



Maastricht UMC+



Maastricht University

School for Cardiovascular Diseases

CARIM

SELF EVALUATION

EAVT NVLION

SELF

2007 2012

ADDENDA

Faculty of Health, Medicine and Life Sciences,
Maastricht University

Maastricht University Medical Centre

C_ **ADDENDUM I** **GRANTS** **SUPPORTING** **RESEARCH IN** **MAIN THEME I**

YEAR	TITLE	TYPE	COMPANY BASE/ ORGANISATION	COUNTRY	SUPPORT (K€) from:		
					NWO/STW	foundations	contracts
2007	Consultancy agreement	Contract	Baxter	Austria			9
	Study of Protein S antagonists	Contract	Baxter	Austria			420
	Donation agreement	Contract	CSL	Belgium			110
	Research agreement	Contract	BRACCO	Italy			221
	Research and collaboration agreement	Contract	CSL Behring GmbH	Germany			46
	Collaboration in studies on platelet inhibition, direct thrombin inhibition and atherosclerotic disease	Contract	AstraZeneca	Sweden			344
	Predictors of recurrent myocardial ischemia in patients after an acute myocardial infarction	Contract	Pfizer BV	The Netherlands			90
	Consultancy agreement Philips Healthcare Incubator	Contract	Philips Electronics Netherlands	The Netherlands			2
	Phase III Study to Evaluate the Efficacy and Safety of ARIXTRA etc	Contract	CTCM	The Netherlands			25
	Once-daily oral direct factor Xa inhibitor rivaroxaban in the long-term prevention of recurrent symptomatic venous thromboembolism etc	Contract	CTCM	The Netherlands			117
	Oral direct factor Xa inhibitor rivaroxaban in patients with acute symptomatic deep-vein thrombosis or pulmonary embolism	Contract	CTCM	The Netherlands			118
	Recover study	Contract	CTCM	The Netherlands			5
	Biointerface	Grant	DFG	Germany	18		
	Surface plasmon resonance as tool in the analysis of biomolecular interactions that play a role in the biology of cardiovascular disease	Grant	ZonMw	The Netherlands	291		
	Whitaker International Fellow grant - MA Berny	Grant	Whitaker International	USA		40	
	Thrombus formation on ruptured plaques	Grant	NHS	The Netherlands		68	
2008	Protein S/tissue factor pathway inhibitor (TFPI) in cardiovascular disease: physiological implications of a novel anticoagulant mechanism?	Grant	NHS	The Netherlands		240	
	Identification and characterization of new compounds that are directed against selected coagulation proteins	Grant	tUL	The Netherlands		200	
	Total				309	548	1,507
	Collaboration agreement	Contract	MosaMedix	The Netherlands			80
	Consultancy agreement Philips Healthcare Incubator	Contract	Philips Electronics Nederland BV	The Netherlands			10
	Multicenter, randomized, parallel, Group Efficacy superiority study in hospitalized medically ill patients etc	Contract	CTCM	The Netherlands			121
	Antihemophilic Factor (Recombinant) Plasma/Albumin-Free Method (rAHF-PFM): A Phase 3/4 etc	Contract	CTCM	The Netherlands			25
	Consultancy agreement	Contract	Baxter AG	Austria			10
	Biointerface	Grant	DFG	Germany	18		
	Novel flow chamber technology to establish the haemostatic of stored platelets pre- and posttransfusion	Grant	Sanquin	The Netherlands		318	
	Working mechanisms of activated protein C in a mouse model for myocardial ischemia/reperfusion injury	Grant	Thrombosis Foundation	The Netherlands		157	
	The impact of coagulation factor XII on mechanisms of thrombosis in patients with cardiovascular disease	Grant	NHS	The Netherlands		200	
	Total				18	675	246

YEAR	TITLE	TYPE	COMPANY BASE/ ORGANISATION	COUNTRY	SUPPORT (K€) from:		
					NWO/STW	foundations	contracts
2009	"Study of Protein S antagonists	Contract	Baxter INNOVATIONS GMBH	Austria			210
	Collaboration agreement	Contract	MosaMedix	The Netherlands			80
	Can combined measurement of thrombin potential and thrombo-elastography predict the risk of severe bleeding in surgery and trauma?	Contract	CSL Behring GmbH	Germany			86
	Services Agreement	Contract	CTCM	The Netherlands			1
	ASPASIA E. Castoldi Functional interactions of genetic defects affecting the protein C pathway in familial thrombophilia	Grant	ZonMw	The Netherlands	100		
	Trombose Expertise Centre	Grant	Academic Hospital Maastricht	The Netherlands		250	
	Discovery and optimization of biologically active molecules that inhibit the functions of activated protein C	Grant	Bayer HealthCare	United Kingdom		200	
	BMM IDIDAS	Grant	BMM	The Netherlands		427	
	CTMM INCOAG Innovative coagulation diagnostics"	Contract	CTMM	The Netherlands		652	
	CTMM INCOAG	Contract	CTMM	The Netherlands		935	
	CTMM TRIUMPH	Contract	CTMM	The Netherlands		333	
	Interreg IVa- program "Grensregio Vlaanderen-Nederland" project "Euregional Pact II"	Grant	Interreg Vlaanderen -Nederland	Belgium		650	
	Student travel grant	Grant	NHS	The Netherlands		3	
	Total				100	3,450	377
2010	Research agreement	Contract	Novartis	Italy			25
	The practical application of antithrombotic and thrombolytic therapy in the hospital environment Translation of the ACCP (American College of Chest Physicians) and relating guidelines into practically applicable workflows	Contract	Philips Electronics Nederland BV	The Netherlands			35
	Ultrasound accelerated catheter-directed thrombolysis combined with standard anticoagulant etc (IFDVT).	Contract	CTCM	The Netherlands			249
	Study for evaluation of efficacy and safety of (LMW) heparin/edoxaban versus (LMW) heparin/warfarin in subjects with deep-vein thrombosis and/or pulmonary embolism	Contract	CTCM	The Netherlands			161
	Can combined measurement of thrombin potential and thrombo-elastography predict the risk of severe bleeding in surgery and trauma?	Contract	CSL Behring GmbH	Germany			9
	The Global Anticoagulation Registry in the FIELD (GARFIELD)	Contract	Thrombosis research institute	United Kingdom			6
	CTMM EMINENCE	Contract	CTMM	The Netherlands		426	
	Trombose Expertise Centre	Grant	Academic Hospital Maastricht	The Netherlands		250	
	Student travel grant NHS	Grant	NHS	The Netherlands		3	
	Dynamic fibrin clot formation: a haemostatic process involving multiple blood components and a possible surrogate end point for transfusion	Grant	LSBR	The Netherlands		256	
	Trombograph (Pieken in de Delta)	Grant	SenterNovem	The Netherlands		126	
	Beta2-glycoprotein I: A novel player in VWF-dependent Haemostasis	Grant	NHS	The Netherlands		140	
	Total				0	1,201	485

