the New York Academy of Sciences* (1051): 362-371, 2005. A AUTOIMMUNE DISEASES AND TREATMENT: ORGAN-SPECIFIC AND SYSTEMIC DISORDERS.
- Limburg, P. C., Bijl, M. Autoantibodies to opsonins of apoptotic cells in systemic lupus erythematosus. *Annals of the Rheumatic Diseases* 64(12): 1669-1670, 2005.
- Lub-de Hooge, M. N., Vries, E. G. E. de, Jong, S. de, Bijl, M. Soluble TRAIL concentrations are raised in patients with systemic lupus erythematosus. *Annals of the Rheumatic Diseases* 64(6): 854-858, 2005.
- Merkel, P. A., Seo, P., Aries, P., Neogi, T., Villa-Forte, A., Boers, M., Cuthbertson, D., Felson, D. T., Hellmich, B., Hoffman, G. S., Jayne, D. R., Kallenberg, C. G. M., Krischer, J., Mahr, A., Matteson, E. L., Specks, U., Luqmani, R., Stone, J. H. Current status of outcome measures in vasculitis: Focus on Wegener's granulomatosis and microscopic polyangiitis. Report from OMERACT 7. *Journal of Rheumatology* 32(12): 2488-2495, 2005.
- Niessen, R. C., Jonkman, M. F., Muis, N., Hordijk, R., Essen, A. J. van. Pigmentary mosaicism following the lines of Blaschko in a girl with a double aneuploidy mosaicism: (47,XX,+7/45,X). *American Journal of Medical Genetics Part A* 137A(3): 313-322, 2005.
- Pasmooij, A. M. G., Pas, H. H., Deviaene, F. C. L., Nijenhuis, M., Jonkman, M. F. Multiple correcting COL17A1 mutations in patients with revertant mosaicism of epidermolysis bullosa. *American Journal of Human Genetics* 77(5): 727-740, 2005.
- Pijpe, J., Imhoff, G. W. van, Spijkervet, F. K. L., Roodenburg, J. L. N., Wolbink, G. J., Mansour, K., Vissink, A., Kallenberg, C. G. M., Bootsma, H. Rituximab treatment in patients with primary Sjogren's syndrome. *Arthritis and Rheumatism* 52(9): 2740-2750, 2005.
- Pijpe, J., Imhoff, G. W. van, Vissink, A., Wal, J. E. van der, Kluin, P. M., Spijkervet, F. K. L., Kallenberg, C. G. M., Bootsma, H. Changes in salivary gland immunohistology and function after rituximab monotherapy in a patient with Sjogren's syndrome and associated MALT lymphoma. *Annals of the Rheumatic Diseases* 64(6): 958-960, 2005.
- Ramos-Castaneda, J., Park, Y. N., Liu, M., Hauser, K., Rudolph, H., Shull, G. E., Jonkman, M. F., Mori, K., Ikeda, S., Ogawa, H., Arvan, P. Deficiency of ATP2C1, a golgi ion pump, induces secretory pathway defects in endoplasmic reticulum (ER)-associated degradation and sensitivity to ER stress. *Journal of Biological Chemistry* 280(10): 9467-9473, 2005.
- Reefman, E., Limburg, P. C., Kallenberg, C. G. M., Bijl, M. Apoptosis in human skin - Role in pathogenesis of various diseases and relevance for therapy. *Annals of the New York Academy of Sciences* (1051): 52-63, 2005. Annals of the new york academy of sciences AUTOIMMUNE DISEASES AND TREATMENT: ORGAN-SPECIFIC AND SYSTEMIC DISORDERS.
- Rossum, A. P. van, Geld, Y. M. van der, Limburg, P. C., Kallenberg, C. G. M. Human anti-neutrophil cytoplasm autoantibodies to proteinase 3 (PR3-ANCA) bind to neutrophils. *Kidney International* 68(2): 537-541, 2005.
- Rossum, A. P. van, Limburg, P. C., Kallenberg, C. G. M. Activation, apoptosis, and clearance of neutrophils in Wegener's granulomatosis. *Annals of the New York Academy of Sciences* (1051): 1-11, 2005. Annals of the new york academy of sciences AUTOIMMUNE DISEASES AND TREATMENT: ORGAN-SPECIFIC AND SYSTEMIC DISORDERS.
- Slot, M. C., Links, T. P., Stegeman, C. A., Tervaert, J. W. C. Occurrence of antineutrophil cytoplasmic antibodies and associated vasculitis in patients with hyperthyroidism treated with antithyroid drugs: A long-term followup study. *Arthritis & Rheumatism - Arthritis Care & Research* 53(1): 108-113, 2005.
- Stegeman, C. A. Predictive value of antineutrophil cytoplasmic antibodies in small-vessel vasculitis: Is the glass half full or half empty? *Journal of Rheumatology* 32(11): 2075-2077, 2005.
- Vriezekolk, J. E., Geenen, R., Hartkamp, A., Godaert, G. L. R., Bootsma, H., Kruize, A. A., Bijlsma, J. W. J., Derksen, R. H. W. M. Psychological and somatic predictors of perceived and measured ocular dryness of patients with primary Sjogren's syndrome. *Journal of Rheumatology* 32(12): 2351-2355, 2005.
- Westra, J., Kuldo, J. M., Rijswijk, M. H. van, Molema, G., Limburg, P. C. Chemokine production and E-selectin expression in activated endothelial cells are inhibited by p38 MAPK (mitogen activated protein kinase) inhibitor RWJ 67657. *International Immunopharmacology* 5(7-8): 1259-1269, 2005.

Research Line Infections

Dissertation

Bouman, A. The effects of the reproductive condition and sex hormones on the immune system. (2005) Heineman, M. J. and Leij, L. F. M. H. De

Journal Articles

Bakker, W. W., Borghuis, T., Harmsen, M. C., Berg, A. van den, Kema, I. P., Niezen, K. E., Kapojos, J. J. Protease activity of plasma hemopexin. *Kidney International* 68(2): 603-610, 2005.

Boomker, J. M., Luyn, M. J. A. van, The, T. H., Leij, L. F. M. H. de, Harmsen, M. C. US28 actions in HCMV infection: lessons from a versatile hijacker. *Reviews in Medical Virology* 15(4): 269-282, 2005.

Boomker, J. M., Luttkhuizen, D. T., Veninga, H., Leij, L. F. M. H. de, The, T. H., Haan, A. de, Luyn, M. J. A. van, Harmsen, M. C. The modulation of angiogenesis in the foreign body response by the poxviral protein M-T7. *Biomaterials* 26(23): 4874-4881, 2005.

Boomker, J. M., Leij, L. F. M. H. de, The, T. H., Harmsen, M. C. Viral chemokine-modulatory proteins: tools and targets. *Cytokine & Growth Factor Reviews* 16(1): 91-103, 2005.

Bos, G. W., Hennink, W. E., Brouwer, L. A., Otter, W. den, Veldhuis, T. F. J., Nostrum, C. F. van, Luyn, M. J. A. van. Tissue reactions of in situ formed dextran hydrogels crosslinked by stereocomplex formation after subcutaneous implantation in rats. *Biomaterials* 26(18): 3901-3909, 2005.

Bouman, A., Heineman, M. J., Faas, M. M. Sex hormones and the immune response in humans. *Human Reproduction Update* 11(4): 411-423, 2005.

Bungener, L., Huckriede, A., Mare, A. de, Vries-Idema, J., Wilschut, J., Daemen, T. Virosome-mediated delivery of protein antigens in vivo: efficient induction of class I MHC-restricted cytotoxic T lymphocyte activity. *Vaccine* 23(10): 1232-1241, 2005.

Dammers, P. M., Kroese, F. G. M. Recruitment and selection of marginal zone B cells is independent of exogenous antigens (vol 35, pg 2089, 2005). *European Journal of Immunology* 35(8): 2507, 2005.

Dammers, P. M., Kroese, F. G. M. Recruitment and selection of marginal zone B cells is independent of exogenous antigens. *European Journal of Immunology* 35(7): 2089-2099, 2005.

Dankers, P. Y. W., Harmsen, M. C., Brouwer, L. A., Luyn, M. J. A. van, Meijer, E. W. A modular and supramolecular approach to bioactive scaffolds for tissue engineering. *Nature Materials* 4(7): 568-574, 2005.

Donker, R. B., Molema, G., Faas, M. M., Kallenberg, C. G. M., Pampus, M. G. van, Timmer, A., Aarnoudse, J. G. Absence of in vivo generalized pro-inflammatory endothelial activation in severe, early-onset preeclampsia. *Journal of the Society for Gynecologic Investigation* 12(7): 518-528, 2005.

Donker, R. B., Asgeirsdottir, S. A., Gerbens, F., Pampus, M. G. van, Kallenberg, C. G. M., Meerman, G. J. T., Aarnoudse, J. G., Molema, G. Plasma factors in severe early-onset preeclampsia do not substantially alter endothelial gene expression in vitro. *Journal of the Society for Gynecologic Investigation* 12(2): 98-106, 2005.

Faas, M. M., Bouman, A., Nieuwenhoven, A. L. V. van, Schaaf, G. van der, Moes, H., Heineman, M. J., Vos, P. de. Species differences in the effect of pregnancy on lymphocyte cytokine production between human and rat. *Journal of Leukocyte Biology* 78(4): 946-953, 2005.

Hoentjen, F., Welling, G. W., Harmsen, H. J. M., Zhang, X. Y., Snart, J., Tannock, G. W., Lien, K., Churchill, T. A., Lupicki, M., Dieleman, L. A. Reduction of colitis by prebiotics in HLA-1327 transgenic rats is associated with microflora changes and immunomodulation. *Inflammatory Bowel Diseases* 11(11): 977-985, 2005.

Huckriede, A., Bungener, L., Stegmann, T., Daemen, T., Medema, J., Palache, A. M., Wilschut, J. The virosome concept for influenza vaccines. *Vaccine* 23(Suppl. 1): S26-S38, 2005.

Kuldo, J. M., Westra, J., Asgeirsdottir, S. A., Kok, R. J., Oosterhuis, K., Rots, M. G., Schouten, J. P., Limburg, P. C., Molema, G. Differential effects of NF-kappa B and p38 MAPK inhibitors and combinations thereof on TNF-alpha- and IL-1 beta-induced proinflammatory status of endothelial cells in vitro. *American Journal of Physiology - Cell Physiology* 289(5): C1229-C1239, 2005.

Kuldo, J. M., Ogawara, K. I., Werner, N., Asgeirsdottir, S. A., Kamps, J. A., Kok, R. J., Molema, G. Molecular pathways of endothelial cell activation for (targeted) pharmacological intervention of chronic inflammatory diseases. *Current Vascular Pharmacology* 3(1): 11-39, 2005.

Martensson, O., Bjorklund, M., Lambo, A. M., Duenas-Chasco, M., Irastorza, A., Holst, O., Norin, E., Welling, G., Oste, R., Onning, G. Fermented, rony, oat-based products reduce cholesterol levels and stimulate the bifidobacteria flora in humans. *Nutrition Research* 25(5): 429-442, 2005.

Molema, G. Design of vascular endothelium-specific drug-targeting strategies for the treatment of cancer. *Acta Biochimica Polonica* 52(2): 301-310, 2005.

Murray, C. S., Tannock, G. W., Simon, M. A., Harmsen, H. J. M., Welling, G. W., Custovic, A., Woodcock, A. Fecal microbiota in sensitized wheezy and non-sensitized non-wheezy children: a nested case-control study. *Clinical and Experimental Allergy* 35(6): 741-745, 2005.

Peppelenbosch, M. P., Spek, C. A. Understanding and Treatment of Diseases in the Haemostatic System - Editorial. *Current Genomics* 6(6): 365, 2005.

Peppelenbosch, M. P., Milano, F., Ferreira, C. V., Knapinska, A., Diks, S. H., Spek, C. A. RNA-based gene therapy for haemophilia B. *Current Genomics* 6(6): 401-404, 2005.

Ponsioen, T. L., Worp, R. J. van der, Luyn, M. J. A. van, Hooymans, J. M. M., Los, L. I. Packages of vitreous collagen (type II) in the human retina: an indication of postnatal collagen turnover? *Experimental Eye Research* 80(5): 643-650, 2005.

Riezebos-Brilman, A., Regts, J., Freyschmidt, E. J., Dontje, B., Wilschut, J., Daemen, T. Induction of human papilloma virus E6/E7-specific cytotoxic T-lymphocyte activity in immune-tolerant, E6/E7-transgenic mic. *Gene Therapy* 12(18): 1410-1414, 2005.

- Sarvas, M., Harwood, C. R., Bron, S., Dijk, J. M. van. Post-translocational folding of secretory proteins in Gram-positive bacteria. *Biochimica et Biophysica Acta - Molecular Cell Research* 1694(1-3): 311-327, 11-11-2004.
- Schiffelers, R. M., Fens, M. H., Janssen, A. P., Molema, G., Storm, G. Liposomal targeting of angiogenic vasculature. *Current Drug Delivery* 2(4): 363-368, 2005.
- Schiffelers, R. M., Mixson, A. J., Ansari, A. M., Fens, M. H. A. M., Tang, Q. Q., Zhou, Q., Xu, J., Molema, G., Lu, P. Y., Scaria, P. V., Storm, G., Woodle, M. C. Transporting silence: Design of carriers for siRNA to angiogenic endothelium. *Journal of Controlled Release* 109(1-3): 5-14, 2005.
- Schiffelers, R. M., Metselaar, J. M., Fens, M. H. A. M., Janssen, A. P. C. A., Molema, G., Storm, G. Liposome-encapsulated prednisolone phosphate inhibits growth of established tumors in mice. *Neoplasia* 7(2): 118-127, 2005.
- Smits, W. K., Dubois, J. Y. F., Bron, S., Dijk, J. M. van, Kuipers, O. P. Tricky business: Transcriptome analysis reveals the involvement of thioredoxin a in redox homeostasis, oxidative stress, sulfur metabolism, and cellular differentiation in *Bacillus subtilis*. *Journal of Bacteriology* 187(12): 3921-3930, 2005.
- Spek, C. A., Zoelen, M. van, Diks, S. H., Peppelenbosch, M. P. Functional evolution of tissue factor, the archetype of the cytokine receptor family. *Current Genomics* 6(6): 367-373, 2005.
- Stoel, M., Jiang, H. Q., Diemen, C. C. van, Bun, J. C. A. M., Dammers, P. M., Thurnheer, M. C., Kroese, F. G. M., Cebra, J. J., Bos, N. A. Restricted IgA repertoire in both B-1 and B-2 cell-derived gut plasmablasts. *Journal of Immunology* 174(2): 1046-1054, 2005.
- Tao, H., Priebe, M. G., Vonk, R. J., Welling, G. W. Identification of bacteria with beta-galactosidase activity in faeces from lactase non-persistent subjects. *Fems Microbiology Ecology* 54(3): 463-469, 2005.
- Temming, K., Schiffelers, R. M., Molema, G., Kok, R. J. RGD-based strategies for selective delivery of therapeutics and imaging agents to the tumour vasculature. *Drug Resistance Updates* 8(6): 381-402, 2005.
- Tjalsma, H., Dijk, J. M. van. Proteomics-based consensus prediction of protein retention in a bacterial membrane. *Proteomics* 5(17): 4472-4482, 2005.
- Tongeren, S. P. van, Slaets, J. P. J., Harmsen, H. J. M., Welling, G. W. Fecal microbiota composition and frailty. *Applied and Environmental Microbiology* 71(10): 6438-6442, 2005.
- Verhaar, A., Krishnadath, K. K., Peppelenbosch, M. P. Using microgravity for defining novel anti-atherosclerotic therapy. *Current Genomics* 6(6): 487-490, 2005.
- Waaij, L. A. van der, Harmsen, H. J. M., Madjipour, M., Kroese, F. G. M., Zwiars, M., Dulleman, H. M. van, Boer, N. K. de, Welling, G. W., Jansen, P. L. M. Bacterial population analysis of human colon and terminal ileum biopsies with 16S rRNA-based fluorescent probes: Commensal bacteria live in suspension and have no direct contact with epithelial cells. *Inflammatory Bowel Diseases* 11(10): 865-871, 2005.
- Waar, K., Mei, H. C. van der, Harmsen, H. J. M., Vries, J. de, Atema-Smit, J., Degener, J. E., Busscher, H. J. Atomic force microscopy study on specificity and non-specificity of interaction forces between *Enterococcus faecalis* cells with and without aggregation substance. *Microbiology-Sgm* 151: 2459-2464, 2005.
- Waar, K., Degener, J. E., Luyn, M. J. van, Harmsen, H. J. M. Fluorescent in situ hybridization with specific DNA probes offers adequate detection of *Enterococcus faecalis* and *Enterococcus faecium* in clinical samples. *Journal of Medical Microbiology* 54(10): 937-944, 2005.
- Waar, B. L., Smit, J. M., Aneke, O. J. C., McInerney, G. M., Liljestrom, P., Bittman, R., Wilschut, J. Reversible acid-induced inactivation of the membrane fusion protein of Semliki Forest virus. *Journal of Virology* 79(12): 7942-7948, 2005.
- Waar, B. L., Aneke, O. J. C., Smit, J. M., Kimata, K., Bittman, R., Meijer, D. K. F., Wilschut, J. Antiviral activity of human lactoferrin: Inhibition of alphavirus interaction with heparan sulfate. *Virology* 333(2): 284-292, 2005.
- Westenbrink, B. D., Stienstra, Y., Huitema, M. G., Thompson, W. A., Klutse, E. O., Ampadu, E. O., Boezen, H. M., Limburg, P. C., Werf, T. S. van der. Cytokine responses to stimulation of whole blood from patients with buruli ulcer disease in Ghana. *Clinical and Diagnostic Laboratory Immunology* 12(1): 125-129, 2005.
- Westers, H., Braun, P. G., Westers, L., Antelmann, H., Hecker, M., Jongbloed, J. D. H., Yoshikawa, H., Tanaka, T., Dijk, J. M. van, Quax, W. J. Genes involved in skfA killing factor production protect a *Bacillus subtilis* lipase against proteolysis. *Applied and Environmental Microbiology* 71(4): 1899-1908, 2005.
- Zanen, G., Houben, E. N. G., Meima, R., Tjalsma, H., Jongbloed, J. D. H., Westers, H., Oudega, B., Luijck, J., Dijk, J. M. van, Quax, W. J. Signal peptide hydrophobicity is critical for early stages in protein export by *Bacillus subtilis*. *Febs Journal* 272(18): 4617-4630, 2005.

Book Contributions/ Proceedings

- Dorenbos, R., Dijk, J. M. van, Quax, W. J. Thioli disulfide oxidoreductases in bacteria. In: *Recent res. devel. microbiology 9*, edited by S. G. Pandai, Kerala/India: Research Signpost, 2005, p. 237-269.

Research Line Tumor Immunology

Dissertation

- Kosterink, J. G. W. Strategies for specific drug targeting to tumor cells : radiolabeled monoclonal. (2005) Leij, L. F. M. H. de and Mulder, N. H.

Journal Articles

- Bremer, E., Samplonius, D. F., Genne, L. van, Dijkstra, M. H., Kroesen, B. J., Leij, L. F. M. H. de, Helfrich, W. Simultaneous inhibition of epidermal growth factor receptor (EGFR) signaling and enhanced activation of tumor necrosis factor-related apoptosis-inducing ligand (TRAIL) receptor-mediated apoptosis induction by an scFv : sTRAIL fusion protein with specificity for human EGFR. *Journal of Biological Chemistry* 280(11): 10025-10033, 2005.