YEAR	TITLE	TYPE	COMPANY BASE/ ORGANISATION	COUNTRY	SUPPORT (K€) from:		
					NWO/STW	foundations	contracts
2011	Collaboration agreement	Contract	PAREXEL Nederland bv	The Netherlands			12
	Study of Protein S and TFPI Antagononists	Contract	Baxter INNO-VATIONS GMBH	Austria			154
	Development research haemostasis	Contract	CTCM	The Netherlands			2
	Sponsoring agreement	Contract	CTCM	The Netherlands			250
	Co-financiering CAVA	Contract	CTCM	The Netherlands			176
	The role of blood platelet in tumor angiogenesis and cancer progression	Grant	NWO	The Netherlands	200		
	Trombose Expertise Centre	Grant	Academic Hospital Maastricht	The Netherlands		250	
	C Hemker Foundation	Grant	SWOL	The Netherlands		100	
	BioMIMedics, cross border collaboration on BioMaterials & Life Sciences	Grant	EU/Interreg IV	Belgium		1.302	
	Modulation of thrombin generation and activity by total fibrinogen and fibrinogen y	Grant	Thrombosis Foundation	The Netherlands		141	
	Unraveling the role of platelet-derived matrix metalloproteinases in the repair of healthy and diseased arteries	Grant	NHS	The Netherlands		279	
	Beta2-glycoprotein I: A novel player in VWF-dependent Haemostasis	Grant	NHS	The Netherlands		235	
	Cyttron II	Grant	Agentschap NL (Life Sciences & Health)	The Netherlands		938	
	Total				200	3,245	594
2012	The effect of Xa inhibition on atherosclerotic plaque development and progression in normal and pro-thrombotic mice	Contract	Bayer Pharma AG	Germany			104
	Reversal of dabigatran activity with B1655075 in situations of hemodilution and trauma injury in pigs	Contract	Boehringer Ingelheim	Germany			400
	The effect of thrombin inhibition on atherosclerotic plaque development in normal and pro-thrombotic mice	Contract	Boehringer Ingelheim	Germany			100
	Comparitive study of effects of Dabigatran and Warfarin on atherosclerotic plaque calcification	Contract	Boehringer Ingelheim	Germany			70
	Research agreement	Contract	AstraZeneca	Sweden			47
	TRACS study	Contract	AstraZeneca	The Netherlands			45
	Real life observations on innohep thrombosis management in oncology patients	Contract	CTCM	The Netherlands			7
	Open label trial investigating safety and efficacy of on-demand and prophylactic treatment with BAY 94-9027 in servere hemophilia A	Contract	CTCM	The Netherlands			14
	Psychic analysis venous pathology	Contract	CTCM	The Netherlands			55
	Collaboration agreement	Contract	MosaMedix	The Netherlands			60
	Consultancy agreement	Contract	Zin Medical Europe BV	The Netherlands			120
	Study of Protein S and TFPI Antagononists	Contract	Baxter INNO-VATIONS GMBH	Austria			68
	VIDI R Koenen Propellants of atherosclerosis Molecular aspects of RANTES- and PF4-release by activated platelets	Grant	ZonMw	The Netherlands	800		
	Improved design of novel therapeutics and idagnostrics for the treatment of cardiovascular disease by use of microcalorimetry	Grant	ZonMw	The Netherlands	178		
	Interreg IVa- program "Grensregio Vlaanderen-Nederland" project "Euregional Pact II"	Grant	Interreg Vlaanderen-Nederland	Belgium		175	
	Trombose Expertise Centre	Grant	Academic Hospital Maastricht	The Netherlands		250	
	Total				978	425	1,090

C_ ADDENDUM II OUTPUT OF MAIN THEME I IN 2007-2012

- 1. LIST OF PHD THESES 2007 – 2012**
- 2. LIST OF PUBLICATIONS 2007 – 2012**

PHD THESES 2007

Boelen E -

Novel radiopaque biomaterials for spinal surgery.
Promotors: Prof. L Koole, Prof. S Bulstra.
Maastricht University, April 4, 2007

Cauwenberghs S -

Platelet responsiveness and function during storage.
Promotor: Prof. J Rosing. Co-promotors: Dr J Heemskerk, Dr J Curvers.
Maastricht University, June 20, 2007

Van Genderen H -

Dynamics of the phosphatidylserine-expressing cell surface during endocytosis of Annexin A5.
Promotor: Prof. C Hemker. Co-promotors: Dr W van Heerde, Dr C Reutelingsperger.
Maastricht University, October 18, 2007

Hansen H -

Blood coagulation and diabetic vascular complications.
Promotors: Prof. H ten Cate, Prof. P Reitsma. Co-promotor: Dr H Spronk.
Maastricht University, February 9, 2007

Munnix I -

Platelet signalling to procoagulant activity and heterogeneity in thrombus formation.
Promotor: Prof. J Rosing. Co-promotor: Dr J Heemskerk.
Maastricht University, June 15, 2007

Pijls R -

The OphthaCoil; a new vehicle for the delivery of the delivery of drugs to the eye.
Promotor: Prof. L Koole. Co-promotors: Dr R Nuijts, Dr A Dias.
Maastricht University, December 17, 2007

Vanschoonbeek K -

Haemostatic variation in subjects with atherothrombotic risk: modulation by dietary fish oil. Promotors: Prof. W Saris, Prof. M de Maat. Co-promotor: Dr J Heemskerk.
Maastricht University, December 13, 2007

Vrij A -

Inflammatory bowel disease and haemostasis; clinical and biochemical studies.
Promotors: Prof. R Stockbrügger, Prof. C Hemker. Co-promotor: J Wersch.
Maastricht University, February 16, 2007

PHD THESES, EXTERNALLY PREPARED

Van Summeren M -

Vitamin K requirement in children... beyond coagulation.
Promotors: Prof. W Kuis, Prof. C Vermeer, Prof. M Lilien.
University Utrecht, December 12, 2007

PHD THESES 2008

Ten Cate-Hoek A -

New developments in diagnosis and treatment of deep vein thrombosis.
Promotor: Prof. M Prins. Co-promotors: Dr K Hamulyak, Dr H Stoffers.
Maastricht University, October 10, 2008

Frederix K -

Tissue Procoagulant Responses to Injury
Promotor: Prof. H ten Cate. Co-promotor: Dr H Spronk.
Maastricht University, June 26, 2008

Van der Meijden P -

Interaction mechanisms of platelets and coagulation.
Promotor: Prof. J. Rosing. Co-promotor: Prof. J Heemskerk.
Maastricht University, December 3, 2008

Saralidze K -

Radiopaque bioactive microspheres as injectable biomaterials.
Promotor: Prof. L Koole. Co-promotors: Dr C van Hooy-Corstjens, Dr M Knetsch.
Maastricht University, February 14, 2008

Segers K -

Bioinformatics and molecular biology.
Promotor: Prof. J Rosing. Co-promotor: Dr G Nicolaes.
Maastricht University, December 8, 2008

Smedt de E -

Advanced Thrombinoscopy.
Promotors: Prof. HC Hemker, Prof. H ten Cate. Co-promotor: Dr R Wagenvoord.
Maastricht University, March 28, 2008

PHD THESES 2009

Cosemans J -

Dynamic regulation of thrombus stability.
Promotor: Prof. J Rosing. Co-promotor: Prof. J Heemskerk.
Maastricht University, January 29, 2009

Dielis A -

The hypercoagulable state in patients. Determining (hyper)coagulability and the role of thrombin generation.
Promotors: Prof. P de Leeuw, Prof. H ten Cate. Co-promotors: Dr K Hamulyák, Dr H Spronk.
Maastricht University, June 3, 2009

Joop K -

Endotoxin and microparticles as markers for inflammation and coagulation
Promotor: Prof. H ten Cate. Co-promotor: Leyte A (OLV Gasthuis, Amsterdam).
Maastricht University, February 27, 2009

Loubele S -

Inhibition of ischemic organ damage with anti-coagulant agents.
Promotor: Prof. H ten Cate. Co-promotor: Dr H Spronk.
Maastricht University, June 18, 2009

Marchetti M -

The hypercoagulable state in patients with essential Thrombocythemia and Polycythemia Vera.
Promotor: Prof. H ten Cate. Co-promotor: Dr A Falanga.
Maastricht University, November 19, 2009

Maurissen L -

Characterization of anticoagulant functions of protein S.
Promotors: Prof. J Rosing, Prof. T Hackeng.
Maastricht University, February 18, 2009

Prinzen L -

Bimodal imaging of molecular targets associated with plaque vulnerability.
Promotors: Prof. D Slaaf, Prof. M van Zandvoort (RWTH, Aachen), Prof. C Reutelingsperger.
Maastricht University, September 17, 2009

Tchaikovski S -

Hormone-induced changes in the coagulation system.
Promotor: Prof. J Rosing. Co-promotor: Dr G Tans.
Maastricht University, December 16, 2009

Wolfs J -

Generation of procoagulant activity in blood cells.
Promotors: Prof. J Rosing, Prof. R Zwaal. Co-promotor: Dr E Bevers.
Maastricht University, September 10, 2009

PHD THESES 2010

Afrasiabi A -

Molecular Genetic Analysis of Patients with Rare Bleeding; disorders in South Iran.
Promotors: Prof. C Hemker and Prof. P Manucci (Milan). Co-promotor: Dr F Peyvandi (Milan).
Maastricht University, March 17, 2010