Bremer, E., Samplonius, D. F., Peipp, M., Genne, L. van, Kroesen, B. J., Fey, G. H., Gramatzki, M., Leij, L. F. M. H. de, Helfrich, W. Target cell-restricted apoptosis induction of acute leukemic T cells by a recombinant tumor necrosis factor-related apoptosis-inducing ligand fusion protein with specificity for human CD7. *Cancer Research* 65(8): 3380-3388, 2005.

Elias, M., Zanten, J. van, Hospers, G. A. P., Setroikromo, A., Jong, M. A. de, Leij, L. F. M. H. de, Mulder, N. H. Closed system generation of dendritic cells from a single blood volume for clinical application in immunotherapy. *Journal of Clinical Apheresis* 20(4): 197-207, 2005.

Kluiver, J., Poppema, S., Jong, D. de, Blokzijl, T., Harms, G., Jacobs, S., Kroesen, B. J., Berg, A. van den. BIC and miR-155 are highly expressed in Hodgkin, primary mediastinal and diffuse large B cell lymphomas. *Journal of Pathology* 207(2): 243-249, 2005.

Nijman, H. W., Lambeck, A., Burg, S. H. van der, Zee, A. G. J. van der, Daemen, T. Immunologic aspect of ovarian cancer and p53 as tumor antigen. *Journal of Translational Medicine* 3: 1-12, 2005.

NORTHERN NETHERLANDS ONCOLOGY CENTER – NNOC

Dissertations

- Daryanani, D. Melanoma : various aspects of presentation, treatment and outcome. (2005) Hoekstra, H. J.
- Fuhler, G. M. Neutrophil functions in patients with myelodysplasia : implications of impaired. (2005) Vellenga, E. and Drayer, A. L.
- Geelen, C. M. M. van. TRAIL-induced apoptosis in colon cancer : resistance and modulation. (2005) Vries, E. G. E. de
- Haralambieva, E. Detection of chromosomal breakpoints in B-cell neoplasia by interphase fluorescence in situ hybridization on routine paraffin sections. (2005) Kluin, P. M.
- Heeren, P. A. M. Staging and patient selection in cancer of the oesophagus and the oesophagogastric junction. (2005) Wiggers, T.
- Hut, H. M. J. Centrosomes and cellular stress responses. (2005) Kampinga, H. H. and Sibon, O. C. M.
- Jong, M. M. de. Identification of genes other than the high-penetrance genes involved in colorectal and/or breast cancer susceptibility. (2005) Kleibeuker, J. H. and Vries, E. G. E. de
- Kamminga, L. M. Hematopoietic stem cells and the genetics of ageing. (2005) Haan, G. de and Vellenga, E.
- Kosterink, J. G. W. Strategies for specific drug targeting to tumor cells : radiolabeled monoclonal. (2005) Leij, L. F. M. H. de and Mulder, N. H.
- Kramer, H. Endoscopic ultrasound and PET in the staging of lung cancer. (2005) Groen, H. J. M. and Koeter, G. H.
- Maring, J. G. New insights in pyrimidine antagonist chemotherapy : the role of pharmacokinetics and pharmacogenetics. (12-1-2005) Vries, E. G. E. de, Groen, H. J. M., and Uges, D. R. A.
- Nuver, J. Chemotherapy-related vascular toxicity : studies in germ cell tumour patients. (2005) Sleijfer, D. Th.
- Perik, P. J. Cardiotoxicity after anticancer treatment: clinical investigations and molecular mechanisms. (2005) Veldhuisen, D. J. van, Sleijfer, D. Th., Gietema, J. A., and Graaf, W. T. A. van der
- Plasschaert, S. L. A. The role of ABC-transporters in childhood and adult acute lymphoblastic leukemia. (2005) Kamps, W. A., Vries, E. G. E. de, and Vellenga, E.
- Rietman, J. S. Treatment related morbidity in breast cancer patients : a comparative study. (2005) Eisma, W. H., Hoekstra, H. J., Geertzen, J. H. B., and Groothoff, J. W.
- Schaapveld, M. Breast cancer: patterns of care, second cancers and genetics : studies based on cancer registry data. (2005) Vries, E. G. E. de, Otter, R., Graaf, W. T. A. van der, and Willemse, P. H. B.
- Stokman, M. A. New options for evaluation and intervention of cancer therapy induced oral mucositis. (2005) Roodenburg, J. L. N., Vries, E. G. E. de, and Spijkervet, F. K. L.

- Veld, D. C. G. de. Autofluorescence spectroscopy for the classification of oral lesions. (2005) Roodenburg, J. L. N., Witjes, M. J. H., Sterenberg, H. J. C. M., and Star, W. M.
- Westreenen, H. L. van. Positron Emission Tomography in Staging of Esophageal Cancer. (2005) Wiggers, T., Lanschot, J. J. B. van, Plukker, J. Th. M., Dullemeij, H. M. van, and Jager, P. L.
- Zoodma, M. Genetic susceptibility of cervical cancer. (2005) Zee, A. G. J. van der and Vries, E. G. E. De

Journal Articles

- Abe, O., Abe, R., Enomoto, K., Kikuchi, K., Koyama, H., Masuda, H., Nomura, Y., Vries, E. G. E. de, Rodenhuis, S., Tinteren, H. van, Comis, R. L., Morrison, J. M., Spooner, D., Litton, A., Chlebowski, R. T., Caffier, H. Effects of chemotherapy and hormonal therapy for early breast cancer on recurrence and 15-year survival: an overview of the randomised trials. *Lancet* 365(9472): 1687-1717, 2005.
- Agesen, T. H., Florenes, V. A., Molenaar, W. M., Lind, G. E., Berner, J. M., Plaat, B. E. C., Komdeur, R., Myklebost, A., Berg, E. van den, Lothe, R. A. Expression patterns of cell cycle components in sporadic and neurofibromatosis type 1-related malignant peripheral nerve sheath tumors. *Journal of Neuropathology and Experimental Neurology* 64(1): 74-81, 2005.
- Agthoven, M. van, Kramer, M. H. H., Sonneveld, P., Hem, K. G. van der, Huijgens, P. C., Wijermans, P. W., Kluin-Nelemans, H. C., Schaafsma, M. R., Biesma, D. H., Mattijssen, V., Uyl-de Groot, C. A., Hagenbeek, A. Cost analysis of common treatment options for indolent follicular non-Hodgkin's lymphoma. *Haematologica-the Hematology Journal* 90(10): 1422-1432, 2005.
- Alberts, R., Terpstra, P., Bystrykh, L. V., Haan, G. de, Jansen, R. C. A statistical multiprobe model for analyzing cis and trans genes in genetical genomics experiments with short-oligonucleotide arrays. *Genetics* 171(3): 1437-1439, 2005.
- Ammann, R. A., Simon, A., Bont, E. S. J. M. de. Low risk episodes of fever and neutropenia in pediatric oncology: Is outpatient oral antibiotic therapy the new gold standard of care? *Pediatric Blood & Cancer* 45(3): 244-247, 2005.
- Arts, H. J. G., Jong, S. de, Hollema, H., Hoor, K. A. ten, Vries, E. G. E. de, Zee, A. G. J. van der. Fas and Fas ligand in cyst fluids, serum and tumors of patients with benign and (borderline) malignant ovarian tumors. *International Journal of Oncology* 26(2): 379-384, 2005.
- Atayar, C., Poppema, S., Blokzijl, T., Harms, G., Boot, M., Berg, A. van den. Expression of the T-cell transcription factors, GATA-3 and T-bet, in the neoplastic cells of Hodgkin lymphomas. *American Journal of Pathology* 166(1): 127-134, 2005.
- Bakker, N. A., Imhoff, G. W., Verschuuren, E. A. M., Veeger, N. J. G. M., Hepkema, B. G. HLA matching and posttransplant Lymphoproliferative disease after lung transplantation. *Transplantation* 80(8): 1134-1135, 2005.
- Bakker, N. A., Imhoff, G. W. van, Verschuuren, E. A. M., Son, W. J. van, Heide, J. J. H. van der, Veeger, N. J. G. M., Kluin, P. M., Kluin-Nelemans, H. C. Early onset post-transplant lymphoproliferative disease is associated with allograft localization. *Clinical Transplantation* 19(3): 327-334, 2005.

- Bart, J., Dijkers, E. C. F., Wegman, T. D., Vries, E. G. E. de, Graaf, W. T. A. van der, Groen, H. J. M., Vaalburg, W., Willemsen, A. T. M., Hendrikse, N. H. New positron emission tomography tracer [C-11]carvedilol reveals P-glycoprotein modulation kinetics. *British Journal of Pharmacology* 145(8): 1045-1051, 2005.
- Bastiaannet, E., Beukema, J. C., Hoekstra, H. J. Radiation therapy following lymph node dissection in melanoma patients: treatment, outcome and complications. *Cancer Treatment Reviews* 31(1): 18-26, 2005.
- Benus, G. F. J. D., Wierenga, A. T. J., Gorter, D. J. J. de, Schuringa, J. J., Bennekum, A. M. van, Drenth-Diephuis, L., Vellenga, E., Eggen, B. J. L. Inhibition of the transforming growth factor beta (TGF beta) pathway by interleukin-1 beta is mediated through TGF beta-activated kinase 1 phosphorylation of SMAD3. *Molecular Biology of the Cell* 16(8): 3501-3510, 2005.
- Berg, A. van den, Visser, L., Rust, R., Poppema, S. Re: Rust et al. TIMP-1 expression in anaplastic large cell lymphoma is usually restricted to macrophages and only seldom observed in tumour cells. *J Pathol* 2005; 206 : 445-450 - Reply. *Journal of Pathology* 207(3): 374-375, 2005.
- Bijl, H. P., Luijk, P. van, Coppes, R. P., Schippers, J. M., Konings, A. W. T., Der Kogel, A. J. Regional differences in radiosensitivity across the rat cervical spinal cord. *International Journal of Radiation Oncology Biology Physics* 61(2): 543-551, 2005.
- Bongers, M. E. J., Francken, A. B., Rouwe, C., Kamps, W. A., Postma, A. Reduction of adult height in childhood acute lymphoblastic leukemia survivors after prophylactic cranial irradiation. *Pediatric Blood & Cancer* 45(2): 139-143, 2005.
- Bos, A. M. E., Vos, F. Y. F. L. de, Vries, E. G. E. de, Beijnen, J. H., Rosing, H., Mourits, M. J. E., Zee, A. G. J. van der, Gietema, J. A., Willemsen, P. H. B. A phase I study of intraperitoneal topotecan in combination with intravenous carboplatin and paclitaxel in advanced ovarian cancer. *European Journal of Cancer* 41(4): 539-548, 2005.
- Bosga-Bouwer, A. G., Haralambieva, E., Booman, M., Boonstra, R., Berg, A. van den, Schuurin, E., Berg, E. van den, Kluin, P., Poppema, S. BCL6 alternative translocation breakpoint cluster region associated with follicular lymphoma grade 3B. *Genes Chromosomes & Cancer* 44(3): 301-304, 2005.
- Braat, A. E., Oosterhuis, J. W. A., Moll, F. C. P., Vries, J. E. de, Wiggers, T. Sentinel node detection after preoperative short-course radiotherapy in rectal carcinoma is not reliable. *British Journal of Surgery* 92(12): 1533-1538, 2005.
- Breems, D. A., Putten, W. L. J. van, Huijgens, P. C., Ossenkoppele, G. J., Verhoef, G. E. G., Verdonck, L. F., Vellenga, E., Greef, G. de, Jacky, E., Lelie, J. van der, Boogaerts, M. A., Lowenberg, B. Prognostic index for adult patients with acute myeloid leukemia in first relapse. *Journal of Clinical Oncology* 23(9): 1969-1978, 2005.
- Breems, D. A., Boogaerts, M. A., Dekker, A. W., Putten, W. L. J. van, Sonneveld, P., Huijgens, P. C., Lelie, J. van der, Vellenga, E., Gratwohl, A., Verhoef, G. E. G., Verdonck, L. F., Lowenberg, B. Autologous bone marrow transplantation as consolidation therapy in the treatment of adult patients under 60 years with acute myeloid leukaemia in first complete remission: a prospective randomized Dutch-Belgian Haemato-Oncology Co-operative Group (HOVON) and Swiss Group for Clinical Cancer Research (SAKK) trial. *British Journal of Haematology* 128(1): 59-65, 2005.
- Breeuwsma, A. J., Pruijm, J., Jongen, M. M., Suurmeijer, A. J., Vaalburg, W., Nijman, R. J., Jong, I. J. de. In vivo uptake of [C-11]choline does not correlate with cell proliferation in human prostate cancer. *European Journal of Nuclear Medicine and Molecular Imaging* 32(6): 668-673, 2005.
- Breukink, S. O., Pierie, J. P. E. N., Grond, A. J. K., Hoff, C., Wiggers, T., Meijerink, W. J. H. J. Laparoscopic versus open total mesorectal excision: a case-control study. *International Journal of Colorectal Disease* 20(5): 428-433, 2005.
- Breukink, S. O., Grond, A. J. K., Pierie, J. P. E., Hoff, C., Wiggers, T., Meijerink, W. J. H. J. Laparoscopic vs open total mesorectal excision for rectal cancer. *Surgical Endoscopy and Other Interventional Techniques* 19(3): 307-310, 2005.
- Briet, J. M., Hollema, H., Reesink, N., Aalders, J. G., Mourits, M. J. E., Hoor, K. A. ten, Pras, E., Boezen, H. M., Zee, A. G. J. van der, Nijman, H. W. Lymphovascular space involvement: an independent prognostic factor in endometrial cancer. *Gynecologic Oncology* 96(3): 799-804, 2005.
- Brooks, A. S., Bertoli-Avella, A. M., Burzynski, G. M., Breedveld, G. J., Osinga, J., Boven, L. G., Hurst, J. A., Mancini, G. M. S., Lequin, M. H., Coo, R. F. de, Matera, I., Graaff, E. de, Meijers, C., Willems, P. J., Tibboel, D., Oostra, B. A., Hofstra, R. M. W. Homozygous nonsense mutations in KIAA1279 are associated with malformations of the central and enteric nervous systems. *American Journal of Human Genetics* 77(1): 120-126, 2005.
- Bruin, J. H. de, Kievit, W., Ligtenberg, M. J., Nagengast, F. M., Adang, E. M., Ruers, T. J., Kleibeuker, J. H., Sijmons, R. H., Krieken, J. H. van, Hoogerbrugge, N. Meer opsporing van erfelijke darmkanker met onderzoek op microsatellietinstabiliteit bij door de patholoog geselecteerde patiënten met een colon-rectumcarcinoom. [More hereditary intestinal cancer can be detected if patients with colorectal carcinoma that are selected by the pathologist are examined for microsatellite instability]. *Nederlands Tijdschrift Voor Geneeskunde* 149(32): 1792-1798, 6-8-2005.
- Burlage, F. R., Pijpe, J., Coppes, R. P., Hemels, M. E. W., Meertens, H., Canrinus, A., Vissink, A. Variability of flow rate when collecting stimulated human parotid saliva. *European Journal of Oral Sciences* 113(5): 386-390, 2005.
- Buursma, A. R., Beerens, A. M. J., Vries, E. F. J. de, Waarde, A. van, Rots, M. G., Hospers, G. A. P., Vaalburg, W., Haisma, H. J. The human norepinephrine transporter in combination with C-11-m-hydroxyephedrine as a reporter gene/reporter probe for PET of gene therapy. *Journal of Nuclear Medicine* 46(12): 2068-2075, 2005.
- Buursma, A. R., Vries, E. F. J. de, Garssen, J., Kegler, D., Waarde, A. van, Schirm, J., Hospers, G. A. P., Mulder, N. H., Vaalburg, W., Klein, H. C. [F-18]FHPG positron emission tomography for detection of herpes simplex virus (HSV) in experimental HSV encephalitis. *Journal of Virology* 79(12): 7721-7727, 2005.
- Bystrykh, L., Weersing, E., Dontje, B., Sutton, S., Pletcher, M. T., Wiltshire, T., Su, A. I., Vellenga, E., Wang, J. T., Manly, K. F., Lu, L., Chesler, E. J., Alberts, R., Jansen, R. C., Williams, R. W., Cooke, M. P., Haan, G. de. Uncovering regulatory pathways that affect hematopoietic stem cell function using 'genetical genomics'. *Nature Genetics* 37(3): 225-232, 2005.
- Caponigro, F., Willemsen, P., Sorio, R., Floquet, A., Belle, S. van, Demol, J., Tambaro, R., Comandini, A., Capriati, A., Adank, S., Wanders, J. A phase II study of sabarubicin (MEN-10755) as second line therapy in patients with locally advanced or

- metastatic platinum/taxane resistant ovarian cancer. *Investigational New Drugs* 23(1): 85-89, 2005.
- Coppes, R. P., Meter, A., Latumalea, S. P., Roffel, A. F., Kampinga, H. H. Defects in muscarinic receptor-coupled signal transduction in isolated parotid gland cells after in vivo irradiation: evidence for a non-DNA target of radiation. *Journal of Cancer* 92(3): 539-546, 2005.
- Daryanani, D., Plukker, J. T., Jong, M. A. de, Haaxma-Reiche, H., Nap, R., Kuiper, H., Hoekstra, H. J. Increased incidence of brain metastases in cutaneous head and neck melanoma. *Melanoma Research* 15(2): 119-124, 2005.
- Deen, M. van der, Vries, E. G. E. de, Timens, W., Scheper, R. J., Timmer-Bosscha, H., Postma, D. S. ATP-binding cassette (ABC) transporters in normal and pathological lung. *Respiratory Research* 6(1): 59, 2005.
- Diepstra, A., Niens, M., Vellenga, E., Imhoff, G. W. van, Nolte, I. M., Schaapveld, M., Steege, G. van der, Berg, A. van den, Kibbelaar, R. E., Meerman, G. J. te, Poppema, S. Association with HLA class I in Epstein-Barr-virus-positive and with HLA class III in Epstein-Barr-virus-negative Hodgkin's lymphoma. *Lancet* 365(9478): 2216-2224, 2005.
- Diepstra, A., Niens, M., Meerman, G. J. te, Poppema, S., Berg, A. van den. Genetic susceptibility to Hodgkin's lymphoma associated with the human leukocyte antigen region. *European Journal of Haematology* 75(Suppl. 66): 34-41, 2005.
- Dijkstra, J. R., Bock, G. H. de, Mourits, M. J. E. The clinical value and the cost-effectiveness of follow-up in endometrial cancer patients. *International Journal of Gynecological Cancer* 15(5): 991-992, 2005.
- Dijkstra, P. U., Huisman, P. M., Roodenburg, J. L. N. Criteria for trismus in head and neck oncology. *International Journal of Oral and Maxillofacial Surgery* 35(4): 337-342, 2005.
- Dillen, I. J. van, Mulder, N. H., Meijer, C., Dam, W. A., Kamstra, E., Vries, L. de, Meersma, G. J., Zee, A. G. J. van der, Vries, E. F. J. de, Vaalburg, W., Hospers, G. A. P. Antagonism of HSV-tk transfection and ganciclovir treatment on chemotherapeutic drug sensitivity. *Journal of Chemotherapy* 17(3): 289-296, 2005.
- Dillen, I. J. van, Mulder, N. H., Sluiter, W. J., Meijer, C., Jong, S. de, Loncarek, J., Mesnil, M., Vries, E. F. J. de, Vaalburg, W., Hospers, G. A. P. Influence of p53 status on the HSV-Tk/GCV-induced bystander effect in a panel of human ovarian carcinoma cell lines. *Oncology Research* 15(3): 151-159, 2005.
- Dillen, I. J. van, Mulder, N. H., Sluiter, W. J., Meijer, C., Jong, S. de, Loncarek, J., Mesnil, M., Vries, E. F. J. de, Vaalburg, W., Hospers, G. A. P. Consequences of chemoresistance for the herpes simplex virus thymidine kinase/ganciclovir-induced bystander effect in a human small cell lung cancer cell line model. *Anticancer Research* 25(1A): 255-261, 2005.
- Domingo, E., Niessen, R. C., Oliveira, C., Alhopuro, P., Moutinho, C., Espin, E., Armengol, M., Sijmons, R. H., Kleibeuker, J. H., Seruca, R., Aaltonen, L. A., Imai, K., Yamamoto, H., Schwartz, S., Hofstra, R. M. W. RRAF-V600E is not involved in the colorectal tumorigenesis of HNPCC in patients with functional MLH1 and MSH2 genes. *Oncogene* 24(24): 3995-3998, 2005.
- Drayer, A. L., Boer, A. K., Los, E. L., Esselink, M. T., Vellenga, E. Stem cell factor synergistically enhances thrombopoietin-induced STAT5 signaling in megakaryocyte progenitors through JAK2 and Src kinase. *Stem Cells* 23(2): 240-251, 2005.
- Dreyling, M., Lenz, G., Hoster, E., Hoof, A. van, Gisselbrecht, C., Schmits, R., Metzner, B., Truemper, L., Reiser, M., Steinhauer, H., Boiron, J. M., Boogaerts, M. A., Aldaoud, A., Silingardi, V., Kluijn-Nelemans, H. C., Hasford, J., Parwaresch, R., Unterhalt, M., Hiddemann, W. Early consolidation by myeloablative radiochemotherapy followed by autologous stem cell transplantation in first remission significantly prolongs progression-free survival in mantle-cell lymphoma: results of a prospective randomized trial of the European MCL Network. *Blood* 105(7): 2677-2684, 2005.
- Dullaart, R. P. F., Riemens, S. C., Meinardi, J. R., Wolffenbuttel, B. H. R., Sluiter, W. J. Plasma adiponectin is modestly decreased during 24-hour insulin infusion but not after inhibition of lipolysis by Acipimox. *Scandinavian Journal of Clinical & Laboratory Investigation* 65(6): 523-531, 2005.
- Eindhoven, G. B., Diercks, R. L., Richardson, F. J., Raaij, J. J. A. M. van, Hagenaars, J. A. M., Horn, J. R. van, Wolf, J. T. M. de. Adjusted transfusion triggers improve transfusion practice in orthopaedic surgery. *Transfusion Medicine* 15(1): 13-18, 2005.
- Elias, M., Zanten, J. van, Hospers, G. A. P., Sretirokromo, A., Jong, M. A. de, Leij, L. F. M. H. de, Mulder, N. H. Closed system generation of dendritic cells from a single blood volume for clinical application in immunotherapy. *Journal of Clinical Apheresis* 20(4): 197-207, 2005.
- Elsinga, P. H., Hendrikse, N. H., Bart, J., Waarde, A. van, Vaalburg, W. Positron emission tomography studies on binding of central nervous system drugs and p-glycoprotein function in the rodent brain. *Molecular Imaging & Biology* 7(1): 37-44, 2005.
- Farshadpour, F., Schaapveld, M., Suurmeijer, A. J. H., Wymenga, A. N. M., Otter, R., Hoekstra, H. J. Soft tissue sarcoma: why not treated? *Critical Reviews in Oncology Hematology* 54(1): 77-83, 2005.
- Fleer, J., Sleijfer, D. T., Hoekstra, H. J., Tuinman, M. A., Hoekstra-Weebers, J. E. H. M. Prevalence, changes in and correlates of fatigue in the first year after diagnosis of testicular cancer. *Anticancer Research* 25(6C): 4647-4653, 2005.
- Francken, A. B., Bastiaannet, E., Hoekstra, H. J. Follow-up in patients with localised primary cutaneous melanoma. *Lancet Oncology* 6(8): 608-621, 2005.
- Fuhler, G. M., Knol, G. J., Drayer, A. L., Vellenga, E. Impaired interleukin-8 and GRO alpha-induced phosphorylation of extracellular signal-regulated kinase result in decreased migration of neutrophils from patients with myelodysplasia. *Journal of Leukocyte Biology* 77(2): 257-266, 2005.
- Fukumoto, T., Kema, I. P., Levin, M. Serotonin signaling is a very early step in patterning of the left-right axis in chick and frog embryos. *Current Biology* 15(9): 794-803, 2005.
- Glas, A. M., Kersten, M. J., Delahaye, L. J. M. J., Witteveen, A. T., Kibbelaar, R. E., Velds, A., Wessels, L. F. A., Joosten, P., Kerkhoven, R. M., Bernards, R., Krieken, J. H. J. M. van, Kluijn, P. M., Veer, L. J. van t, Jong, D. de. Gene expression profiling in follicular lymphoma to assess clinical aggressiveness and to guide the choice of treatment. *Blood* 105(1): 301-307, 2005.
- Greef, G. E. de, Putten, W. J. L. van, Boogaerts, M., Huijgens, P. C., Verdonck, L. F., Vellenga, E., Theobald, M., Jacky, E., Lowenberg, B. Criteria for defining a complete remission in acute myeloid leukaemia revisited. An analysis of patients treated in HOVON-SAKK co-operative group studies. *British Journal of Haematology* 128(2): 184-191, 2005.

- Greuter, M. J. W., Dorgelo, J., Tukker, W. G. J., Oudkerk, M. Study on motion artifacts in coronary arteries with an anthropomorphic moving heart phantom on an ECG-gated multidetector computed tomography unit. *European Radiology* 15(5): 995-1007, 2005.
- Groninger, E., Meeuwse-de Boer, T., Koopmans, P., Uges, D., Sluiter, W., Veerman, A., Kamps, W., Graaf, S. de. Vincristine pharmacokinetics and response to vincristine monotherapy in an up-front window study of the Dutch Childhood Leukaemia Study Group (DCLSG). *European Journal of Cancer* 41(1): 98-103, 2005.
- Groot, D. J. A. de, Timmer, T., Spierings, D. C. J., Le, T. K. P., Jong, S. de, Vries, E. G. E. de. Indomethacin-induced activation of the death receptor-mediated apoptosis pathway circumvents acquired doxorubicin resistance in SCLC cells. *British Journal of Cancer* 92(8): 1459-1466, 2005.
- Groot, J. W. B. de, Zonnenberg, B. A., Plukker, J. T. M., Graaf, W. T. A. van der, Links, T. P. Imatinib induces hypothyroidism in patients receiving levothyroxine. *Clinical Pharmacology & Therapeutics* 78(4): 433-438, 2005.
- Groot, J. W. B. de, Sijmons, R. H., Links, T. P., Plukker, J. T. M., Hofstra, T. M. W. Medullary thyroid cancer in a patient with Hirschsprung disease with a C609Y germline RET-mutation. *Journal of Pediatric Gastroenterology and Nutrition* 40(2): 226-229, 2005.
- Groot, J. W. de, Links, T., Plukker, J. Disseminated medullary thyroid cancer after early thyroid surgery in multiple endocrine neoplasia type 2A. *Thyroid* 15(10): 1205-1206, 2005.
- Groot, J. W. de, Links, T. P., Plukker, J. T. Een maligne mammatumor: niet altijd een primair mammacarcinoom. [A malignant tumour in the breast is not always primary breast cancer]. *Nederlands Tijdschrift Voor Geneeskunde* 149(25): 1426, 18-6-2005.
- Guikema, J. E. J., Fenton, J. A. L., Boer, C. de, Kleiverda, K., Brink, A. A. T. P., Raap, A. K., Estrov, Z., Schuurring, E., Kluin, P. M. Complex biallelic IGH rearrangements in IgM-expressing Z-138 cell line: Involvement of downstream immunoglobulin class switch recombination. *Genes Chromosomes & Cancer* 42(2): 164-169, 2005.
- Guilkema, D. E. J., Rosati, S., Akkermans, K., Bende, R. J., Noesel, C. J. M. van, Krieken, J. H. van, Hansmann, M. L., Schuurring, E., Kluin, P. M. Quantitative RT-PCR analysis of activation-induced cytidine deaminase expression in tissue samples from mantle cell lymphoma and B-cell chronic lymphocytic leukemia patients. *Blood* 105(7): 2997-2998, 2005.
- Haan, G. de. A novel growth factor encoded by an old gene. *Haematologica* 90(2): 152, 2005.
- Haan, G. de, William, R. W. A genetic and genomic approach to identify longevity genes in mice. *Mechanisms of Ageing and Development* 126(1): 133-138, 2005.
- Hageman, J., Eggen, B. J., Rozema, T., Damman, K., Kampinga, H. H., Coppes, R. P. Radiation and transforming growth factor-beta cooperate in transcriptional activation of the profibrotic plasminogen activator inhibitor-1 gene. *Clinical Cancer Research* 11(16): 5956-5964, 2005.
- Haralambieva, E., Boerma, E. J., Imhoff, G. W. van, Rosati, S., Schuurring, E., Muller-Hermelink, H. K., Kluin, P. M., Ott, G. Clinical, immunophenotypic, and genetic analysis of adult lymphomas with morphologic features of Burkitt lymphoma. *American Journal of Surgical Pathology* 29(8): 1086-1094, 2005.
- Hasford, J., Pffirmann, M., Shepherd, P., Guilhot, J., Hehlmann, R., Mahon, F. X., Kluin-Nelemans, H. C., Ohnishi, K., Steegmann, J. L., Thaler, J. The impact of the combination of baseline risk group and cytogenetic response on the survival of patients with chronic myeloid leukemia treated with interferon-alpha. *Haematologica* 90(3): 335-340, 2005.
- Haveman, J. W., Phan, H. T. T., Links, T. P., Jager, P. L., Plukker, J. T. M. Implications of mediastinal uptake of I-131 with regard to surgery in patients with differentiated thyroid carcinoma. *Cancer* 103(1): 59-67, 2005.
- Heeren, P., Plukker, J., Dulemen, H. van, Nap, R., Hollema, H. Prognostic role of cyclooxygenase-2 expression in esophageal carcinoma. *Cancer Letters* 225(2): 283-289, 2005.
- Heeren, P. A. M., Kelder, W., Blondeel, I., Westeenen, H. L. van, Hollema, H., Plukker, J. T. Prognostic value of nodal micrometastases in patients with cancer of the gastro-oesophageal junction. *European Journal of Surgical Oncology* 31(3): 270-276, 2005.
- Heijink, I. H., Vellenga, E., Oostendorp, J., Monchy, J. G. R. de, Postma, D. S., Kauffman, H. F. Exposure to TARC alters beta(2)-adrenergic receptor signaling in human peripheral blood T lymphocytes. *American Journal of Physiology - Lung Cellular and Molecular Physiology* 289(1): L53-L59, 2005.
- Hem, P. S. van der, Nauta, J. M., Wal, J. E. van der, Roodenburg, J. L. N. The results of CO2 laser surgery in patients with oral leukoplakia: a 25 year follow. *Oral Oncology* 41(1): 31-37, 2005.
- Hoekstra, R., Vos, F. Y. F. L. de, Eskens, F. A. L. M., Gietema, J. A., Gaast, A. van der, Groen, H. J. M., Knight, R. A., Carr, R. A., Humerickhouse, R. A., Verweij, J., Vries, E. G. E. de. Phase I safety, pharmacokinetic, and pharmacodynamic study of the thrombospondin-1-mimetic angiogenesis inhibitor ABT-510 in patients with advanced cancer. *Journal of Clinical Oncology* 23(22): 5188-5197, 2005.
- Holt, B. van der, Lowenberg, B., Burnett, A. K., Knauf, W. U., Shepherd, J., Piccaluga, P. P., Ossenkoppele, G. J., Verhoef, G. E. G., Ferrant, A., Crump, M., Selleslag, D., Theobald, M., Fey, M. F., Vellenga, E., Dugan, M., Sonneveld, P. The value of the MDR1 reversal agent PSC-833 in addition to daunorubicin and cytarabine in the treatment of elderly patients with previously untreated acute myeloid leukemia (AML), in relation to MDR1 status at diagnosis. *Blood* 106(8): 2646-2654, 2005.
- Homsy, A., Koster, S., Eijkel, J. C., Berg, A. van den, Lucklum, F., Verpoorte, E., Rooij, N. F. de. A high current density DC magnetohydrodynamic (MHD) micropump. *Lab on a Chip* 5(4): 466-471, 2005.
- Hougardy, B. M., Maduro, J. H., Zee, A. G. J. van der, Willemse, P. H. B., Jong, S. de, Vries, E. G. E. de. Clinical potential of inhibitors of survival pathways and activators of apoptotic pathways in treatment of cervical cancer: changing the apoptotic balance. *Lancet Oncology* 6(8): 589-598, 2005.
- Hougardy, B. M. T., Zee, A. G. J. van der, Heuvel, F. A. J. van den, Timmer, T., Vries, E. G. E. de, Jong, S. de. Sensitivity to Fas-mediated apoptosis in high-risk HPV-positive human cervical cancer cells: Relationship with Fas, caspase-8, and Bid. *Gynecologic Oncology* 97(2): 353-364, 2005.
- Houwerzijl, E. J., Blom, N. R., Want, J. J. L. van der, Louwes, H., Esselink, M. T., Smit, J. W., Vellenga, E., Wolf, J. T. M. de. Increased peripheral platelet destruction and caspase-3-independent programmed cell death of bone marrow megakaryocytes in myelodysplastic patients. *Blood* 105(9): 3472-3479, 2005.

- Houwerzijl, E. J., Louwes, H., Esselink, M. T., Smit, J. W., Vellenga, E., Wolf, J. T. M. de. Increased glycolocalicin index and normal thrombopoietin levels in patients with idiopathic thrombocytopenic purpura with a decreased rate of platelet production. *Haematologica-the Hematology Journal* 90(5): 710-711, 2005.
- Hovenga, S., Daenen, S. M. G. J., Wolf, J. T. M. de, Imhoff, G. W. van, Kluin-Nelemans, H. C., Sluiter, W. J., Vellenga, E. Combined thalidomide and cyclophosphamide treatment for refractory or relapsed multiple myeloma patients: a prospective phase II study. *Annals of Hematology* 84(5): 311-316, 2005.
- Huizinga, G. A., Visser, A., Graaf, W. T. A. van der, Hoekstra, H. J., Klip, E. C., Pras, E., Hoekstra-Weebers, J. E. H. M. Stress response symptoms in adolescent and young adult children of parents diagnosed with cancer. *European Journal of Cancer* 41(2): 288-295, 2005.
- Huizinga, G. A., Visser, A., Graaf, W. T. A. van der, Hoekstra, H. J., Hoekstra-Weebers, J. E. H. M. The quality of communication between parents and adolescent children in the case of parental cancer. *Annals of Oncology* 16(12): 1956-1961, 2005.
- Hullu, J. A. de, Pras, E., Hollema, H., Zee, A. G. J. van der, Bogchelman, D. H., Mourits, M. J. E. Presentations of endometrial activity after curative radiotherapy for cervical cancer. *Maturitas* 51(2): 172-176, 2005.
- Hullu, J. A. de, Zee, A. G. van der. Chirurgische behandeling van vulvacarcinoom in een vroeg stadium en de complicaties van de ingreep. [Surgical treatment of early-stage vulva carcinoma and the complications of the operation]. *Nederlands Tijdschrift Voor Geneeskunde* 149(7): 336-342, 12-2-2005.
- Hut, H. M. J., Rembacz, K. P., Waarde, M. A. W. H. van, Lemstra, W., Cappellen, W. A. van, Kampinga, H. H., Sibon, O. C. M. Dysfunctional BRCA1 is only indirectly linked to multiple centrosomes. *Oncogene* 24(51): 7619-7623, 2005.
- Hut, H. M. J., Kampinga, H. H., Sibon, O. C. M. Hsp70 protects mitotic cells against heat-induced centrosome damage and division abnormalities. *Molecular Biology of the Cell* 16(8): 3776-3785, 2005.
- Ijken, M. G. A. van, Etten, B. van, Guetens, G., Bruijn, E. A. de, Hagen, T. L. M. ten, Wiggers, T., Eggermont, A. M. M. Balloon catheter hypoxic pelvic perfusion with mitomycin C and melphalan for locally advanced tumours in the pelvic region: A phase I-II trial. *European Journal of Surgical Oncology* 31(8): 897-904, 2005.
- Imhoff, G. W. van, Holt, B. van der, MacKenzie, M. A., Veer, M. B. van t, Wijermans, P. W., Ossenkoppele, G. L., Schouten, H. C., Sonneveld, P., Steijaert, M. M. C., Kluin, P. M., Kluin-Nelemans, N. C., Verdonck, L. F. Impact of three courses of intensified CHOP prior to high-dose sequential therapy followed by autologous stem-cell transplantation as first-line treatment in poor-risk, aggressive non-Hodgkin's lymphoma: comparative analysis of Dutch-Belgian hemato-oncology cooperative group studies 27 and 40. *Journal of Clinical Oncology* 23(16): 3793-3801, 2005.
- Imhoff, G. W. van, Holt, B. van der, MacKenzie, M. A., Ossenkoppele, G. J., Wijermans, P. W., Kramer, M. H. H., Veer, M. B. van t, Schouten, H. C., Kooy, M. V., Oers, M. H. J. van, Raemaekers, J. M. M., Sonneveld, P., Meulendijks, L. A. M. H., Kluin, P. M., Kluin-Nelemans, H. C., Verdonck, L. F. Short intensive sequential therapy followed by autologous stem cell transplantation in adult Burkitt, Burkitt-like and lymphoblastic lymphoma. *Leukemia* 19(6): 945-952, 2005.
- Irwani, R., Sijens, P. E., Potze, J. H., Oudkerk, M. Correlation of proton MR spectroscopy and diffusion tensor imaging. *Magnetic Resonance Imaging* 23(8): 851-858, 2005.
- Jaeger, K. de, Seppenwoolde, Y., Lebesque, J. V., Kampinga, H. H. In response to Drs. Anscher and Kong. *International Journal of Radiation Oncology Biology Physics* 63(1): 308, 2005.
- Jager, P. L., Mansour, K., Vrakink-de Zoete, H., Poot, L., Hooijmans, J. M. M., Bruin, K. J., Blanksma, L. J. Clinical value of dacryoscintigraphy using a simplified analysis. *Graefes Archive for Clinical and Experimental Ophthalmology* 243(11): 1134-1140, 2005.
- Jager, P. L., Korte, M. A. de, Lub-de Hooge, M. N., Waarde, A. van, Koopmans, K. P., Perik, P. J., Vries, E. G. de. Molecular imaging: what can be used today. *Cancer Imaging 5 Spec No A: S27-S32*, 2005.
- Jalving, M., Koornstra, J. J., Jong, S. de, Vries, E. G. E. de, Kleibeuker, J. H. Review article: the potential of combinational regimen with non-steroidal anti-inflammatory drugs in the chemoprevention of colorectal cancer. *Alimentary Pharmacology & Therapeutics* 21(4): 321-339, 2005.
- Jansen, N. C., Kingma, A., Tellegen, P., Dommelen, R. I. van, Bouma, A., Veerman, A., Kamps, W. A. Feasibility of neuropsychological assessment in leukaemia patients shortly after diagnosis: directions for future prospective research. *Archives of Disease in Childhood* 90(3): 301-304, 2005.
- Jansman, F. G. A., Jansen, A. J. A., Coenen, J. L. L., Graaf, J. C. de, Smit, W. M., Sleijfer, D. T., Brouwers, J. R. B. Assessing the clinical significance of drug interactions with fluorouracil in patients with colorectal cancer. *American Journal of Health - System Pharmacy* 62(17): 1788-1793, 2005.
- Jansman, F. G. A., Idzinga, F. S. F., Smit, W. M., Graaf, J. C. de, Coenen, J. L. L. M., Sleijfer, D. T., Brouwers, J. R. B. J. Classification and occurrence of clinically significant drug interactions with irinotecan and oxaliplatin in patients with metastatic colorectal cancer. *Clinical Therapeutics* 27(3): 327-335, 2005.
- Janssen, C. H. C., Kuijpers, D., Vliegthart, R., Overbosch, J., Dijkman, P. R. M. van, Zijlstra, F., Oudkerk, M. Coronary artery calcification score by multislice computed tomography predicts the outcome of dobutamine cardiovascular magnetic resonance imaging. *European Radiology* 15(6): 1128-1134, 2005.
- Jong, A. E. de, Morreau, H., Nagengast, F. M., Mathus-Vliegen, E. M. H., Kleibeuker, J. H., Griffioen, G., Cats, A., Vasen, H. F. A. Prevalence of adenomas among young individuals at average risk for colorectal cancer. *American Journal of Gastroenterology* 100(1): 139-143, 2005.
- Jong, K. P. de, Gouw, A. S. H., Peeters, P. M. J. G., Bulthuis, M., Menkema, L., Porte, R. J., Slooff, M. J. H., Goor, H. van, Berg, A. van den. P53 mutation analysis of colorectal liver metastases: Relation to actual survival, angiogenic status, and p53 overexpression. *Clinical Cancer Research* 11(11): 4067-4073, 2005.
- Jong, M. M. de, Nolte, J. M., Meerman, G. J. T., Graaf, W. T. A. van der, Oosterom, E., Bruinenberg, M., Steege, G. van der, Oosterwijk, J. C., Hout, A. H. van der, Boezen, H. M., Schaapveld, M., Kleibeuker, J. H., Vries, E. G. E. de. No increased susceptibility to breast cancer from combined CHEK2 1100delC genotype and the HLA class III region risk factors. *European Journal of Cancer* 41(12): 1819-1823, 2005.