Di Castelnuovo A -

The protective effect of Moderate Alcohol Consumption against Cardiovascular disease and total Mortality: Epidemiological evidence.
Promotors: Prof. C Hemker and Prof. G de Gaetano (Italy). Co-promotor: Dr M Donati (Campobasso Italy).
Maastricht University, June 2, 2010

Di Giuseppe R -

A nutritional approach to prevent cardiovascular disease: from single foods to complex dietary pattern.
Promotors: Prof. C Hemker and Prof. G de Gaetano (Italy). Co-promotor: Dr L Iacoviello (Campobasso, Italy).
Maastricht University, June 2, 2010

Napoleone E -

Modulation of tissue factor expression in vascular cells.
Promotors: Prof. C Hemker and Prof. G de Gaetano (Italy). Co-promotor: Dr R Lorenzet (Campobasso, Italy).
Maastricht University, June 2, 2010

Schols S -

Thrombin generation and fibrin formation in dilutional coagulopathy: towards improved peri-operative transfusion protocols.
Promotor: Prof. H ten Cate. Co-promotors: Prof. J Heemskerk and Dr L van Pampus.
Maastricht University, February 19, 2010

PHD THESES 2011

Cranenburg E -

Circulating Matrix Fla-protein: a biomarker for vascular disease.
Promotor: Prof. J Rosing. Co-promotores: Dr C Vermeer, Dr L Schurgers.
Maastricht University, March 17, 2011

Duckers C -

Modulators of bleeding tendency in severe factor V deficiency.
Promotor: Prof. J Rosing. Co-promotor: Dr E Castoldi.
Maastricht University, March 24, 2011

Kilinc E -

Effects of air pollution on haemostasis and atherosclerosis.
Promotor: Prof. H ten Cate. Co-promotor: Dr H Spronk.
Maastricht University, December 22, 2011

Nergiz-Unal R -

Platelets in atherothrombosis - roles of CD36 and P2Y12 receptors.
Promotor: Prof. J Heemskerk. Co-promotor: Dr J Cosemans.
Maastricht University, June 23, 2011

Rennenberg R -

Vascular Calcifications and Matrix Gla Protein in Hypertensive Subjects.
Promotor: Prof. P de Leeuw. Co-promotores: Dr A Kroon, Dr L Schurgers.
Maastricht University, July 6, 2011

Stevens KNJ -

Blood-contacting biomaterials for critical clinical applications.
Promotores: Prof. J Maessen, Prof. L Koole.
Maastricht University, December 15, 2011

Costanzo S -

Alcohol Consumption in Relation to Cardiovascular Risk and Mortality.
Promotores: Prof. C Hemker; Prof. G de Gaetano, Campobasso, Italy, Prof. H ten Cate.
Maastricht University, January 26, 2012

Gilio K -

All roads to thrombus formation; demystifying platelet signaling pathways.
Promotor Prof. J Heemskerk. Co-promotor: Dr J Cosemans.
Maastricht University, November 12, 2012

Grottke O -

Effects of haemostatic agents on trauma induced bleeding.
Promotores: Prof. H ten Cate; Prof. R Rossaint, Aachen; Dr H Spronk
Maastricht University, November 1, 2012

Knottnerus I -

Vascular endothelial function and genetic epidemiology in lacunar stroke subtypes.
Promotores: Prof. RJ van Oostenbrugge, Prof. H ten Cate, Prof. J Lodder.
Maastricht University, March 2, 2012

Panova-Noeva M -

Platelet-associated hypercoagulability in patients with Essential Thrombocythemia and Polycythemia Vera.
Promotor: Prof. H ten Cate. Co-promotores: Dr A Falanga, Dr M Marchetti.
Maastricht University, November 29, 2012

Ruiter M -

Reactivity, recruitment and remodeling of collateral arteries in diabetes.
Promotores: Prof. N Schaper, Prof. C Stehouwer.
Co-promotores: Dr M Huijberts; Dr J van Golde.
Maastricht University, September 6, 2012

PHD THESES, EXTERNALLY PREPARED

Klem TMAL -

Venous cry surgery of the leg.
Promotor: Prof. C Wittens. Co-promotor: Dr A van der Ham.
Maastricht University, September 29, 2011

Sarabi A -

Structural and functional characterization of the interactions of platelet-derived chemokines CCL5, CXCL4 and CXCL4L1.
Promotores: Prof. C Weber, Prof. R Fischer. Co-promotor: Dr R Koenen.
RWTH Aachen, January 31, 2011

PHD THESES 2012

Borissoff J CUM LAUDE -

The coagulation-inflammation Axis in Atherosclerosis.
Promotor: Prof. H ten Cate. Co-promotor: Dr H Spronk.
Maastricht University, February 29, 2012

Bouman H -

Towards personalized antiplatelet therapy.
Promotor: Prof. H ten Cate. Co-promotores: Dr C Hackeng, Dr J van Werkum.
Maastricht University, March 22, 2012

Aerts HJWL, Dubois L, Hackeng TM, Straathof R, Chiu R, Lieuwes NG, Jutten B, Weppeler SA, Lammering G, Wouters BG, Lambin P - Development and evaluation of a cetuximab-based imaging probe to target EGFR and EGFRvIII. *Radiother Oncol* 2007; 83(3): 326-332 IF 3.970

Aldenhoff YBJ, Hanssen HHL, Knetsch MLW, Koole LH - Thrombus Formation at the Surface of Guide-Wire Models: Effects of Heparin-releasing or Heparin-exposing Surface Coatings. *J Vasc Interv Radiol* 2007; 18(3): 419-25 IF 2.398