- Jong, M. M. de, Nolte, I. M., Meerman, G. J. T., Graaf, W. T. A. van der, Mulder, M. J., Steege, G. van der, Bruinenberg, M., Schaapveld, M., Niessen, R. C., Berends, M. J. W., Sijmons, R. H., Hofstra, R. M. W., Vries, E. G. E. de, Kleibeuker, J. H. Colorectal cancer and the CHEK2 1100delC mutation. *Genes Chromosomes & Cancer* 43(4): 377-382, 2005.
- Jong, M. M. de, Niens, M., Nolte, J. M., Meerman, G. J. te, Graaf, W. T. A. van der, Mulder, M. J., Steege, G. van der, Bruinenberg, M., Schaapveld, M., Sijmons, R. H., Hofstra, R. M. W., Vries, E. G. E. de, Kleibeuker, J. H. The human leukocyte antigen region and colorectal cancer risk. *Diseases of the Colon & Rectum* 48(2): 303-306, 2005.
- Jong, W. K. de, Graaf, W. T. A. van der, Jagt, E. J. van der, Klinkenberg, T. J., Groen, H. J. M., Timens, W., Douma, W. R. A 20-year-old male with thoracic pain and a lower thoracic mass. *European Respiratory Journal* 26(4): 740-743, 2005.
- Jongen, V. H. W. M., Thijssen, J. H. H., Hollema, H., Donker, G. H., Santema, J. G., Zee, A. G. J. van der, Heineman, M. J. Is aromatase cytochrome P450 involved in the pathogenesis of endometrioid endometrial cancer? *International Journal of Gynecological Cancer* 15(3): 529-536, 2005.
- Kamminga, L. M., Os, R. van, Ausema, A., Noach, E. J. K., Weersing, E., Dontje, B., Vellenga, E., Haan, G. de. Impaired hematopoietic stem cell functioning after serial transplantation and during normal aging. *Stem Cells* 23(1): 82-92, 2005.
- Kampinga, H. H., Laszlo, A. DNA double strand breaks do not play a role in heat-induced cell killing. *Cancer Research* 65(22): 10632-10633, 2005.
- Kappers-Klunne, M. C., Wijermans, P., Fijnheer, R., Croockewit, A. J., Holt, B. van der, Wolf, J. T. M. de, Lowenberg, B., Brand, A. Splenectomy for the treatment of thrombotic thrombocytopenic purpura. *British Journal of Haematology* 130(5): 768-776, 2005.
- Kardos, G., Zwaan, C. M., Kaspers, G. J. L., Graaf, S. S. N. de, Bont, E. S. J. M. de, Postma, A., Bokkerink, J. P. M., Weening, R. S., Does-van den Berg, van der, Wering, E. R. van, Korbijn, C., Hahlen, K. Treatment strategy and results in children treated on three Dutch Childhood Oncology Group acute myeloid leukemia trials. *Leukemia* 19(12): 2063-2071, 2005.
- Kawamura, K., Kubota, K., Kobayashi, T., Elsinga, P. H., Ono, M., Maeda, M., Ishiwata, K. Evaluation of [C-11]SA5845 and [C-11]SA4503 for imaging of sigma receptors in tumors by animal PET. *Annals of Nuclear Medicine* 19(8): 701-709, 2005.
- Kievit, W., Bruin, J. H. F. M. de, Adang, E. M. M., Severens, J. L., Kleibeuker, J. H., Sijmons, R. H., Ruers, T. J., Nagengast, F. M., Vasen, H. F. A., Krieken, J. H. J. M. van, Ligtenberg, M. J. L., Hoogerbrugge, N. Cost effectiveness of a new strategy to identify HNPCC patients. *Gut* 54(1): 97-102, 2005.
- Klijn, J. G., Vries, E. G. de. De waarde van genexpressieprofielen vastgesteld met microarrays voor het individualiseren van adjuvante therapie bij patienten na chirurgische behandeling wegens mammacarcinoom. [The value of gene expression profiles using microarrays for the individualisation of adjuvant therapy after surgery for breast cancer]. *Nederlands Tijdschrift Voor Geneeskunde* 149(12): 618-622, 19-3-2005.
- Kluiver, J., Poppema, S., Jong, D. de, Blokzijl, T., Harms, G., Jacobs, S., Kroesen, B. J., Berg, A. van den. BIC and miR-155 are highly expressed in Hodgkin, primary mediastinal and diffuse large B cell lymphomas. *Journal of Pathology* 207(2): 243-249, 2005.
- Konings, A. W. T., Cotteleer, F., Faber, H., Luijk, P. van, Meertens, H., Coppes, R. P. Volume effects and region-dependent radiosensitivity of the parotid gland. *International Journal of Radiation Oncology Biology Physics* 62(4): 1090-1095, 2005.
- Konings, A. W. T., Coppes, R. P., Vissink, A. On the mechanism of salivary gland radiosensitivity. *International Journal of Radiation Oncology Biology Physics* 62(4): 1187-1194, 2005.
- Konings, A. W. T., Faber, H., Vissink, A., Coppes, R. P. Radioprotective effect of amifostine on parotid gland functioning is region dependent. *International Journal of Radiation Oncology Biology Physics* 63(5): 1584-1591, 2005.
- Koopal, S. A., Tiebosch, A. T. M. G., Daryanani, D., Plukker, J. T. M., Hoekstra, H. J. Extra nodal growth as a prognostic factor in malignant melanoma. *European Journal of Surgical Oncology* 31(1): 88-94, 2005.
- Koopmans, K. P., Brouwers, A. H., Hooge, M. N. de, Horst-Schrivers, A. N. van der, Kema, I. P., Wolffenbuttel, B. H., Vries, E. G. de, Jager, P. L. Carcinoid crisis after injection of 6-F-18-fluorodihydroxyphenylalanine in a patient with metastatic carcinoid. *Journal of Nuclear Medicine* 46(7): 1240-1243, 2005.
- Koornstra, J. J., Jalving, M., Rijcken, F. E. M., Westra, J., Zwart, N., Hollema, H., Vries, E. G. E. de, Hofstra, R. W. M., Plukker, J. T. M., Jong, S. de, Kleibeuker, J. H. Expression of tumour necrosis factor-related apoptosis-inducing ligand death receptors in sporadic and hereditary colorectal tumours: Potential targets for apoptosis induction. *European Journal of Cancer* 41(8): 1195-1202, 2005.
- Koornstra, J. J., Rijcken, F. E. M., Oldenhuis, C. N. A. M., Zwart, N., Sluis, T. van der, Hollema, H., deVries, E. G. E., Keller, J. J., Offerhaus, J. A., Giardiello, F. M., Kleibeuker, J. H. Sulindac inhibits beta-catenin expression in normal-appearing colon of hereditary nonpolyposis colorectal cancer and familial adenomatous polyposis patients. *Cancer Epidemiology Biomarkers & Prevention* 14(7): 1608-1612, 2005.
- Kramer, H., Groen, H. J. M. Diagnosis of mediastinal and left adrenal abnormalities with endoscopic ultrasonography. *Respiratory Medicine* 99(7): 926-928, 2005.
- Kramer, H., Putten, J. W. G. van, Douma, W. R., Smidt, A. A., Dulleman, H. M. van, Groen, H. J. M. Technical description of endoscopic ultrasonography with fine-needle aspiration for the staging of lung cancer. *Respiratory Medicine* 99(2): 179-185, 2005.
- Kriege, M., Brekelmans, C. T. M., Boetes, C., Besnard, P. E., Zonderland, H. M., Obdeijn, I. M., Manoliu, R. A., Kok, T., Peterse, H., Tilanus-Linhorst, M. M. A., Muller, S. H., Meijer, S., Oosterwijk, J. C., Beex, L. V. A. M., Tollenaar, R. A. E. M., Koning, H. J. de, Rutgers, T., Klijn, J. G. M. Efficacy of magnetic resonance imaging and mammography for breast cancer screening in women with a familial or genetic predisposition. *Obstetrical and Gynecological Survey* 60(2): 107-109, 2005.
- Kuper-Hommel, M. J., Snijder, S., Jansen-Heijnen, M. L., Vreugdenhil, A., Noordijk, E. M., Kluin-Nelemans, H. C., Coebergh, J. W., Krieken, J. H. van. Treatment and survival of patients with thyroid lymphoma: a population-based study with clinical and pathologic reviews. *Clinical Lymphoma and Myeloma* 6(3): 240-247, 2005.
- Lam, M. G. E. H., Lips, C. J. M., Jager, P. L., Dullaart, R. P. F., Lentjes, E. G. W. M., Rijk, P. P. van, Klerk, J. M. H. de. Repeated [I-131]metaiodobenzylguanidine therapy in two patients with malignant pheochromocytoma. *Journal of Clinical Endocrinology and Metabolism* 90(10): 5888-5895, 2005.

- Leegte, B., Hout, A. H. van der, Deffenbaugh, A. M., Bakker, M. K., Mulder, I. M., Berge, A. ten, Leenders, E. P., Wesseling, J., Hulle, J. de, Hoogerbrugge, N., Ligtenberg, M. J. L., Arden-Jones, A., Bancroft, E., Salmon, A., Barwell, J., Eeles, R., Oosterwijk, J. C. Phenotypic expression of double heterozygosity for BRCA1 and BRCA2 germline mutations. *Journal of Medical Genetics* 42(3): 2005.
- Links, T. P., Tol, K. M. van, Jager, P. L., Plukker, J. T. M., Piers, D. A., Boezen, H. M., Dullaart, R. P. F., Vries, E. G. E. de, Sluiter, W. J. Life expectancy in differentiated thyroid cancer: a novel approach to survival analysis. *Endocrine-Related Cancer* 12(2): 273-280, 2005.
- Lub-de Hooge, M. N., Vries, E. G. E. de, Jong, S. de, Bijl, M. Soluble TRAIL concentrations are raised in patients with systemic lupus erythematosus. *Annals of the Rheumatic Diseases* 64(6): 854-858, 2005.
- Luijk, P. van, Novakova-Jiresova, A., Faber, H., Schippers, J. M., Kampinga, H. H., Meertens, H., Coppes, R. P. Radiation damage to the heart enhances early radiation-induced lung function loss. *Cancer Research* 65(15): 6509-6511, 2005.
- Luijk, P. van, Bijl, H. P., Konings, A. W. T., Kogel, A. J. van der, Schippers, J. M. Data on dose-volume effects in the rat spinal cord do not support existing NTCP models. *International Journal of Radiation Oncology Biology Physics* 61(3): 892-900, 2005.
- Lutke Holzik, M. F., Storm, K., Sijmons, R. H., D'Hollander, M., Arts, E. G. J. M., Verstraaten, M. L., Sleijfer, D. T., Hoekstra, H. J. Absence of constitutional Y chromosome AZF deletions in patients with testicular germ cell tumors. *Urology* 65(1): 196-201, 2005.
- Madalinska, J. B., Hollenstein, J., Bleiker, E., Beurden, M. van, Valdimarsdottir, H. B., Massuger, L. F., Gaarenstroom, K. N., Mourits, M. J. E., Verheijen, R. H. M., Dorst, E. B. L. van, Putten, H. van der, Velden, K. van der, Boonstra, H., Aaronson, N. K. Quality-of-life effects of prophylactic salpingo-oophorectomy versus gynecologic screening among women at increased risk of hereditary ovarian cancer. *Journal of Clinical Oncology* 23(28): 6890-6898, 2005.
- Marijnen, C. A. M., Velde, C. J. H. van de, Putter, H., Brink, M. van den, Maas, C. P., Martijn, H., Rutten, H. J., Wiggers, T., Kranenbarg, E. K., Leer, J. W. H., Stiggelbout, A. M. Impact of short-term preoperative radiotherapy on health-related quality of life and sexual functioning in primary rectal cancer: Report of a multicenter randomized trial. *Journal of Clinical Oncology* 23(9): 1847-1858, 2005.
- Maring, J. G., Schouten, L., Greijdanus, B., Vries, E. G. E. de, Uges, D. R. A. A simple and sensitive fully validated HPLC-UV method for the determination of 5-fluorouracil and its metabolite 5,6-dihydrofluorouracil in plasma. *Therapeutic Drug Monitoring* 27(1): 25-30, 2005.
- Maring, J. G., Groen, H. J. M., Wachters, F. M., Uges, D. R. A., Vries, E. G. E. de. Genetic factors influencing pyrimidine-antagonist chemotherapy. *Pharmacogenomics Journal* 5(4): 226-243, 2005.
- Martinez-Ramirez, A., Urioste, M., Melchor, L., Blesa, D., Valle, L., Andres, S. A. de, Kok, K., Calasanz, M. J., Cigudosa, J. C., Benitez, J. Analysis of myelodysplastic syndromes with complex karyotypes by high-resolution comparative genomic hybridization and subtelomeric CGH array. *Genes Chromosomes & Cancer* 42(3): 287-298, 2005.
- Meer, P. van der, Lipsic, E., Westenbrink, B. D., Wal, R. M. A. van de, Schoemaker, R. G., Vellenga, E., Veldhuisen, D. J. van, Voors, A. A., Gilst, W. van. Levels of Hematopoiesis inhibitor N-acetyl-seryl-aspartyl-lysyl-proline partially explain the occurrence of anemia in heart failure. *Circulation* 112(12): 1743-1747, 2005.
- Meijler, W. J., Heest, F. van, Otter, R., Sleijfer, D. T. Educational needs of general practitioners in palliative care: Outcome of a focus group study. *Journal of Cancer Education* 20(1): 28-33, 2005.
- Menacho, I. P., Koster, R., Sloop, A. M. van der, Quax, W. J., Osinga, J., Sluis, T. van der, Hollema, H., Burzynski, G. M., Gimm, O., Buys, C. H. C. M., Eggen, B. J. L., Hofstra, R. M. W. RET-familial medullary thyroid carcinoma mutants Y791F and S891A activate a Src/JAK/STAT3 pathway, independent of glial cell line-derived neurotrophic factor. *Cancer Research* 65(5): 1729-1737, 1-3-2005.
- Morton, D. L., Cochran, A. J., Thompson, J. F., Elashoff, R., Essner, R., Glass, E. C., Mozzillo, N., Nieweg, O. E., Roses, D. F., Hoekstra, H. J., Karakousis, C. P., Reintgen, D. S., Coventry, B. J., Wang, H. J. Sentinel node biopsy for early-stage melanoma - Accuracy and morbidity in MSLT-I, an international multicenter trial. *Annals of Surgery* 242(3): 302-313, 2005.
- Moser, E. C., Noordijk, E. M., Carde, P., Tirelli, U., Baars, J. W., Thomas, J., Bron, D., Meerwaldt, J. H., Glabbeke, M. van, Raemaekers, J. M., Kluin-Nelemans, H. C. Late non-neoplastic events in patients with aggressive non-Hodgkin's lymphoma in four randomized European Organisation for Research and Treatment of Cancer trials. *Clinical Lymphoma and Myeloma* 6(2): 122-130, 2005.
- Mourits, M. J. E., Oosterwijk, J. C., Vries, J. de. Hereditary breast-ovarian cancer team of the University Medical Centre Groningen (UMCG) - A report. *Hereditary Cancer in Clinical Practice* 3(4): 179-180, 2005.
- Mulder, E. J., Oosterloo-Duinkerken, A., Anderson, G. M., Vries, E. G. E. de, Minderaa, R. B., Kema, I. P. Automated on-line solid-phase extraction coupled with HPLC for measurement of 5-hydroxyindole-3-acetic acid in urine. *Clinical Chemistry* 51(9): 1698-1703, 2005.
- Mulder, E. J., Anderson, G. M., Kema, I. P., Brugman, A. M., Ketelaars, C. E. J., Bildt, A. de, Lang, N. D. J. van, Boer, J. A. den, Minderaa, R. B. Serotonin transporter intron 2 polymorphism associated with rigid-compulsive behaviors in Dutch individuals with pervasive developmental disorder. *American Journal of Medical Genetics Part B-Neuropsychiatric Genetics* 133B(1): 93-96, 2005.
- Mulder, N. H. Nieuwe oncolytica en immunomodulantia en hun toepassing. [New oncolytic agents and immunomodulators and their application]. *Nederlands Tijdschrift Voor Geneeskunde* 149(26): 1438-1440, 25-6-2005.
- Muris, J. J. F., Cillessen, S. A. G. M., Vos, W., Houdt, I. S. van, Kummer, J. A., Krieken, J. H. J. M. van, Jiwa, N. M., Jansen, P. M., Kluin-Nelemans, H. C., Ossenkoppele, G. J., Gundy, C., Meijer, C. J. L. M., Oudejans, J. J. Immunohistochemical profiling of caspase signaling pathways predicts clinical response to chemotherapy in primary nodal diffuse large B-cell lymphomas. *Blood* 105(7): 2916-2923, 2005.
- Nieboer, P., Buijs, C., Rodenhuis, S., Seynaeve, C., Beex, L. V. A. M., Wall, E. van der, Richel, D. J., Nooij, M. A., Voest, E. E., Hupperets, P., Mulder, N. H., Graaf, W. T. A. van der, Vergert, E. M. ten, Tinteren, H. van, Vries, E. G. E. de. Fatigue and relating factors in high-risk breast cancer patients treated with adjuvant standard or high-dose chemotherapy: A longitudinal study. *Journal of Clinical Oncology* 23(33): 8296-8304, 2005.

- Nieboer, P., Vries, E. G. E. de, Mulder, N. H., Graaf, W. T. A. van der. Relevance of high-dose chemotherapy in solid tumours. *Cancer Treatment Reviews* 31(3): 210-225, 2005.
- Nielsen, M., Franken, P. F., Reinards, T. H. C. M., Weiss, M. M., Wagner, A., Klift, H. van der, Kloosterman, S., Houwing-Duistermaat, J. J., Aalfs, C. M., Ausems, M. G. E. M., Brocker-Vriends, A. H. J. T., Garcia, E. B. G., Hoogerbrugge, N., Menko, F. H., Sijmons, R. H., Verhoef, S., Kuipers, E. J., Morreau, H., Breuning, M. H., Tops, C. M. J., Wijnen, J. T., Vasen, H. F. A., Fodde, R., Hes, F. J. Multiplicity in polyp count and extracolonic manifestations in 40 Dutch patients with MYH associated polyposis coli (MAP). *Journal of Medical Genetics* 42(9) 2005.
- Niens, M., Spijker, G. T., Diepstra, A., Meerman, G. J. T. A factorial experiment for optimizing the PCR conditions in routine genotyping. *Biotechnology and Applied Biochemistry* 42: 157-162, 2005.
- Nijhuis, C. O., Kamps, W. A., Daenen, S. M. G., Gietema, J. A., Graaf, W. T. A. van der, Groen, H. J. M., Vellenga, E., Vergert, E. M. ten, Vermeulen, K. M., Vries-Hospers, H. G., Bont, E. S. J. M. de. Feasibility of withholding antibiotics in selected febrile neutropenic cancer patients. *Journal of Clinical Oncology* 23(30): 7437-7444, 2005.
- Nijman, H. W., Lambeck, A., Burg, S. H. van der, Zee, A. G. J. van der, Daemen, T. Immunologic aspect of ovarian cancer and p53 as tumor antigen. *Journal of Translational Medicine* 3: 1-12, 2005.
- Novakova-Joresova, A., Luijk, P. van, Goor, H. van, Kampinga, H. H., Coppes, R. P. Pulmonary radiation injury: Identification of risk factors associated with regional hypersensitivity. *Cancer Research* 65(9): 3568-3576, 2005.
- Nuver, J., Smit, A. J., Sleijfer, D. T., Gessel, A. I. van, Roon, A. M. van, Meer, J. van der, Berg, M. P. van den, Hoekstra, H. J., Sluiter, W. J., Gietema, J. A. Left ventricular and cardiac autonomic function in survivors of testicular cancer. *European Journal of Clinical Investigation* 35(2): 99-103, 2005.
- Nuver, J., Smit, A. J., Meer, J. van der, Berg, M. P. van den, Graaf, W. T. A. van der, Meinardi, M. T., Sleijfer, D. T., Hoekstra, H. J., Gessel, A. I. van, Roon, A. M. van, Gietema, J. A. Acute chemotherapy-induced cardiovascular changes in patients with testicular cancer. *Journal of Clinical Oncology* 23(36): 9130-9137, 2005.
- Nuver, J., Lutke Holzik, M. F., Zweeden, M. van, Hoekstra, H. J., Meijer, C., Suurmeijer, A. J. H., Groen, H. J. M., Hofstra, R. M., Sluiter, W. J., Groen, H., Sleijfer, D., Gietema, J. A. Genetic variation in the bleomycin hydrolase gene and bleomycin-induced pulmonary toxicity in germ cell cancer patients. *Pharmacogenetics and Genomics* 15(6): 399-405, 2005.
- Nuver, J., Smit, A. J., Wolffenbuttel, B. H. R., Sluiter, W. J., Hoekstra, H. J., Sleifer, D. T., Gietema, J. A. The metabolic syndrome and disturbances in hormone levels in long-term survivors of disseminated testicular cancer. *Journal of Clinical Oncology* 23(16): 3718-3725, 2005.
- Oliveira, C., Velho, R., Domingo, E., Preto, A., Hofstra, R. M. W., Hamelin, R., Yamamoto, H., Seruca, R., Schwartz, S. Concomitant RASSF1A hypermethylation and KRAS/BRAF mutations occur preferentially in MSI sporadic colorectal cancer. *Oncogene* 24(51): 7630-7634, 2005.
- Ooijen, P. M. A. van, Guignot, J., Mevel, G., Oudkerk, M. Incorporating out-patient data from CD-R into the local PACS using DICOM worklist features. *Journal of Digital Imaging* 18(3): 196-202, 2005.
- Oostenbrug, L. E., Drenth, J. P. H., Jong, D. J. de, Nolte, I. M., Oosterom, E., Dullemen, H. M. van, Linde, K. van der, Meerman, G. J. te, Steege, G. van der, Kleibeuker, J. H., Jansen, P. L. M. Association between toll-like receptor 4 and inflammatory bowel disease. *Inflammatory Bowel Diseases* 11(6): 567-575, 2005.
- Otte, A., Dierckx, R. A. Myelosuppressive side-effects of radioimmunotherapy of non-Hodgkin's lymphoma: is there an increased risk? *Nuclear Medicine Communications* 26(12): 1045-1047, 2005.
- Otte, A., Audenaert, K., Peremans, K., Dierckx, R. A. Functional neuroimaging endpoints in drug development. *Nuclear Medicine Communications* 26(9): 755-756, 2005.
- Otte, A., Dierckx, R. A. Good clinical practice: a plea for nuclear medicine. *Nuclear Medicine Communications* 26(7): 561, 2005.
- Otte, A., Maier-Lenz, H., Dierckx, R. A. Good clinical practice: Historical background and key aspects. *Nuclear Medicine Communications* 26(7): 563-574, 2005.
- Peeters, K. C. M. J., Velde, C. J. H. van de, Leer, J. W. H., Martijn, H., Junggebur, J. M. C., Kranenbarg, E. K., Steup, W. H., Wiggers, T., Rutten, H. J., Marijnen, C. A. M. Late side effects of short-course preoperative radiotherapy combined with total mesorectal excision for rectal cancer: Increased bowel dysfunction in irradiated patients - A dutch colorectal cancer group study. *Journal of Clinical Oncology* 23(25): 6199-6206, 2005.
- Peeters, K. C. M. J., Tollenaar, R. A. E. M., Marijnen, C. A. M., Kranenbarg, E. K., Steup, W. H., Wiggers, T., Rutten, H. J., Velde, C. J. H. van de. Risk factors for anastomotic failure after total mesorectal excision of rectal cancer. *British Journal of Surgery* 92(2): 211-216, 2005.
- Peeters, S. D. P. W., Hovenga, S., Rosati, S., Vellenga, E. Bcl-xl expression in multiple myeloma. *Medical Oncology* 22(2): 183-190, 2005.
- Pelt, K. van, Haan, G. de, Vellenga, E., Daenen, S. M. G. J. Administration of low-dose cytarabine results in immediate S-phase arrest and subsequent activation of cell cycling in murine stem cells. *Experimental Hematology* 33(2): 226-231, 2005.
- Perik, P. J., Veldhuisen, D. J. van, Gietema, J. A. Natriuretic peptides in anthracycline-induced cardiotoxicity. *European Journal of Heart Failure* 7(5): 940-943, 2005.
- Perik, P. J., Vries, E. G. E. de, Boomsma, F., Graaf, W. T. A. van der, Sleijfer, D. T., Veldhuisen, D. J. van, Gietema, J. A. Use of natriuretic peptides for detecting cardiac dysfunction in long-term disease-free breast cancer survivors. *Anticancer Research* 25(5): 3651-3657, 2005.
- Perik, P. J., Vries, E. G. E. de, Gietema, J. A., Graaf, W. T. A. van der, Sleijfer, D. T., Suurmeijer, A. J. H., Veldhuisen, D. J. van. The dilemma of the strive for apoptosis in oncology: mind the heart. *Critical Reviews in Oncology Hematology* 53(2): 101-113, 2005.
- Pession, A., Valsecchi, M. G., Masera, G., Kamps, W. A., Magyarosy, E., Rizzari, C., Wering, E. R. van, Lo Nigro, L., Does, A. van der, Locatelli, F., Basso, G., Arico, M. Long-term results of a randomized trial on extended use of high dose L-asparaginase for standard risk childhood acute lymphoblastic leukemia. *Journal of Clinical Oncology* 23(28): 7161-7167, 2005.
- Pietro, A. di, Vries, E. G. E. de, Gietema, J. A., Spierings, D. C. J., Jong, S. de. Testicular germ cell tumours: The paradigm of

- chemo-sensitive solid tumours. *International Journal of Biochemistry & Cell Biology* 37(12): 2437-2456, 2005.
- Pijpe, J., Imhoff, G. W. van, Spijkervet, F. K. L., Roodenburg, J. L. N., Wolbink, G. J., Mansour, K., Vissink, A., Kallenberg, C. G. M., Bootsma, H. Rituximab treatment in patients with primary Sjogren's syndrome. *Arthritis and Rheumatism* 52(9): 2740-2750, 2005.
- Pijpe, J., Imhoff, G. W. van, Vissink, A., Wal, J. E. van der, Kluin, P. M., Spijkervet, F. K. L., Kallenberg, C. G. M., Bootsma, H. Changes in salivary gland immunohistology and function after rituximab monotherapy in a patient with Sjogren's syndrome and associated MALT lymphoma. *Annals of the Rheumatic Diseases* 64(6): 958-960, 2005.
- Plasschaert, S. L. A., Bont, E. S. J. M. de, Boezen, M., vander Kolk, D. M., Daenen, S. M. J. G., Faber, K. N., Kamps, W. A., Vries, E. G. E. de, Vellenga, E. Expression of multidrug resistance-associated proteins predicts prognosis in childhood and adult acute lymphoblastic leukemia. *Clinical Cancer Research* 11(24): 8661-8668, 2005.
- Poele, E. M. te, Kamps, W. A., Tamminga, R. Y. J., Leew, J. A., Postma, A., Bont, E. S. J. M. de. Pegfilgrastim in pediatric cancer patients. *Journal of Pediatric Hematology Oncology* 27(11): 627-629, 2005.
- Poppema, S., Kluiver, J. L., Atayar, C., Berg, A. van den, Rosenwald, A., Hummel, M., Lenze, D., Lammert, H., Stein, H., Joos, S., Barth, T., Dyer, M., Lichter, P., Klein, U., Cattoretti, G., Gloghini, A., Tu, Y. H., Stolovitzky, G. A., Califano, A., Carbone, A., Dalla-Favera, R., Melzner, I., Bucur, A. J., Bruderlein, S., Dorsch, K., Hasel, C., Barth, T. F. E., Leithauser, F., Moller, P. Report: workshop on mediastinal grey zone lymphoma. *European Journal of Haematology* 75(Suppl. 66): 45-52, 2005.
- Postma, M. J., Hulst, M. van, Wolf, J. T. M. de, Botteman, M., Staginnus, U. Cost-effectiveness of pathogen inactivation for platelet transfusions in the Netherlands. *Transfusion Medicine* 15(5): 379-387, 2005.
- Raghoobar, G. M., Jansma, J., Vissink, A., Roodenburg, J. L. N. Distraction osteogenesis in the irradiated mandible. A case report. *Journal of Cranio-Maxillofacial Surgery* 33(4): 246-250, 2005.
- Reerink, O., Mulder, N. H., Verschuieren, R. C. J., Wiggers, T., Szabo, B. G., Hospers, G. A. P. Addition of oxaliplatin to neo-adjuvant radiochemotherapy for irresectable rectal cancer, a phase I study. *Anticancer Research* 25(1B): 629-633, 2005.
- Reesink-Peters, N., Hougardy, B. M. T., Heuvel, F. A. J. van den, Hoor, K. A. ten, Hollema, H., Boezen, H. M., Vries, E. G. E. de, Jong, S. de, Zee, A. G. J. van der. Death receptors and ligands in cervical carcinogenesis: an immunohistochemical study. *Gynecologic Oncology* 96(3): 705-713, 2005.
- Reesink-Peters, N., Velden, J. van der, Hoor, K. A. ten, Boezen, H. M., Vries, E. G. E. de, Schilthuis, M. S., Mourits, M. J. E., Nijman, H. W., Aalders, J. G., Hollema, H., Pras, E., Duk, J. M., Zee, A. G. J. van der. Preoperative serum squamous cell carcinoma antigen levels in clinical decision making for patients with early-stage cervical cancer. *Journal of Clinical Oncology* 23(7): 1455-1462, 2005.
- Riemersma, S. A., Oudejans, J. J., Vonk, M. J., Dreef, E. J., Prins, F. A., Jansen, P. M., Vermeer, M. H., Blok, P., Kibbelaar, R. E. E., Muris, J. J. F., Schuurung, E. M. D., Kluin, P. M. High numbers of tumour-infiltrating activated cytotoxic T lymphocytes, and frequent loss of HLA class I and II expression, are features of aggressive B cell lymphomas of the brain and testis. *Journal of Pathology* 206(3): 328-336, 2005.
- Rikhof, B., Berg, G. van den, Graaf, W. T. A. van der. Non-islet cell tumour hypoglycaemia in a patient with a gastrointestinal stromal tumour. *Acta Oncologica* 44(7): 764-766, 2005.
- Roeder, I., Kamminga, L. M., Braesel, K., Dontje, B., Haan, G. de, Loeffler, M. Competitive clonal hematopoiesis in mouse chimeras explained by a stochastic model of stem cell organization. *Blood* 105(2): 609-616, 2005.
- Roos, M. A. J. de, Bock, G. H. de, Baas, P. C., Munck, L. de, Wiggers, T., Vries, J. de. Compliance with guidelines is related to better local recurrence-free survival in ductal carcinoma in situ. *British Journal of Cancer* 93(10): 1122-1127, 2005.
- Rosati, S., Kluin, P. M. Chronic lymphocytic leukaemia: A review of the immuno-architecture. *Chronic Lymphocytic Leukemia* 294: 91-107, 2005.
- Rossum, A. G. S. H. van, Schuurung-Scholtes, E., Seggelen, V. V., Kluin, P. M., Schuurung, E. Comparative genome analysis of cortactin and HSI: the significance of the F-actin binding repeat domain. *Bmc Genomics* 6 2005.
- Rossum, A. G. S. H. van, Gibcus, J., Wal, J. van der, Schuurung, E. Cortactin overexpression results in sustained epidermal growth factor receptor signaling by preventing ligand-induced receptor degradation in human carcinoma cells. *Breast Cancer Research* 7(6): 235-237, 2005.
- Russo, S., Kema, I. P., Haagsma, E. B., Boon, J. C., Willemse, P. H. B., Boer, J. A. den, Vries, E. G. E. de, Korf, J. Irritability rather than depression during interferon treatment is linked to increased tryptophan catabolism. *Psychosomatic Medicine* 67(5): 773-777, 2005.
- Rust, R., Blokzijl, T., Harms, G., Lim, M., Visser, L., Kamps, W. A., Poppema, S., Berg, A. van den. TIMP-1 expression in anaplastic large cell lymphoma is usually restricted to macrophages and only seldom observed in tumour cells. *Journal of Pathology* 206(4): 445-450, 2005.
- Rust, R., Harms, G., Blokzijl, T., Boot, M., Diepstra, A., Kluiver, J., Visser, L., Peh, S. C., Lim, M., Kamps, W. A., Poppema, S., Berg, A. van den. High expression of Mcl-1 in ALK positive and negative anaplastic large cell lymphoma. *Journal of Clinical Pathology* 58(5): 520-524, 2005.
- Rust, R., Visser, L., Leij, J. van der, Harms, G., Blokzijl, T., Deloulme, J. C., Vlies, P. van der, Kamps, W., Kok, K., Lim, M., Poppema, S., Berg, A. van den. High expression of calcium-binding proteins, S100A10, S100A11 and CALM2 in anaplastic large cell lymphoma. *British Journal of Haematology* 131(5): 596-608, 2005.
- Schaapveld, M., Vries, E. G. E. de, Otter, R., Vries, J. de, Dolsma, W. V., Willemse, P. H. B. Guideline adherence for early breast cancer before and after introduction of the sentinel node biopsy. *British Journal of Cancer* 93(5): 520-528, 2005.
- Schaar, C. G., Vermeer, H. J., Wijermans, P. W., Huisman, W., Le Cessie, S., Kluin-Nelemans, H. C. Serum syndecan-1 in patients with newly diagnosed monoclonal proteinemia. *Haematologica - the Hematology Journal* 90(10): 1437-1438, 2005.
- Schaar, C. G., Kluin-Nelemans, H. C., Marvelde, C. te, Le Cessie, S., Breed, W. P., Fibbe, W. E., Deijk, W. A. van, Fickers, M. M., Roozendaal, K. J., Wijermans, P. W. Interferon-alpha as