Bank I, van de Poel MH, Coppens M, Hamulyak K, Prins MH, van der Meer J, Veegeer NJ, Büller HR, Middeldorp S - Absolute annual incidences of first events of venous thromboembolism and arterial vascular events in individuals with elevated FVIII: c A prospective family cohort study. *Thromb Haemostasis* 2007; 98(5): 1040-4 IF 2.803

De Bièvre MA, Vrij AA, Schoon EJ, Dijkstra G, de Jong AE, Oberndorff-Klein Woolthuis A, Hemker HC, Stockbrügger RW - Randomized placebo-controlled trial of low molecular weight heparin in active ulcerative colitis. *Inflamm Bowel Dis* 2007; 13(6): 753-8 IF 3.912

Bizzarro S, van der Velden U, ten Heggeler JM, Leivadarios E, Hoek FJ, Gerdes VE, Bakker SJ, Gans RO, ten Cate H, Loos BG - Periodontitis is characterized by elevated PAI-1 activity. *J Clin Periodontol* 2007; 34(7): 574-80 IF 2.380

Boelen EJH, Koole LH, van Rhijn LW, Corstjens-van Hooy CSJ - Towards a functional radiopaque hydrogel for nucleus pulposus replacement. *J Biomed Mater Res B* 2007; 83B(2): 440-50 IF 1.778

Boelen EJH, Lewis G, Xu J, Slots TL, Koole LH, Corstjens-van Hooy CSJ - Evaluation of a highly-radiopaque iodine-containing acrylic bone cement for use in augmentation of vertebral compression fractures. *J Biomed Mater Res A* 2007; IF 2.497

Boots AW, Schins RPF, Duffin R, Heemskerk JWM, Bast A, Haenen GRMM - The quercetin paradox. *Toxicol Appl Pharm* 2007; 222: 89-96 IF 4.722

Brandts A, van Hylckama Vlieg A, Rosing J, Baglin TP, Rosendaal FR - The risk of venous thrombosis associated with a high endogenous thrombin potential in the absence and presence of activated protein C. *J Thromb Haemostasis* 2007; 5(2): 416-8 IF 5.138

Bügel S, Sørensen AD, Hels O, Kristensen M, Vermeer C, Jakobsen J, Flynn A, Mølgaard C, Cashman KD - Effect of phyloquinone supplementation on biochemical markers of vitamin K status and bone turnover in postmenopausal women. *Brit J Nutr* 2007; 97(2): 373-80 IF 2.708

Cario-Toumaniantz C, Boularan C, Schurgers LJ, Heymann M-F, Le Cunff M, Léger J, Loirand G, Pacaud P - Identification of differentially expressed genes in human varicose veins: involvement of matrix Gla-protein in extracellular matrix remodeling. *J Vasc Res* 2007; 44: 444-459 IF 2.505

Castoldi E, Simioni P, Tormene D, Thomassen MCLGD, Spiezia L, Gavasso S, Rosing J - Differential effects of high prothrombin levels on thrombin generation depending on the cause of the hyperprothrombinemia. *J Thromb Haemost* 2007; 5: 971-979 IF 5.138

Cauwenberghs S, Feijge MAH, Theunissen EL, Heemskerk JWM, van Pampus ECM, Curvers J - Novel methodology for the assessment of platelet transfusion therapy by measuring increased thrombus formation and thrombin generation. *Brit J Haematol* 2007; 136: 480-490 IF 4.498

Cauwenberghs S, van Pampus ECM, Curvers J, Akkerman JWN, Heemskerk JWM - Hemostatic and signaling functions of transfused platelets. *Transfus Med Rev* 2007; 21: 287-294 IF 2.791

Coppens M, Folkeringa N, Teune MJ, Hamulyak K, van der Meer J, Prins MH, Büller HR, Middeldorp S - Outcome of the subsequent pregnancy after a first loss in women with the factor V Leiden or prothrombin 20210A mutations. *J Thromb Haemost* 2007; 5(7): 1444-8 IF 5.138

Corsten MF, Reutelingsperger CPM, Hofstra L - Imaging apoptosis for detecting plaque instability: rendering death a brighter facade. *Curr Opin Biotech* 2007; 18(1): 83-89 IF 6.949

Corstjens-van Hooy CSJ, Bulstra SK, Knetsch MLW, Geussens P, Kuijjer R, Koole LH - Biocompatibility of a new radiopaque iodine-containing acrylic bone cement. *J Biomed Mater Res B* 2007; 80B: 339-44 IF 1.778

Cranenburg ECM, Schurgers LJ, Vermeer C - Vitamin K the coagulation vitamin that became omnipotent. *Thromb Haemostasis* 2007; 98: 120-125 IF 2.803

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Hemker HC - The initiation phase--a review of old (clotting-) times. *Thromb Haemostasis* 2007; 98(1): 20-3 IF 2.803

Hemker HC, de Smedt ELH, Al Dieri R - The contribution of alpha(2)-macroglobulin thrombin to the endogenous thrombin potential. *Brit J Haematol* 2007; 139(3): 513 IF 4.498