- maintenance therapy in patients with multiple myeloma. *Annals of Oncology* 16(4): 634-639, 2005.
- Schepers, H., Geugien, M., Toorn, M. van der, Bryantsev, A. L., Kampinga, H. H., Eggen, B. J. L., Vellenga, E. HSP27 protects AML cells against VP-16-induced apoptosis through modulation of p38 and c-Jun. *Experimental Hematology* 33(6): 660-670, 2005.
- Schepers, H., Wierenga, A. T. J., Eggen, B. J. L., Vellenga, E. Oncogenic Ras blocks transforming growth factor-beta-induced cell-cycle arrest by degradation of p27 through a MEK/Erk/SKP2-dependent pathway. *Experimental Hematology* 33(7): 747-757, 2005.
- Sieders, E., Hepkema, B. G., Peeters, P. M. J. G., Vergert, E. M. ten, Jong, K. P. de, Porte, R. J., Bijleveld, C. M. A., Berg, A. P. van den, Lems, S. P. M., Gouw, A. S. H., Slooff, M. J. H. The effect of HLA mismatches, shared cross-reactive antigen groups, and shared HLA-DR antigens on the outcome after pediatric liver transplantation. *Liver Transplantation* 11(12): 1541-1549, 2005.
- Sijmons, R. H. Hereditary Cancer in Clinical Practice: Letter from editor. *Hereditary Cancer in Clinical Practice* 3(4): 135, 2005.
- Slats, A. M., Egeler, R. M., Does-van den Berg, van der, Korbijn, C., Hahlen, K., Kamps, W. A., Veerman, A. J. P., Zwaan, C. M. Causes of death - other than progressive leukemia - in childhood acute lymphoblastic (ALL) and myeloid leukemia (AML): the Dutch Childhood Oncology Group experience. *Leukemia* 19(4): 537-544, 2005.
- Spijker, G. T., Bruinenberg, M., Meerman, G. J. T. Efficiency control in large-scale genotyping using analysis of variance. *Applied Biochemistry and Biotechnology* 120(1): 29-36, 2005.
- Stalmeier, P. F. M., Roosmalen, M. S., Verhoef, L. C. G., Hoekstra-Weebers, J. E. H. M., Oosterwijk, J. C., Moog, U., Hoogerbrugge, N., Daal, W. A. J. van. The decision evaluation scales. *Patient Education and Counseling* 57(3): 286-293, 2005.
- Stokman, M. A., Spijkervet, F. K. L., Burlage, F. R., Roodenburg, J. L. N. Clinical effects of flurbiprofen tooth patch on radiation-induced oral mucositis. A pilot study. *Supportive Care in Cancer* 13(1): 42-48, 2005.
- Thijssens, K. M. J., Ginkel, R. J. van, Suurmeijer, A. J. H., Pras, E., Graaf, W. T. A. van der, Hollander, M., Hoekstra, H. J. Radiation-induced sarcoma: A challenge for the surgeon. *Annals of Surgical Oncology* 12(3): 237-245, 2005.
- Tilanus-Linthorst, M. M. A., Kriege, M., Boetes, C., Hop, W. C. J., Obdeijn, I. M., Oosterwijk, J. C., Peterse, H. L., Zonderland, H. M., Meijer, S., Eggermont, A. M. M., Koning, H. J. de, Klijn, J. G. M., Brekelmans, C. T. M. Hereditary breast cancer growth rates and its impact on screening policy. *European Journal of Cancer* 41(11): 1610-1617, 2005.
- Tio, R. A., Wijpkema, J. S., Tan, E. S., Asselbergs, F. W., Hospers, G. A. P., Jessurun, G. A. J., Zijlstra, F. Functional characteristics of coronary vasomotor function following intramyocardial gene therapy with naked DNA encoding for vascular endothelial growth factor 165. *Endothelium - Journal of Endothelial Cell Research* 12(3): 103-106, 2005.
- Tuinman, M. A., Fleeer, J., Sleijfer, D. T., Hoekstra, H. J., Hoekstra-Weebers, J. E. H. M. Marital and sexual satisfaction in testicular cancer survivors and their spouses. *Supportive Care in Cancer* 13(7): 540-548, 2005.
- Vaalburg, W., Hendrikse, N. H., Elsinga, P. H., Bart, J., Waarde, A. van. P-glycoprotein activity and biological response. *Toxicology and Applied Pharmacology* 207(2 Suppl): 257-260, 1-9-2005.
- Vasen, H. F. A., Tesfay, E., Boonstra, H., Mourits, M. J. E., Rutgers, E., Verheyen, R., Oosterwijk, J., Beex, L. Early detection of breast and ovarian cancer in families with BRCA mutations. *European Journal of Cancer* 41(4): 549-554, 2005.
- Veld, D. C. G. de, Skurichina, M., Witjes, M. J. H., Duin, R. P. W., Sterenberg, H. J. C. M., Roodenburg, J. L. N. Autofluorescence and diffuse reflectance spectroscopy for oral oncology. *Lasers in Surgery and Medicine* 36(5): 356-364, 2005.
- Veld, D. C. G. de, Schut, T. C. B., Skurichina, M., Witjes, M. J. H., Wal, J. E. van der, Roodenburg, J. L. N., Sterenberg, H. J. C. M. Autofluorescence and Raman microspectroscopy of tissue sections of oral lesions. *Lasers in Medical Science* 19(4): 203-209, 2005.
- Veld, D. C. G. de, Witjes, M. J. H., Sterenberg, H. J. C. M., Roodenburg, J. L. N. The status of in vivo autofluorescence spectroscopy and imaging for oral oncology. *Oral Oncology* 41(2): 117-131, 2005.
- Vermaas, M., Ferenschild, F. T. J., Nuyttens, J. J. M. E., Marinelli, A. W. K. S., Wiggers, T., Sijp, J. R. M. M. van der, Verhoef, C., Graveland, W. J., Eggermont, A. M. M., Wilt, J. H. W. de. Preoperative radiotherapy improves outcome in recurrent rectal cancer. *Diseases of the Colon & Rectum* 48(5): 918-928, 2005.
- Visser, A., Huizinga, G. A., Hoekstra, H. J., Graaf, W. T. A. van der, Klip, E. C., Pras, E., Hoekstra-Weebers, J. E. H. M. Emotional and behavioural functioning of children of a parent diagnosed with cancer: A cross-informant perspective. *Psycho-Oncology* 14(9): 746-758, 2005.
- Vlieg-Boerstra, B. J., Heide, S. van der, Elberink, J. N. G. O., Kluin-Nelemans, J. C., Dubois, A. E. J. Mastocytosis and adverse reactions to biogenic amines and histamine-releasing foods: what is the evidence? *Netherlands Journal of Medicine* 63(7): 244-249, 2005.
- Vos, F. J. de, Decker, M. de, Dierckx, R. A. The good laboratory practice and good clinical practice requirements for the production of radiopharmaceuticals in clinical research. *Nuclear Medicine Communications* 26(7): 575-579, 2005.
- Vos, F. Y. F. L. de, Bos, A. M. E., Schaapveld, M., Swart, C. A. M. de, Graaf, H. de, Zee, A. G. J. van der, Boezen, H. M., Vries, E. G. E. de, Willemse, P. H. B. A randomized phase II study of paclitaxel with carboplatin +/- amifostine as first line treatment in advanced ovarian carcinoma. *Gynecologic Oncology* 97(1): 60-67, 2005.
- Vries, E. F. J. de, Kortekaas, R., Waarde, A. van, Dijkstra, D., Elsinga, P. H., Vaalburg, W. Synthesis and evaluation of dopamine D-3 receptor antagonist C-11-GR218231 as PET tracer for P-glycoprotein. *Journal of Nuclear Medicine* 46(8): 1384-1392, 2005.
- Vries, E. F. J. de, Buursma, A. R., Vaalburg, W. Scintigraphic imaging of HSVtk expression in gene therapy. *Medicinal Chemistry Reviews - Online* 2(2): 133-147, 2005.
- Vries, H. de, Wijffels, R. T. M., Willemse, P. H. B., Verschuere, R. C. J., Kema, I. P., Karrenbeld, A., Prins, T. R., deVries, E. G. E. Abdominal angina in patients with a midgut carcinoid, a sign of severe pathology. *World Journal of Surgery* 29(9): 1139-1142, 2005.

- Vries, H. I. de, Uyetake, L., Lemstra, W., Brunsting, J. F., Su, T. T., Kampinga, H. H., Sibon, O. C. M. Grp/DChk1 is required for G(2)-M checkpoint activation in *Drosophila* S2 cells, whereas Dmnk/DChk2 is dispensable. *Journal of Cell Science* 118(9): 1833-1842, 2005.
- Vries, M. de, Vonkeman, W. G., Ginkel, R. J. van, Hoekstra, H. J. Morbidity after axillary sentinel lymph node biopsy in patients with cutaneous melanoma. *European Journal of Surgical Oncology* 31(7): 778-783, 2005.
- Vries, M. de, Jager, P. L., Suurmeijer, A. J., Plukker, J. T., Ginkel, R. J. van, Hoekstra, H. J. Schildwachtklierbiopsie bij het melanoom: prognostische betekenis en nadelen bij 300 patienten. [Sentinel lymph node biopsy for melanoma: prognostic value and disadvantages in 300 patients]. *Nederlands Tijdschrift Voor Geneeskunde* 149(33): 1845-1851, 13-8-2005.
- Wachters, F. M., Wong, L. S. M., Timens, W., Kampinga, H. H., Groen, H. J. M. ERCC1, hRad51, and BRCA1 protein expression in relation to tumour response and survival of stage III/IV NSCLC patients treated with chemotherapy. *Lung Cancer* 50(2): 211-219, 2005.
- Wachters, F. M., Groen, H. J. M., Biesma, B., Schramel, F. M. N. H., Postmus, P. E., Stigt, J. A., Smit, E. F. A randomised phase II trial of docetaxel vs docetaxel and irinotecan in patients with stage IIIb-IV non-small-cell lung cancer who failed first-line treatment. *British Journal of Cancer* 92(1): 15-20, 2005.
- Westeenen, H. L. van, Westerterp, M., Jager, P. L., Dulleman, H. M. van, Sloof, G. W., Comans, E. F. I., Lanschot, J. J. B. van, Wiggers, T., Plukker, J. T. M. Synchronous primary neoplasms detected on F-18-FDG PET in staging of patients with esophageal cancer. *Journal of Nuclear Medicine* 46(8): 1321-1325, 2005.
- Westeenen, H. L. van, Plukker, J. T. M., Cobben, D. C. P., Verhoogt, C. J. M., Groen, H., Jager, P. L. Prognostic value of the standardized uptake value in esophageal cancer. *American Journal of Roentgenology* 185(2): 436-440, 2005.
- Westeenen, H. L. van, Cobben, D. C. P., Jager, P. L., Dulleman, H. M. van, Wesseling, J., Elsinga, P. H., Plukker, J. T. Comparison of F-18-FLT PET and F-18-FDG PET in esophageal cancer. *Journal of Nuclear Medicine* 46(3): 400-404, 2005.
- Westeenen, H. L. van, Heeren, P. A. M., Dulleman, H. M. van, Jagt, E. J. van der, Jager, P. L., Groen, H., Plukker, J. T. M. Positron emission tomography with F-18-fluorodeoxyglucose in a combined staging strategy of esophageal cancer prevents unnecessary surgical explorations. *Journal of Gastrointestinal Surgery* 9(1): 54-61, 2005.
- Westerterp, M., Westeenen, H. L. van, Reitsma, J. B., Hoekstra, O. S., Stoker, J., Fockens, P., Jager, P. L., Eck-Smit, B. L. F., Plukker, J. T. M., Lanschot, J. J. B. van, Sloof, G. W. Esophageal cancer: CT, endoscopic US, and FDG PET for assessment of response to neoadjuvant therapy - Systematic review. *Radiology* 236(3): 841-851, 2005.
- Westra, J. L., Hofstra, R. M. W., Schaapveld, M., Plukker, J. T. M. TP53 mutation and microsatellite instability status for the prediction of survival in adjuvant-treated colon cancer patients - Reply. *Journal of Clinical Oncology* 23(35): 9032-9033, 2005.
- Westra, J. L., Hollema, H., Schaapveld, M., Platteel, I., Oien, K. A., Keith, W. N., Mauritz, R., Peters, G. J., Buys, C. H. C. M., Hofstra, R. M. W., Plukker, J. T. M. Predictive value of thymidylate synthase and dihydropyrimidine dehydrogenase protein expression on survival in adjuvantly treated stage III colon cancer patients. *Annals of Oncology* 16(10): 1646-1653, 2005.
- Westra, J. L., Schaapveld, M., Hollema, H., Boer, J. P. de, Kraak, M. M. J., Jong, D. de, Elst, A. ter, Mulder, N. H., Buys, C. H. C. M., Hofstra, R. M. W., Plukker, J. T. M. Determination of TP53 mutation is more relevant than microsatellite instability status for the prediction of disease-free survival in adjuvant-treated stage III colon cancer patients. *Journal of Clinical Oncology* 23(24): 5635-5643, 2005.
- Westra, J. L., Boven, L. G., Wes, P. van der, Faber, H., Sikkema, B., Schaapveld, M., Dijkhuizen, T., Hollema, H., Buys, C. H. C. M., Plukker, J. T. M., Kok, K., Hofstra, R. M. W. A substantial proportion of microsatellite-unstable colon tumors carry TP53 mutations while not showing chromosomal instability. *Genes Chromosomes & Cancer* 43(2): 194-201, 2005.
- Wu, K. L., Wieringen, W. van, Vellenga, E., Zweegman, S., Lokhorst, H. M., Sonneveld, P. Analysis of the efficacy and toxicity of bortezomib for treatment of relapsed or refractory multiple myeloma in community practice. *Haematologica-the Hematology Journal* 90(7): 996-997, 2005.
- Yao, K., Gietema, J. A., Shida, S., Selvakumaran, M., Fonrose, X., Haas, N. B., Testa, J., O'Dwyer, P. J. In vitro hypoxia-conditioned colon cancer cell lines derived from HCT116 and HT29 exhibit altered apoptosis susceptibility and a more angiogenic profile in vivo. *British Journal of Cancer* 93(12): 1356-1363, 2005.
- Zoodma, M., Nolte, I. M., Schipper, M., Oosterom, E., Steege, G. van der, Vries, E. G. E. de, Meerman, G. J. te, Zee, A. G. J. van der. Interleukin-10 and Fas polymorphisms and susceptibility for (pre)neoplastic cervical disease. *International Journal of Gynecological Cancer* 15(Suppl. 3): 282-290, 2005.
- Zoodma, M., Nolte, I. M., Schipper, M., Oosterom, E., Steege, G. van der, Vries, E. G. E. de, Meerman, G. J. te, Zee, A. G. J. van der. Analysis of the entire HLA region in susceptibility for cervical cancer: a comprehensive study. *Journal of Medical Genetics* 42(8) 2005.
- Zoodma, M., Nolte, I. M., Meerman, G. J. T., Vries, E. G. E. de, Zee, A. G. J. van der. HLA genes and other candidate genes involved in susceptibility for (pre)neoplastic cervical disease. *International Journal of Oncology* 26(3): 769-784, 2005.
- Zoodma, M., Nolte, I. M., Schipper, M., Oosterom, E., Steege, G. van der, Vries, E. de, Meerman, G. J. te, Zee, A. G. J. van der. Methylenetetrahydrofolate reductase (MTHFR) and susceptibility for (pre)neoplastic cervical disease. *Human Genetics* 116(4): 247-254, 2005.

Book Contributions/ Proceedings

- Graaf, W. T. A. van der, Meer, K. van der. Algemene aspecten. In: *oncologie voor de algemene praktijk*, edited by J. de Vries, W. T. A. van der Graaf, H. Hollema, B. G. Szabó, E. M. L. Haagedoorn, and W. Bender, Gorcum, 2005, p. 5-19.
- Graaf, W. T. A. van der, Hoekstra, H. J. Maligne tumoren van de weke delen. In: *Oncologie*, edited by C. J. H. van der Velde, P. H. M. de Mulder, J. H. J. M. van Krieken, and J. B. Vermorcken, Bohn Stafleu van Loghum, 2005,
- Graaf, W. T. A. van der. Principes van medicamenteuze tumorgerichte behandeling. In: *Oncologie voor de algemene praktijk*, edited by J. de Vries, W. T. A. van der Graaf, H. Hollema, B. G. Szabó, E. M. L. Haagedoorn, and W. Bender, Gorcum, 2005, p. 57-61.

- Greve, J. de, Belle, S. van, Gietema, J. A. Principes van de medische antikankerbehandeling. In: *Oncologie, zevende herziene druk*, edited by C. J. H. van de Velde, J. H. J. M. van Krieken, P. H. M. de Mulder, and J. B. Vermorken, Bohn stafleu van loghum, 2005, p. 147-164.
- Groen, H. J. M., Sleijfer, D. T., Vries, E. G. E. de. Positron emission tomography, computerized tomography, and endoscopic ultrasound with needle aspiration for lung cancer. In: *American society of clinical oncology educational book, 41st annual meeting*, edited by M. C. Perry, American society of clinical oncology, 2005, p. 579-585.
- Haan, G. de. Stamcellen, een inleiding. In: *Het medisch jaar 2005*, edited by J. N. Keeman, P. W. de Leeuw, J. A. Mazel, and F. G. Zitman, Bohn Stafleu van Loghum, 2005, p. 64-70.
- Hoekstra, H. J., Graaf, W. T. A. van der. Weke-delen tumoren. In: *Oncologie voor de algemene praktijk*, edited by J. de Vries, W. T. A. van der Graaf, H. Hollema, B. G. Szabó, E. M. L. Haagedoorn, and W. Bender, Gorcum, 2005, p. 280-286.
- Hoekstra, H. J., Gietema, J. A. Testiscarcinoom. In: *Oncologie voor de algemene praktijk*, edited by J. de Vries, W. T. A. van der Graaf, H. Hollema, B. G. Szabó, E. M. L. Haagedoorn, and W. Bender, Gorcum, 2005, p. 237-242.
- Jong, I. J. de, Gietema, J. A. Niercelcarcinoom. In: *Oncologie voor de algemene praktijk*, edited by J. de Vries, W. T. A. van der Graaf, H. Hollema, B. G. Szabó, E. M. L. Haagedoorn, and W. Bender, Gorcum, 2005, p. 214-218.
- Jong, I. J. de, Gietema, J. A. Blaascarcinoom. In: *Oncologie voor de algemene praktijk*, edited by J. de Vries, W. T. A. van der Graaf, H. Hollema, B. G. Szabó, E. M. L. Haagedoorn, and W. Bender, Gorcum, 2005, p. 219-225.
- Jong, K. P. de, Hospers, G. A. P. Pancreascarcinoom. In: *Oncologie voor de algemene praktijk*, edited by J. de Vries, W. T. A. van der Graaf, H. Hollema, B. G. Szabó, E. M. L. Haagedoorn, and W. Bender, Gorcum, 2005, p. 194-196.
- Jutte, P. C., Postma, A. Maligne primaire bottumoren. In: *Oncologie voor de algemene praktijk*, edited by J. de Vries, W. T. A. van der Graaf, H. Hollema, B. G. Szabó, W. Bender, and E. M. L. Haagedoorn, Koninklijke Van Gorcum B.V., 2005,
- Kamps, W. A. Mondverzorging. In: *Werkboek "Ondersteunende behandeling in de konderoncologie"*, edited by W. A. Kamps, M. C. Naafs-Wilstra, A. Y. N. Schouten-van Meeteren, and W. J. E. Tissing, Amsterdam: VU University Press, 2005,
- Kamps, W. A. Hematopoïëtische groeifactoren. In: *Werkboek "Ondersteunende behandeling in de konderoncologie"*, edited by W. A. Kamps, M. C. Naafs-Wilstra, A. Y. N. Schouten-van Meeteren, and W. J. E. Tissing, Amsterdam: VU University Press, 2005,
- Kamps, W. A., Langen, Z. J. de. Maligniteiten bij kinderen. In: *Oncologie voor de algemene praktijk*, edited by J. de Vries, W. T. A. van der Graaf, H. Hollema, B. G. Szabó, W. Bender, and E. M. L. Haagedoorn, Koninklijke Van Gorcum B.V., 2005,
- Kleibeuker, J. H., Wiggers, T. H. Colon/rectumtumoren. In: *Oncologie voor de algemene praktijk*, edited by J. de Vries, W. T. A. van der Graaf, H. Hollema, B. G. Szabó, E. M. L. Haagedoorn, and W. Bender, Gorcum, 2005, p. 201-212.
- Kluin-Nelemans, J. C. Hematologische maligniteiten. In: *Oncologie voor de algemene praktijk*, edited by W. T. A. van der Graaf, H. Hollema, B. G. Szabó, W. Bender, and E. M. L. Haagedoorn, Groningen: Koninklijke van Gorcum, 2005, p. 301-313.
- Koëter, G. H., Postma, D. S., Groen, H. J. M., Minnen, C. A. van. Longziekten. In: *Interne Geneeskunde*, edited by J. van der Meer and C. D. A. Stehouwer, Houten: Bohn Stafleu van Loghum, 2005, p. 451-527.
- Laan, B. F. A. M. van der, Roodenburg, J. L. N. Hoofdhalstumoren. In: *Oncologie voor de algemene praktijk*, edited by J. de Vries, W. T. A. van der Graaf, H. Hollema, B. G. Szabó, W. Bender, and E. M. L. Haagedoorn, Assen: Koninklijke van Gorcum, 2005,
- Peters, F. T. M., Plukker, J., Hospers, G. A. P. Maagcarcinoom. In: *Oncologie voor de algemene praktijk*, edited by J. de Vries, W. T. A. van der Graaf, H. Hollema, B. G. Szabó, E. M. L. Haagedoorn, and W. Bender, Gorcum, 2005, p. 189-193.
- Plukker, J., Hospers, G. A. P. Oesofaguscarcinoom. In: *Oncologie voor de algemene praktijk*, edited by J. de Vries, W. T. A. van der Graaf, H. Hollema, B. G. Szabó, E. M. L. Haagedoorn, and W. Bender, Gorcum, 2005, p. 184-188.
- Roodenburg, J. L. N., Laer, C. G. van, Robinson, P. H., Langendijk, J. H., Schornagel, J. H., Oort, R. P. van. Hoofdhalstumoren. In: *Oncologie*, edited by C. J. H. van de Velde, J. H. J. M. van Krieken, P. H. M. de Mulder, and J. B. Vermorken, Houten: Bohn Stafleu van Loghum, 2005,
- Roodenburg, J. L. N., Davies, A. Head and neck. In: *Oral care in advanced disease*, edited by A. Davies and Finlay I., Oxford: Oxford University Press, 2005,
- Sleijfer, D. T., Suurmeijer, A. J. H., Hoekstra, H. J. Kiemceltumoren van de testis. In: *Oncologie, zevende herziene druk*, edited by C. J. H. van der Velde, J. H. J. M. van Krieken, P. H. M. de Mulder, and J. B. Vermorken, Bohn stafleu van loghum, 2005, p. 397-401.
- Tissing, W. J. E., Hoed-Beerschop, C. H. van den. Chemotherapie. In: *Werkboek "Ondersteunende behandeling in de konderoncologie"*, edited by W. A. Kamps, M. C. Naafs-Wilstra, A. Y. N. Schouten-van Meeteren, and W. J. E. Tissing, Amsterdam: VU University Press, 2005,
- Tissing, W. J. E. Verrichtingen. In: *Werkboek "Ondersteunende behandeling in de konderoncologie"*, edited by W. A. Kamps, M. C. Naafs-Wilstra, A. Y. N. Schouten-van Meeteren, and W. J. E. Tissing, Amsterdam: VU University Press, 2005,
- Tissing, W. J. E. Vaccinaties. In: *Werkboek "Ondersteunende behandeling in de konderoncologie"*, edited by W. A. Kamps, M. C. Naafs-Wilstra, and A. Y. N. Schouten-van Meeteren, Amsterdam: VU University Press, 2005,
- Tissing, W. J. E. Venocclusieve ziekte. In: *Werkboek "Ondersteunende behandeling in de konderoncologie"*, edited by W. A. Kamps, M. C. Naafs-Wilstra, A. Y. N. Schouten-van Meeteren, and W. J. E. Tissing, Amsterdam: VU University Press, 2005,
- Vries, E. G. E. de. Diagnosis and therapy of the metastasized carcinoid. In: *12e Nascholingscursus medische oncologie voor Nederland en België*, NVMO, 2005, p. 23-25.
- Vries, E. G. E. de, Reyners, A. K. L., Rodenburg, C. J., Willemse, P. H. B., Gietema, J. A. Oncologie. In: *Interne geneeskunde*, edited by J. van der Meer and C. D. A. Stehouwer, Bohn stafleu van loghum, 2005, p. 263-285.