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ADDENDUM I
GRANTS
SUPPORTING
RESEARCH IN
MAIN THEME II

YEAR	TITLE	TYPE	COMPANY BASE/ ORGANISATION	COUNTRY	SUPPORT (K€) from:		
					NWO/STW	foundations	contracts
2007	In-vivo mechanisms of drug-induced Torsades de Pointes	Contract	Janssen Pharmaceutica, Div Johnson & Johnson	Belgium			81
	Effect of AVE 1231 on atrial contractility in normal and electrically remodeled atria in goat	Contract	Sanofi-Aventis	Germany			81
	Educational grant agreement	Contract		The Netherlands			13
	Collaboration agreement	Contract	Medtronic Bakken Research Center	The Netherlands			70
	Study on the use of intermittent ventricular pacing for the prevention of heart failure	Contract	Cardiac Pacemakers/ Boston Scientific	USA			145
	Clinical evaluation of a new continuous ECG Arrhythmia Monitor: the gain of long-term event monitoring	Contract	CTCM	The Netherlands			6
	Surface vs Subcutaneous ECG study	Contract	CTCM	The Netherlands			16
	Vernakalant (oral) Prevention of Atrial Fibrillation Recurrence Post-Conversion Study	Contract	CTCM	The Netherlands			56
	Optimize RV. Selective site pacing clinical trial	Contract	CTCM	The Netherlands			109
	XPECT: Reveal XT Performance Trial	Contract	CTCM	The Netherlands			10
	Study of the effects of KW-3902IV Injectable Emulsion on heart failure signs and symptoms etc	Contract	CTCM	The Netherlands			60
	Evaluation of EmBlocker™	Contract	CTCM	The Netherlands			32
	Subcellular trafficking of CD36 as target for restoring cardiac dysfunction in type-2 diabetes	Grant	Diabetes Foundation Netherlands	The Netherlands		270	
	Leducq European-North American atrial fibrillation research alliance	Grant	Fondation Leducq	France		647	
	Support stage UK	Grant	Hein Wellens Foundation	The Netherlands		18	
	Hustinx chair S. Dimmeler	Grant	Hustinx Foundation	The Netherlands		23	
	Student travel grant	Grant	NHS	The Netherlands		6	
	Control of cardiac growth by kruppel-like factor 15	Grant	NHS	The Netherlands		240	
	Genetic modulation of protein kinase-D in the heart: a novel target to restore metabolism and function in diabetic cardiomyopathy	Grant	tUL	The Netherlands		200	
	Kootstra Fellowship M. Corsten	Grant	UM / FHML	The Netherlands		18	
	Kootstra Fellowship M. Schellings	Grant	UM / FHML	The Netherlands		25	
	The role of myocardial reactive oxygen species in the onset and maintenance of atrial fibrillation	Grant	British Heart Foundation via University of Oxford	United Kingdom		55	
Total					0	1,502	679
2008	Evaluation of the antifibrillatory effects of DHA and F 16915 in the goat	Contract	IRPF	France			62
	Further studies on the effect of LV endocardial pacing in a canine LBBB model	Contract	EBR-systems Delaware				84
	Chronic alternate site pacing in canine hearts	Contract	Medtronic BRC	The Netherlands			75
	The influence of AV-node stimulation on ventricular rate during atrial fibrillation	Contract	Medtronic Bakken Research Center B.V.	The Netherlands			33
	Consultancy agreement ATHENA study	Contract	Sanofi-Aventis	France			40
	Collaboration agreement: Feasibility study to evaluate the use of a new technique for real time cardiac dimension measurement from regular intra cardiac electrodes	Contract	Medtronic Bakken Research Center B.V.	The Netherlands			37
	Studies on the use of glucocorticoids after myocardial infarction	Contract	Durect	USA			76
	Funded post/fellowship agreement	Contract	St. Jude Medical Netherlands	The Netherlands			180
	Telmisartan for the treatment of viral heart disease, a preclinical study	Contract	Boehringer Ingelheim	Germany			84

YEAR	TITLE	TYPE	COMPANY BASE/ ORGANISATION	COUNTRY	SUPPORT (K€) from:		
					NWO/STW	foundations	contracts
2008	Rheos CVRx Diastolic Heart Failure Trial	Contract	CTCM	The Netherlands			23
	Randomized Clinical Evaluation of LeGoo Internal Vessel Occluder vs. Traditional Vessel Loops	Contract	CTCM	The Netherlands			30
	Study to assess the effects of intravenous BG9928 on body weight etc	Contract	CTCM	The Netherlands			81
	Study of the effects of KW3902 injectable emulsion on heart failure signs and symptoms etc	Contract	CTCM	The Netherlands			63
	RELY-ABLE long term multi-center extension of dabigatran treatment in patients with atrial fibrillation etc	Contract	CTCM	The Netherlands			52
	Heart Beat Survival Program	Contract	CTCM	The Netherlands			139
	The electro-pathological substrate of persistent atrial fibrillation: taking AF to the 3rd dimension	Grant	ZonMw	The Netherlands	406		
	VENI B. Schroen MicroRNAs - dissection of their regulation and function using a genetical genomics strategy	Grant	ZonMw	The Netherlands	208		
	VIDI S. Heymans The cardiac matrix protects the heart against harmful inflammation during viral aggression	Grant	ZonMw	The Netherlands	600		
	PRIMA study	Grant	ICIN (KNAW)	The Netherlands	25		
	Importance and treatment of viral cardiomyopathy	Grant	NHS	The Netherlands		220	
	Improved detection of electrical abnormalities in inherited loss-function sodium channelopathies of the heart NHS dr E. Dekker programma: junior stafid P. Volders	Grant	NHS	The Netherlands		248	
	Facilitating therapy of congenital heart diseases by computer modeling of the heart and circulation, e.g. hypoplastic left heart syndrome (HLHS)	Grant	NHS	The Netherlands		180	
	Hein Wellens Visiting Professorship Prof Y. Rudy	Grant	St. Sint Annadal	The Netherlands		23	
	SPARC: (osteonectin) keeps the heart together. A protective role for SPARC against heart failure toekenning 2008; start 2009	Grant	NHS	The Netherlands		170	
	Atrial specific potassium channels as new drug targets in atrial fibrillation	Grant	NHS	The Netherlands		108	
	Fellow M. Gawrysiak European Rythm Association	Grant	European Rythm Association	Belgium		25	
	Unraveling the vesicular trafficking machinery controlling cardiac fatty acid metabolism to understand the molecular etiology of diabetic cardiomyopathy	Grant	FHML	The Netherlands		180	
	Student travel grant	Grant	NHS	The Netherlands		3	
Total					1,239	1,157	1,059
2009	Cardiac Electrophysiological Characteristics of AZD1305 in Anesthetized Mongrel Dogs	Contract	AstraZeneca	Sweden			30
	Service agreement	Contract	AstraZeneca	Sweden			21
	Enhanced prediction and prevention of drug-induced Torsades de Pointes	Contract	AstraZeneca	United Kingdom			45
	Sponsoring agreement	Contract	Boehringer Ingelheim	Germany			31
	Clinical evaluation of pacing during the onset of revascularization	Contract	Guidant Europe / Boston Scientific	Belgium			10
	Collaboration agreement: Feasibility of using AV-node vagal stimulation as a protective measure against life-threatening arrhythmias and against infarct size expansion	Contract	Medtronic Bakken Research Center B.V.	The Netherlands			110
	Consultancy agreement	Contract	Medtronic Bakken Research Center BV	The Netherlands			48
	Cardiovascular Grand Rounds	Contract	Medtronic Trading NL BV	The Netherlands			3

YEAR	TITLE	TYPE	COMPANY BASE/ ORGANISATION	COUNTRY	SUPPORT (K€) from:		
					NWO/STW	foundations	contracts
2009	Study agreement	Contract	Merck Eprova AG	Switzerland			170
	Two-day training course in arrhythmology	Contract	Sanofi-Aventis	France			20
	Educational grant	Contract	Meda Pharma	The Netherlands			28
	Sponsoring agreement	Contract	BMEYE BV	The Netherlands			15
	Cardiofit Vagus Nerve STIMulation for treatment of heart failure patients with preserved ejection fraction	Contract	CTCM	The Netherlands			92
	Study of celivarone at 50, 100 and 300 mg OD with amiodarone as calibrator for the prevention of ICD interventions or death	Contract	CTCM	The Netherlands			94
	F Artery Coronary T Syndrome	Contract	CTCM	The Netherlands			4
	Routine versus Aggressive upstream rhythm Control for prevention of Early atrial fibrillation in heart failure	Contract	CTCM	The Netherlands			75
	Cardiomyopathy and endomyocardial parvovirus B19 persistence etc	Contract	CTCM	The Netherlands			157
	The Effect of acadesine on clinically significant adverse cardiovascular etc CABG)	Contract	CTCM	The Netherlands			83
	Rocket AF and ENGAGE	Contract	CTCM	The Netherlands			64
	Treatment after conversion with loading dose of a Miodarone in patients with persistent Atrial Fibrillation requiring conversion of AF (ARTEMIS)	Contract	CTCM	The Netherlands			40
	Evaluation of the Safety and Efficacy of Apixaban In Subjects with a Recent Acute Coronary Syndrome	Contract	CTCM	The Netherlands			66
	Trial to compare the efficacy of otamixaban with Unfractionated Heparin + eptifibatide etc	Contract	CTCM	The Netherlands			90
	Micro RNA function in heart failure	Grant	ZonMw	The Netherlands	47		
	VIDI P. Volders Dying suddenly of excitement: New perspectives on the role of the sympathetic nervous system in cardiac ventricular repolarization and arrhythmogenesis	Grant	ZonMw	The Netherlands	717		
	NFAT, a transcriptional platform for heart failure	Grant	ZonMw	The Netherlands	211		
	MicroRNAs as hallmarks of susceptibility to viral heart disease	Grant	ZonMw/Netherlands Genomics Initiative	The Netherlands	100		
	VIDI A. Moens Specific targeting eNOS-dependent superoxide by modulating eNOS-uncoupling, a new therapeutic strategy to support the failing heart	Grant	ZonMw	The Netherlands	800		
	Magnetic resonance perfusion imaging in patients from the Euregio with stable angina pectoris (EUREGIO-AP)	Grant	Academic Hospital Maastricht	The Netherlands		172	
	CTMM TRIUMPH	Contract	CTMM	The Netherlands		1023	
	CTMM PREDICt WP 3	Contract	CTMM	The Netherlands		501	
	CTMM TRIUMPH WP 1	Contract	CTMM	The Netherlands		84	
	CTMM biomarker COPHAR	Contract	CTMM	The Netherlands		2122	
	Research agreement Leducq	Grant	Foundation Leducq	France		407	
	miR-155 protects against heart failure	Grant	NHS	The Netherlands		240	
	Prevention of doxorubicin-induced acute cardiotoxicity and chronic ventricular dysfunction by modulating eNOS-uncoupling.	Grant	NHS	The Netherlands		250	
	Total				1,875	4,799	1,296