Vries, J. de, Graaf, W. T. A. van der. Mammacarcinoom. In: *Oncologie voor de algemene praktijk*, edited by J. de Vries, W. T. A. van der Graaf, H. Hollema, B. G. Szabó, E. M. L. Haagedoorn, and W. Bender, Gorcum, 2005, p. 117-130.

Vries, J. de, Graaf, W.T.A. van der., Hollema, H., Szabó, B.G., Haagedoorn, E.M.L. and Bender, W. *Oncologie voor de algemene praktijk*, Gorcum, 2005.

Zee, A. G. J. van der, Graaf, W. T. A. van der. Ovariumcarcinoom. In: *Oncologie van de algemene praktijk*, edited by J. de Vries, W. T. A. van der Graaf, H. Hollema, B. G. Szabó, E. M. L. Haagedoorn, and W. Bender, Gorcum, 2005, p. 244-251

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Research Line Pharmaceutical Biology

Dissertations

Gerritse, G. Exploration of *Pseudomonas alcaligenes* as an industrial Cell Factory. (1-7-2005) p. 11-174 Mathematics and Natural Sciences. Quax, W. J.

Zanen, G. E. Pre- and post-translocational stages in protein secretion by *Bacillus subtilis*. (7-10-2005) p. 9-154 Mathematics and Natural Sciences. Dijl, J. M. van

Journal Articles

Boersma, Y. L., Scheltinga, P. C., Droge, M. J., Bos, R., Quax, W. J. A validated gas chromatographic method for the evaluation of enzymatic enantioselectivity in kinetic resolution applications. *Journal of Separation Science* 28(6): 501-505, 2005.

Bos, R., Stojanovska, A. S., Woerdenbag, H. J., Koulman, A., Quax, W. J. Volatile components of the aerial parts of *Artemisia pontica* L. grown in Bulgaria. *Flavour and Fragrance Journal* 20(2): 145-148, 2005.

Droge, M. J., Bos, R., Boersma, Y. L., Quax, W. J. Comparison and functional characterisation of three homologous intracellular carboxylesterases of *Bacillus subtilis*. *Journal of Molecular Catalysis B - Enzymatic* 32(5-6): 261-270, 1-3-2005.

Kayser, O. Nanobiotechnology. *Current Pharmaceutical Biotechnology* 6(1): 1, 2005.

Kayser, O., Lemke, A., Hernandez-Trejo, N. The impact of nanobiotechnology on the development of new drug delivery systems. *Current Pharmaceutical Biotechnology* 6(1): 3-5, 2005.

Lemke, A., Kiderlen, A., Kayser, O. Amphotericin B. *Applied Microbiology and Biotechnology* 68(2): 151-162, 2005.

Maskey, R. P., Helmke, E., Kayser, O., Fiebig, H. H., Maier, A., Busche, A., Laatsch, H. Anti-cancer and antibacterial trioxacarcins with high anti-malaria activity from - a marine Streptomyces and their absolute stereochemistry. *Journal of Antibiotics* 57(12): 771-779, 2004.

Menacho, I. P., Koster, R., Sloot, A. M. van der, Quax, W. J., Osinga, J., Sluis, T. van der, Hollema, H., Burzynski, G. M., Gimm, O., Buys, C. H. C. M., Eggen, B. J. L., Hofstra, R. M. W. RET-familial medullary thyroid carcinoma mutants Y791F and S891A activate a Src/JAK/STAT3 pathway, independent of glial cell line-derived neurotrophic factor. *Cancer Research* 65(5): 1729-1737, 1-3-2005.

Otten, L. G., Quax, W. J. Directed evolution: selecting today's biocatalysts. *Biomolecular Engineering* 22(1-3): 1-9, 2005.

Oudega, B., Luirink, J., Dijl, J. M. van, Quax, W. J. Signal peptide hydrophobicity is critical for early stages in protein export by *Bacillus subtilis*. *FEBS Journal* 272(18): 4617-4630, 2005.

Sarvas, M., Harwood, C. R., Bron, S., Dijl, J. M. van. Post-translocational folding of secretory proteins in Gram-positive bacteria. *Biochimica et Biophysica Acta - Molecular Cell Research* 1694(1-3): 311-327, 11-11-2004.

Sloot, A. M. van der, Mullally, M. M., Fernandez-Ballester, G., Serrano, L., Quax, W. J. Stabilization of TRAIL, an all-beta-sheet multimeric protein, using computational redesign. *Protein Engineering Design & Selection* 17(9): 673-680, 2004.

Smits, W. K., Dubois, J. Y. F., Bron, S., Dijl, J. M. van, Kuipers, O. P. Tricky business: Transcriptome analysis reveals the involvement of thioredoxin a in redox homeostasis, oxidative stress, sulfur metabolism, and cellular differentiation in *Bacillus subtilis*. *Journal of Bacteriology* 187(12): 3921-3930, 2005.

Westers, H., Braun, P. G., Westers, L., Antelmann, H., Hecker, M., Jongbloed, J. D. H., Yoshikawa, H., Tanaka, T., Dijl, J. M. van, Quax, W. J. Genes involved in skfA killing factor production protect a *Bacillus subtilis* lipase against proteolysis. *Applied and Environmental Microbiology* 71(4): 1899-1908, 2005.

Westers, L., Westers, H., Quax, W. J. *Bacillus subtilis* as cell factory for pharmaceutical proteins: a biotechnological approach to optimize the host organism. *Biochim. Biophys. Acta* 1694(1-3): 299-310, 11-11-2004.

Zanen, G., Houben, E. N. G., Meima, R., Tjalsma, H., Jongbloed, J. D. H., Westers,

Book Contributions/ Proceedings

Dorenbos, R., Dijl, J. M. van, Quax, W. J. Thioli disulfide oxidoreductases in bacteria. In: *Recent res. devel. microbiology 9*, edited by S. G. Pandai, Kerala/India: Research Signpost, 2005, p. 237-269

Patents

Ooyen, A. J. J. van, Rietveld, K., Quax, W. J., Pen, J., Hoekema, A., Sijmons, P. C., Verwoerd, T. C. Production of enzymes in seeds and their use. US20050214413 20050829 US2006005286 5-1-2006

Sio, C. F., Otten, L. G., Cool, R. H., Quax, W. J. Glutaryl amidases and their uses. WO2004NL00850 20041206 WO2005054452 16-6-2005

Tur, V. R., Sloot, A. M. van der, Mullally, M. M., Cool, R. H., Szegezdi, E. E., Samali, A., Fernandez-Ballester, G., Serrano, L., Quax, W. J. Improved Cytokine design. WO2004IB04335 20041206 WO2005056596 23-6-2005

Research Line Pharmacokinetics and Drug Delivery

Dissertations

Bartsch, M. Targeted in vivo delivery of nucleic acids by lipid-based carriers. (2005) Scherphof, G. L. and Meijer, D. K. F.

Rachmawati, H. The design of a liver-selective form of interleukin-10: a new strategy for the treatment of liver fibrosis. (6-6-2005) Meijer, D. K. F.

Yan, X. Liposome-hepatocyte interactions : the role of plasma proteins. (2005) Scherphof, G. L. and Poelstra, K.

Journal Articles

- Adrian, J., Poelstra, K., Scherphof, G. L., Molema, G., Meijer, D. K. F., Reker-Smit, C., Morselt, H. W. M., Kamps, J. A. A. M. Interaction of targeted liposomes with primary cultured hepatic stellate cells: involvement of multiple receptor systems. *Journal of Hepatology* 2005.
- Bartsch, M., Weeke-Klimp, A. H., Meijer, D. K. F., Scherphof, G. L., Kamps, J. A. A. M. Cell-specific targeting of lipid-based carriers for ODN and DNA. *Journal of Liposome Research* 15(1-2): 59-92, 2005.
- Bartsch, M., Weeke-Klimp, A. H., Morselt, H. W. M., Kimpfler, A., Asgeirsdottir, S. A., Schubert, R., Meijer, D. K. F., Scherphof, G. L., Kamps, J. A. A. M. Optimized targeting of polyethylene glycol-stabilized anti-intercellular adhesion molecule 1 oligonucleotide/lipid particles to liver sinusoidal endothelial cells. *Molecular Pharmacology* 67(3): 883-890, 2005.
- Bovenkamp, M. van de, Groothuis, G. M. M., Draaisma, A. L., Merema, M. T., Bezuijen, J. I., Gils, M. J. van, Meijer, D. K. F., Friedman, S. L., Olinga, P. Precision-cut liver slices as a new model to study toxicity-induced hepatic stellate cell activation in a physiologic milieu. *Toxicological Sciences* 85: 632-638, 2005.
- Couvreur, P., Braguer, D., Crommelin, D. J. A., Duchêne, D., Engels, J. W., Kerr, D. J., Drogsgaard-Larsen, P., Meijer, D. K. F., Paoletti, R., Wagner, E. Contribution of academic research to discovery and development of medicines: current status and future opportunities. *European Journal of Pharmaceutical Sciences* 24: 245-252, 2005.
- Eleveld, D. J., Proost, J. H., Wierda, J. M. K. H. Evaluation of a closed-loop muscle relaxation control system. *Anesthesia and Analgesia* 101(3): 758-764, 2005.
- Eleveld, D. J., Proost, J. H., Haes, A. de, Wierda, J. M. K. H. Improving pharmacokinetic-pharmacodynamic models of muscle relaxants using potentiation modelling. *Journal of Pharmacokinetics and Pharmacodynamics* 32(1): 143-154, 2005.
- Greupink, R., Bakker, H. I., Reker-Smit, C., Loenen-Weemaes, A. M. van, Kok, R. J., Meijer, D. K. F., Beljaars, L., Poelstra, K. Studies on the targeted delivery of the antifibrogenic compound mycophenolic acid to the hepatic stellate cell. *Journal of Hepatology* 43(5): 884-892, 2005.
- Groothuis, G. M. M. De darm: meer dan absorptie alleen. *Pharmaceutisch Weekblad* (10): 328-332, 2005.
- Haes, A. de, Proost, J. H., Baets, M. H. de, Stassen, M. H. W., Houwertjes, M. C., Wierda, J. M. K. H. Decreased number of acetylcholine receptors is the mechanism that alters the time course of muscle relaxants in myasthenia gravis: a study in a rat model. *European Journal of Anaesthesiology* 22(8): 591-596, 2005.
- Hagens, W. I., Olinga, P., Meijer, D. K. F., Groothuis, G. M. M., Beljaars, L., Poelstra, K. Gliotoxin non-selectively induces apoptosis in fibrotic and normal livers. *Liver International* 26: 232-239, 2005.
- Hart, N. A. t, Plaatst, A. van der, Faber, A., Leuvenink, H. G. D., Olinga, P., Wiersma-Buist, J., Verkerke, G. J., Rakhorst, G., Ploeg, R. J. Oxygenation during hypothermic rat liver preservation: an in vitro slice study to demonstrate beneficial or toxic oxygenation effects. *Liver Transplantation* 11(11): 1403-1411, 2005.
- Hofmann, A. F., Zakko, S. F., Lira, M., Clerici, C., Hagey, L. R., Lambert, K. K., Steinbach, J. H., Scheingart, C. D., Olinga, P., Groothuis, G. M. M. Novel biotransformation and physiological properties of norursodeoxycholic acid in humans. *Hepatology* 42(6): 1391-1398, 2005.
- Janssen, P., Weide, J. van der, Proost, J. H., Graatsma, H., Touw, D. Farmacogenetica en kinetiek van fenytoïne. *Pharmaceutisch Weekblad* 139(37): 1132-1135, 2005.
- Kanter, R. de, Tuin, A., Kerkhof, E. van de, Martignoni, M., Draaisma, A. L., Jager, M. H. de, Graaf, I. de, Meijer, D. K. F., Groothuis, G. M. M. A new technique for preparing precision-cut slices from small intestine and colon for drug biotransformation studies. *Journal of Pharmacological and Toxicological Methods* 51(1): 65-72, 2005.
- Kerkhof, E. van de, Graaf, I. de, Jager, M. H. de, Meijer, D. K. F., Groothuis, G. M. M. Characterization of rat small intestine and colon precision-cut slices as an in vitro system for drug metabolism and induction studies. *Drug Metab Dispos.* 33: 1613-1620, 2005.
- Koudstaal, L. G., Hart, N. A. t, Berg, A. van den, Olinga, P., Goor, H. van, Ploeg, R. J., Leuvenink, H. G. Brain death causes structural and inflammatory changes in donor intestine. *Transplantation Proceedings* 37: 448-449, 2005.
- Nigrovic, V., Proost, J. H., Amann, A., Bhatt, S. B. Volume of the effect compartment in simulations of neuromuscular block. *Theoretical Biology and Medical Modelling* 2 2005.
- Olinga, P., Hoeven, J. A. B. van der, Merema, M. T., Freund, R. L., Ploeg, R. J., Groothuis, G. M. M. The influence of brain death on liver function. *Liver International* 25(1): 109-116, 2005.
- Poelstra, K., Klein Haneveld, J. Kennis en kunde: Klaas Poelstra onderzoekt drug targeting naar stellaatcellen. *Pharmaceutisch Weekblad* 140(2): 68-69, 2005.
- Prakash, J., Loenen-Weemaes, A. M., Haas, M., Proost, J. H., Meijer, D. K. F., Moolenaar, F., Poelstra, K., Kok, R. J. Renal-selective delivery and angiotensin-converting enzyme inhibition by subcutaneously administered captopril-lysozyme. *Drug Metabolism and Disposition* 33(5): 683-688, 2005.
- Prakash, J., Saluja, V., Visser, J., Moolenaar, F., Meijer, D. K. F., Poelstra, K., Kok, R. J. Bioanalysis and pharmacokinetics of the p38 MAPkinase inhibitor SB202190 in rats. *Journal of Chromatography B*. 826(1-2): 220-225, 2005.

Waarts, B. L., Aneke, O. J. C., Smit, J. M., Kimata, K., Bittman, R., Meijer, D. K. F., Wilschut, J. Antiviral activity of human lactoferrin: Inhibition of alphavirus interaction with heparan sulfate. *Virology* 333(2): 284-292, 2005.

Yan, X. D., Kuipers, F., Havekes, L. M., Havinga, R., Dontje, B., Poelstra, K., Scherphof, G. L., Kamps, J. A. A. M. The role of apolipoprotein E in the elimination of liposomes from blood by hepatocytes in the mouse. *Biochemical and Biophysical Research Communications* 328(1): 57-62, 2005.

Research Line Pharmaceutical Technology and BioPharmacy

Dissertations

Boer, A. H. de. Optimisation of dry powder inhalation. The application of air classifier and laser diffraction technology for the generation and characterisation of aerosols from adhesive mixtures. (10-6-0005) p. 1-277 Frijlink, H. W.

Bouwman, A. M. Form, formation and deformation. The influence of material properties and process conditions on the shape of granules produced by high shear granulation. (14-11-2005) p. 1-140 Frijlink, H. W. and Wesselingh, J. A.

Steendam, R. Amylodextrin and poly(DL-lactide) oral controlled release matrix tablets. Concepts for understanding their release mechanisms. (16-12-2005) p. 1-187 Frijlink, H. W.

Journal Articles

Barends, D. M., Groot, D. W., Frijlink, H. W., Rodenburg, N., Steen, J. C. van der. Development of an in vivo test procedure for the easy of breaking scored tablets. *Pharmeuropa Scientific Notes* 1: 1-4, 2005.

Boer, A. H. de, Dickhoff, B. H. J., Hagedoorn, P., Gjaltema, D., Goede, J., Lambregts, D., Frijlink, H. W. A critical evaluation of the relevant parameters for drug redispersion from adhesive mixtures during inhalation. *International Journal of Pharmaceutics* 294: 173-184, 2005.

Bouwman, A. M., Henstra, M. J., Westerman, D., Chung, J. T., Zhang, Z., Ingram, A., Seville, J. P. K., Frijlink, H. W. The effect of the amount of binder liquid on the granulation mechanisms and structure of microcrystalline cellulose granules prepared by high shear granulation. *International Journal of Pharmaceutics* 290: 129-136, 2005.

Bouwman, A. M., Henstra, M. J., Hegge, J. J. M. E., Zhang, Z., Ingram, A., Seville, J. P. K., Frijlink, H. W. The relation between granule size, granule stickiness, and torque in the high-shear granulation process. *Pharmaceutical Research* 22(2): 270-275, 2005.

Dickhoff, B. H. J., Boer, A. H. de, Lambregts, D., Frijlink, H. W. The interaction between carrier rugosity, and carrier payload and its effect on drug particle redispersion from adhesive mixtures during inhalation. *European Journal of Pharmaceutics and Biopharmaceutics* 59: 197-205, 2005.

Drooge, D. J. van, Hinrichs, W. L. J., Dickhoff, B. H. J., Eli, M. N. A., Visser, M. R., Frijlink, H. W. Spray freeze drying to procedure a stable Δ^9 -tetrahydrocannabinol containing inulin-

based solid dispersion powder suitable for inhalation. *European Journal Pharmaceutical Sciences* 26: 231-240, 2005.

Frijlink, H. W., Boer, A. H. de. Trends in the technology-driven development of new inhalation devices. *Drug Discovery Today: Technologies* 1: 47-57, 2005.

Hinrichs, W. L. J., Sanders, N. N., Smedt, S. C. de, Demeester, J., Frijlink, H. W. Inulin is a promising cryo- and lyoprotectant for PEGylated lipoplexes. *Journal of Controlled Release* 103: 465-479, 2005.

Schellekens, R. C. A., Stuurman, F. E., Frijlink, H. W., Kosterink, J. G. W. Development of oral administration form with colon-specific release: New approach of the study on lactose intolerance. *Pharmaceutisch Weekblad* 140(11): 366-368, 2005.

Veen, B. van, Bolhuis, G. K., Wu, Y. S., Zuurman, K., Frijlink, H. W. Compaction mechanism and tablet strength of unlubricated and lubricated (silicified) microcrystalline cellulose. *European Journal of Pharmaceutics and Biopharmaceutics* 59: 133-138, 2005.

Veen, B. van, Pajander, J., Zuurman, K., Lappalainen, R., Poso, A., Frijlink, H. W. The effect of powder blend and tablet structure on drug release mechanisms of hydrophobic starch acetate matrix tablets. *European Journal of Pharmaceutics and Biopharmaceutics* 61: 149-157, 2005.

Vegt, O. de, Vromans, H., Faassen, F., Voort Maarschalk, K. van der. Milling of organic solids in a jet mill. Part 1: Determination of the selection function and related mechanical material properties. *Part. Part. Syst. Charact.* 22: 133-140, 2005.

Vegt, O. de, Vromans, H., Faassen, F., Voort Maarschalk, K. van der. Milling of organic solids in a jet mill. Part 2: Checking the validity of the predicted rate of breakage function. *Part. Part. Syst. Charact.* 22: 261-267, 2005.

Waarde, A. van, Maas, B., Doze, P., Slart, R. H., Frijlink, H. W., Vaalburg, W., Elsinga, P. H. Positron emission tomography studies of human airways tomography studies using an inhaled beta-adrenoceptor antagonist, S-C-11-CGP 12388. *Chest* 128(4): 3020-3027, 2005.

Wu, Y. S., Frijlink, H. W., Vliet, L. J. van, Stokroos, I., Voort Maarschalk, K. van der. Location-dependent analysis of porosity and pore direction in tablets. *Pharmaceutical Research* 22(8): 1399-1405, 2005.

Research Line Therapeutic Gene Modulation

Dissertations

Mahasreshti, P. J. Ovarian cancer gene therapy. (16-9-2005) Haisma, H. J.

Journal Articles

Buursma, A. R., Beerens, A. M. J., Vries, E. F. J. de, Waarde, A. van, Rots, M. G., Hospers, G. A. P., Vaalburg, W., Haisma, H. J. The human norepinephrine transporter in combination with C-11-m-hydroxyephedrine as a reporter gene/reporter probe for PET of gene therapy. *Journal of Nuclear Medicine* 46(12): 2068-2075, 2005.

- Gommans, W. M., Haisma, H. J., Rots, M. G. Engineering zinc finger protein transcription factors: the therapeutic relevance of switching endogenous gene expression on or off at command. *Journal of Molecular Biology* 354(3): 507-519, 2-12-2005.
- Kraaij, R., Rijswijk, A. L. van, Oomen, M. H., Haisma, H. J., Bangma, C. H. Prostate specific membrane antigen (PSMA) is a tissue-specific target for adenoviral transduction of prostate cancer in vitro. *Prostate* 62(3): 253-259, 15-2-2005.
- Kuldo, J. M., Westra, J., Asgeirsdottir, S. A., Kok, R. J., Oosterhuis, K., Rots, M. G., Schouten, J. P., Limburg, P. C., Molema, G. Differential effects of NF-kappa B and p38 MAPK inhibitors and combinations thereof on TNF-alpha- and IL-1 beta-induced proinflammatory status of endothelial cells in vitro. *American Journal of Physiology - Cell Physiology* 289(5): C1229-C1239, 2005.
- Lingg, R. M., Hempel, G., Rots, M. G., Zantwijk, C. H. van, Boos, J., Kaspers, G. J. Effects and interaction of 7-hydroxy methotrexate and methotrexate in leukaemic cells ex vivo measured by the thymidylate synthase inhibition assay. *Cancer Chemother. Pharmacol.* 56(3): 322-327, 2005.
- Lu, B., Makhija, S. K., Nettelbeck, D. M., Rivera, A. A., Wang, M., Komarova, S., Zhou, F., Yamamoto, M., Haisma, H. J., Alvarez, R. D., Curiel, D. T., Zhu, Z. B. Evaluation of tumor-specific promoter activities in melanoma. *Gene Therapy* 12(4): 330-338, 2005.
- Oosterhoff, D., Overmeer, R. M., Graaf, M. de, Meulen, I. van der, Giaccone, G., Beusechem, V. van, Haisma, H. J., Pinedo, H. M., Gerritsen, W. R. Adenoviral vector-mediated expression of a gene encoding secreted, EpCAM-targeted carboxylesterase-2 sensitises colon cancer spheroids to CPT-11. *British Journal of Cancer* 92(5): 882-887, 14-3-2005.
- Roy, H., Bhardwaj, S., Babu, M., Jauhainen, S., Herzig, K. H., Bellu, A. R., Haisma, H. J., Carmeliet, P., Alitalo, K., Yla-Herttuala, S. Adenovirus-Mediated Gene Transfer of Placental Growth Factor to Perivascular Tissue Induces Angiogenesis via Upregulation of the Expression of Endogenous Vascular Endothelial Growth Factor-A. *Human Gene Therapy* 16(12): 1422-1428, 14-11-2005.

Book Contributions/ Proceedings

- Haisma, H. J., Hon, O. de. Ziek, beter, best: van gentherapie tot genetische doping. In: *Beter dan Goed, over Genetica en de toekomst van Topsport*, edited by I. van Hilvoorde and B. Pasveer, Veen Magazines B.V. te Diemen, 2005, p. 120-137

CENTER FOR SYNTHESIS AND ANALYSIS –S&A

Research Line Analytical Biochemistry and Pharmaceutical Analysis

Journal Articles

- Barroso, B., Bischoff, R. LC-MS analysis of phospholipids and lysophospholipids in human bronchoalveolar lavage fluid. *Journal of Chromatography B-Analytical Technologies in the Biomedical and Life Sciences* 814(1): 21-28, 5-1-2005.
- Barroso, B., Didraga, M., Bischoff, R. Analysis of proteoglycans derived sulphated disaccharides by liquid chromatography/mass spectrometry. *Journal of Chromatography. A.* 1080(1): 43-48, 1-7-2005.
- Bouwstra, H., Dijk-Brouwer, D. A. J., Boehm, G., Boersma, E. R., Muskiet, F. A. J., Hadders-Algra, M. Long-chain polyunsaturated fatty acids and neurological developmental outcome at 18 months in healthy term infants. *Acta Paediatrica* 94(1): 26-32, 2005.
- Dijk-Brouwer, D. A. J., Doormaal, J. J. van, Kema, I. P., Brugman, A. M., Kingma, A. W., Muskiet, F. A. J. Discovery and consequences of apolipoprotein-epsilon(3Groningen): a G-insertion in codon 95/96 that is predicted to cause a premature stop codon. *Annals of Clinical Biochemistry* 42: 264-268, 2005.
- Dijk-Brouwer, D. A. J., Hadders-Algra, M., Bouwstra, H., Decsi, T., Boehm, G., Martini, I. A., Boersma, E. R., Muskiet, F. A. J. Impaired maternal glucose homeostasis during pregnancy is associated with low status of long-chain polyunsaturated fatty acids (LCP) and essential fatty acids (EFA) in the fetus. *Prostaglandins Leukotrienes and Essential Fatty Acids* 73(2): 85-87, 2005.
- Dijk-Brouwer, D. A. J., Hadders-Algra, M., Bouwstra, H., Decsi, T., Boehm, G., Martini, I. A., Boersma, E. R., Muskiet, F. A. J. Lower fetal status of docosahexaenoic acid, arachidonic acid and essential fatty acids is associated with less favorable neonatal neurological condition. *Prostaglandins Leukotrienes and Essential Fatty Acids* 72(1): 21-28, 2005.
- Fokkema, M. R., Rieke, H. M. van, Bauermann, O. J., Smit, E. N., Muskiet, F. A. J. Short-term carnitine supplementation does not augment LCP omega 3 status of vegans and lacto-ovo-vegetarians. *Journal of the American College of Nutrition* 24(1): 58-64, 2005.
- Fokkema, M. R., Muskiet, F. A., Doormaal, J. J. van. Leefstijlinterventie ter preventie van hart- en vaatziekten. [Lifestyle intervention for the prevention of cardiovascular disease]. *Nederlands Tijdschrift Voor Geneeskunde* 149(47): 2607-2612, 19-11-2005.
- Freije, J. R., Mulder, P. P., Werkman, W., Rieux, L., Niederlander, H. A., Verpoorte, E., Bischoff, R. Chemically modified, immobilized trypsin reactor with improved digestion efficiency. *Journal of Proteome Research* 4(5): 1805-1813, 2005.
- Gils, M. P. van, Stenman, U. H., Schalken, J. A., Schroder, F. H., Luider, T. M., Lijja, H., Bjartell, A., Hamdy, F. C., Pettersson, K. S., Bischoff, R., Takalo, H., Nilsson, O., Mulders, P. F., Bangma, C. H. Innovations in serum and urine markers in prostate cancer current European research in the P-Mark project. *European Urology* 48(6): 1031-1041, 2005.
- Hendriks, G., Franke, J. P., Uges, D. R. A. New practical algorithm for modelling retention times in gradient reversed-phase high-performance liquid chromatography. *Journal of Chromatography A* 1089(1-2): 193-202, 30-9-2005.
- Hentschel, P., Krucker, M., Grynbaum, M. D., Putzbach, K., Bischoff, R., Albert, K. Determination of regulatory phosphorylation sites in nanogram amounts of a synthetic fragment of ZAP-70 using microprobe NMR and on-line coupled capillary HPLC-NMR. *Magnetics Resonance in Chemistry* 43(9): 747-754, 2005.
- Jong, L. A. A. de, Uges, D. R. A., Franke, J. P., Bischoff, R. Receptor-ligand binding assays: Technologies and applications. *Journal of Chromatography B-Analytical Technologies in the Biomedical and Life Sciences* 829(1-2): 1-25, 2005.
- Jong, L. A. A. de, Kramer, K., Kroeze, M. P. H., Bischoff, R., Uges, D. R. A., Franke, J. P. Development and validation of a radioreceptor assay for the determination of morphine and its active metabolites in serum. *Journal of Pharmaceutical and Biomedical Analysis* 39(5): 964-971, 4-10-2005.
- Joordens, F. C. A., Kuipers, R. S., Muskiet, F. A. J. On breast milk, diet, and large human brains. *Current Anthropology* 46(1): 122-124, 2005.
- Kuipers, R. S., Fokkema, M. R., Smit, E. N., Meulen, J. van der, Boersma, E. R., Muskiet, F. A. J. High contents of both docosahexaenoic and arachidonic acids in milk of women consuming fish from lake Kitangiri (Tanzania) Targets for infant formulae close to our ancient diet? *Prostaglandins Leukotrienes and Essential Fatty Acids* 72(4): 279-288, 2005.
- Muskiet, F. A. J. The importance of (early) folate status to primary and secondary coronary artery disease prevention. *Reproductive Toxicology* 20(3): 403-410, 2005.
- Rieux, L., Niederlander, H., Verpoorte, E., Bischoff, R. Silica monolithic columns: synthesis, characterisation and applications to the analysis of biological molecules. *Journal of Separation Science* 28(14): 1628-1641, 2005.
- Schnog, J. B., Teerlink, T., Dijks, F. P. L. van der, Duits, A. J., Muskiet, F. A. J. Plasma levels of asymmetric dimethylarginine (ADMA), an endogenous nitric oxide synthase inhibitor, are elevated in sickle cell disease. *Annals of Hematology* 84(5): 282-286, 2005.
- Velzing-Aarts, F. V., Holm, P. I., Fokkema, M. R., Dijks, F. P. van der, Ueland, P. M., Muskiet, F. A. Plasma choline and betaine and their relation to plasma homocysteine in normal pregnancy. *American Journal of Clinical Nutrition* 81(6): 1383-1389, 2005.
- Zomeren, P. V. van, Metting, H. J., Coenegracht, P. M., Jong, G. J. de. Simultaneous resolution of overlapping peaks in high-performance liquid chromatography and micellar electrokinetic chromatography with diode array detection using augmented iterative target transformation factor analysis. *Journal of Chromatography. A.* 1096(1-2): 165-176, 25-11-2005.
- Zurutuza, A., Bayouh, S., Cormack, P. A. G., Dambies, L., Deere, J., Bischoff, R., Sherrington, D. C. Molecularly imprinted solid-phase extraction of cocaine metabolites from aqueous samples. *Analytica Chimica Acta* 542(1): 14-19, 22-6-2005.

Book Contributions/ Proceedings

Bischoff, R., Barroso, B. Liquid Chromatography. In: *Methods for Structural Analysis of Protein Pharmaceuticals*, Plenum: American Association of Pharmaceutical Scientists, Plenum, 2005, p. 277-329.

Bruins, A. P. Atmospheric pressure ionization techniques. In: *Encyclopedia of spectroscopy and spectrometry.*, edited by J. C. Lindon, G. E. Tranter, and J. L. Holmes, Academic press, 2005, p. 366-373.

Guo, X., Bruins, A. P., Covey, T. R. Characterization of chemical background noise in atmosphere pressure ionization (API) liquid chromatography-mass spectrometry. Proceedings of the 53rd ASMS conference on mass spectrometry and allied topics. DVD-ROM 5-9-2005. 5-9-2005.

Patents

Bischoff, R., Freije, J. R. Enzymes with modified amino acids containing an amino group. PCT05/051866 2-5-2005

Koster, S. Fraction collection ESI chip as interface for LC-ESI-MS submitted, 2005. 2005

Research Line Biomonitoring and Sensoring

Journal Articles

Bollen, P. J. A., Remie, R., Kloots, W., Barfred, L., Salomon, S., Ritskes-Hoitinga, M. Post-graduate teaching in microsurgery using a combination of alternative non-animal and in vivo methods. *Scandinavian Journal of Laboratory Animal Science* 32(3) 2005.

Haes, J. I. U. de, Cremers, T. I. F. H., Bosker, F. J., Postema, F., Timersma-Wegman, T. D., Boer, J. A. den. Effect of increased serotonin levels on [F-18] MPPF binding in rat brain: Fenfluramine vs the combination of citalopram and ketanserin. *Neuropsychopharmacology* 30(9): 1624-1631, 2005.

Jongsma, M. E., Bosker, F. J., Cremers, T. I. F. H., Westerink, B. H. C., Boer, J. A. den. The effect of chronic selective serotonin reuptake inhibitor treatment on serotonin(1B) receptor sensitivity and HPA axis activity. *Progress in Neuro-Psychopharmacology & Biological Psychiatry* 29(5): 738-744, 2005.

Knegtering, R., Baselmans, P., Castelein, S., Bosker, F., Bruggeman, R., Bosch, R. J. van den. Predominant role of the 9-hydroxy metabolite of risperidone in elevating blood prolactin levels. *American Journal of Psychiatry* 162(5): 1010-1012, 2005.

Kramer, K., Remie, R. Measuring blood pressure in small laboratory animals. *Methods Mol Med* 108: 51-62, 2005.

Malmlof K, Zaragoza F, Golozoubova, V., Refsgaard, H. H., Cremers, T., Raun, K., Wulff, B. S., Johansen, P. B., Westerink, B., Rimvall, K. Influence of a selective histamine H3 receptor antagonist on hypothalamic neural activity, food intake and body weight. *International Journal of Obesity* dec(29(12)): 1402-1412, 2005.

Oldenziel, W. H., Westerink, B. H. Improving glutamate microsensors by optimizing the composition of the redox hydrogel. *Anal Chem Sep*(77(17)): 5520-5528, 2005.

Pudovkina, O., Westerink, B. H. Functional role of alpha1-adrenoceptors in the locus coeruleus: A microdialysis study. *Brain Research* Nov 2(1061(1)): 50-56, 2005.

Rea, K., Cremers, T. I., Westerink, B. H. C. HPLC conditions are critical for the detection of GABA by microdialysis. *Journal of Neurochem* Aug(94(3)): 672-679, 2005.

Book Contributions/ Proceedings

Bosker, F. J., Cremers, T. I. F. H., Westerink, B. H. C., Wikström, H. V., Boer, J. A. den. Augmentation strategies for treating despression and anxiety. In: *Current and future developments in psychopharmacology*, edited by J. A. den Boer, M. S. George, and G. J. ter Horst, Amsterdam: Benecke N.I., 2005, p. 61-82.

Pudovkina, O. L., Westerink, B. H. C. Release of Noradrenaline in the Locus Coeruleus. In: *Dendritic Neurotransmitter Release*, edited by M. Ludwig, Edinburgh: Springer, 2005, p. 145-154.

Westerink, B. H. C., Zaagsma, J. Nicotine en het centrale zenuwstelsel. In: *Tabaksgebruik: gevolgen en bestrijding*, edited by H. Knol, C. Hilvering, D. J. Th. Wagener, and M. C. Willemsen, Utrecht: Lemma B.V., 2005, p. 70-76.

Research Line PharmacoChemistry

Dissertations

Vermeulen, E. S. Characterization of the 5-HT₇ receptor. Synthesis and molecular modeling of ligands and the receptor. (141-2006) Rijksuniversiteit Groningen, p. 1-190 Wikström, H. V. -

Journal Articles

Finnema, S. J., Seneca, N., Farde, L., Shchukin, E., Sóvágó, J., Gulyas, B, Wikström, H. V., Innis, R. B., Neumeyer, J. L., Halldin, C. A preliminary PET evaluation of the new dopamine D₂ receptor agonist [¹¹C]MNPA in cynomolgus monkey. *Nuclear Medicine and Biology* 32: 353-360, 2005.

Marchais-Overwinkler, S, Nowicki, B, Pike, V. W., Halldin, C, Sandell, J, Chou, Y. H., Gulyas, B, Brennum, L. T., Farde, L., Wikström, H. V. N-Oxide analogs of WAY-100635: new high affinity 5-HT_{1A} receptor antagonists. *Bioorganic & Medicinal Chemistry* 13(3): 883-893, 2005.

McCarron, J. A., Marchais-Overwinkler, S, Pike, V. W., Tarkiainen, J., Halldin, C, Sóvágó, J., Gulyas, B, Wikström, H. V., Farde, L. Two C-Methyl derivatives of [¹¹C]WAY-100635-effects of an amido α -methyl group on metabolism and brain 5-HT_{1A} receptor radioligand behavior in monkey. *Molecular Imaging and Biology* 7: 209-219, 2005.

Nugroho, A. K., Li, L., Dijkstra, D., Wikström, H., Danhof, M., Bouwstra, J. A. Transdermal iontophoresis of the dopamine agonist 5-OH-DPAT in human skin in vitro. *Journal of Controlled Release* 103(2): 393-403, 2005.

Vries, E. F. J. de, Kortekaas, R., Waarde, A. van, Dijkstra, D., Elsinga, P. H., Vaalburg, W. Synthesis and evaluation of dopamine D-3 receptor antagonist C-11-GR218231 as PET tracer for P-glycoprotein. *Journal of Nuclear Medicine* 46(8): 1384-1392, 2005.

Book Contributions/ Proceedings

Bosker, F. J., Cremers, T. I. F. H., Westerink, B. H. C., Wikström, H. V., Boer, J. A. den. Augmentation strategies for treating depression and anxiety. In: *Current and future developments in psychopharmacology*, edited by J. A. den Boer, M. S. George, and G. J. ter Horst, Amsterdam: Benecke N.I., 2005, p. 61-82