YEAR	TITLE	TYPE	COMPANY BASE/ ORGANISATION	COUNTRY	SUPPORT (K€) from:		
					NWO/STW	foundations	contracts
2010	Grant Agreement	Contract	TERUMO Europe NV	Belgium			150
	Consultancy agreement	Contract	Sanofi-Aventis Netherlands	The Netherlands			40
	Consulting agreement	Contract	Schering-Plough	The Netherlands			1,5
	Tissue in-growth evaluation of various defibrillation coil subassemblies	Contract	Medtronic Bakken Research Center B.V.	The Netherlands			5
	International registry on cardioversion of atrial fibrillation RHYTHM-AF	Contract	MSD - UPTOYOU	The Netherlands			24
	Study on the use of intermittent ventricular pacing for the prevention of heart failure	Contract	Cardiac Pacemakers/ Boston Scientific	USA			22
	Research agreement	Contract	AtriCure	USA			55
	Consultancy agreement	Contract	Sanofi-Aventis	France			10
	Consultancy agreement	Contract	Roche Diagnostics Ltd.	Switzerland			92
	Clinical study agreement	Contract	Sanofi-Aventis	The Netherlands			11
	Physician training laboratories for the WiSE-CRT study	Contract	EBR-systems Delaware	USA			27
	Septum pacing for AF termination	Contract	Medtronic Bakken Research Center B.V.	The Netherlands			85
	Cardiovascular Grand Rounds	Contract	Boehringer Ingelheim	The Netherlands			2,5
	Sponsoring agreement	Contract	Boehringer Ingelheim	The Netherlands			65
	Cardiovascular Grand Rounds	Contract	Sanofi-Aventis/ Sanofi-BMS	The Netherlands			6
	The feasibility of electrically stimulating carotid baroreceptor nerve fibers to lower blood pressure	Contract	Medtronic Bakken Research Center B.V.	The Netherlands			7
	Collaboration agreement	Contract	Bioterics	Switzerland			2
	TRanslational Initiative on Unique and novel strategies for Management of Patients with Heart failure etc	Contract	CTCM	The Netherlands			59
	Phase 3 study to demonstrate the efficacy and safety of ACT-293987 in patients with pulmonary arterial hypertension	Contract	CTCM	The Netherlands			47
	Study, to assess the safety and tolerability of ACT-293987 in patients with pulmonary arterial hypertension	Contract	CTCM	The Netherlands			31
	INcrease Of VAgal TonE in chronic Heart Failure (INOVATE-HF)	Contract	CTCM	The Netherlands			171
	Next generation INCEPTA ICD and CRT-D Field Following Study: Respiratory Rate Trend Evaluation in Heart Failure Patients	Contract	CTCM	The Netherlands			15
	Source Registry XT: Edwards Sapien Aortic Bioprosthesis Multi-Region Outcome Registry XT	Contract	CTCM	The Netherlands			227
	Safety, Efficacy, and Pharmacodynamics of the REG1 Anticoagulation System Compared etc	Contract	CTCM	The Netherlands			4
	Multicenter Automatic Defibrillator Implantation Trial: Reduce Inappropriate Therapy	Contract	CTCM	The Netherlands			29
	Left Ventricular Lead Acute Clinical Study	Contract	CTCM	The Netherlands			11
	Study to Evaluate the Safety and efficacy of Vernakalant Hydrochloride Injection in Patients with Recent Onset Symptomatic Atrial Fibrillation	Contract	CTCM	The Netherlands			41
	Cardiovascular Outcomes after Treatment with Sitagliptin in Patients with Type 2 Diabetes Mellitus and Inadequate Glycemic Control	Contract	CTCM	The Netherlands			51
	The prevention of thrombotic events with ticagrelor compared with placebo on a background of acetyl salicylic acid (ASA) therapy in patients with history of myocardial infarction	Contract	CTCM	The Netherlands			58
	The clinical benefit of Dronedarone 400 mg BID on top of standard therapy in patients with permanent atrial fibrillation and additional risk factors	Contract	CTCM	The Netherlands			191

YEAR	TITLE	TYPE	COMPANY BASE/ ORGANISATION	COUNTRY	SUPPORT (K€) from:		
					NWO/STW	foundations	contracts
2010	To evaluate cardiovascular safety of linagliptin versus glimepiride etc	Contract	CTCM	The Netherlands			438
	DELUX registry - Drug Eluting Pantera LUX Catheter Registry	Contract	CTCM	The Netherlands			3
	ASPASIA VIDI A. Moens Specific targeting eNOS-dependent superoxide by modulating eNOS-uncoupling, a new therapeutic strategy to support the failing heart	Grant	ZonMw	The Netherlands	50		
	Visual sonics echo scanner	Grant	ZonMw	The Netherlands	300		
	The spacemaker: a novel multipurpose platform that facilitates manoeuvrability for endoscopic instruments	Grant	STW / NWO	The Netherlands	494		
	Hein Wellens Visiting Professorship Prof Raymond J. Kim	Grant	St. Sint Annadal - Hein Wellens Foundation	The Netherlands		23	
	Support for training and career development of researchers (Marie Curie) Optimization of noninvasive assessment of the substrate for atrial fibrillation - ASAF	Grant	EU	Belgium		75	
	Research agreement	Grant	Boston Scientific Corporation	The Netherlands		118	
	CardiaBase: Alphee study	Grant	CardiaBase	France		5	
	Assessment of the substrate for atrial fibrillation using tissue velocity imaging of the fibrillating atrial wall	Grant	NHS	The Netherlands		161	
	The embryonic transcription factor HAND2 (dHAND) regulates left and right ventricular remodeling towards dilated cardiomyopathy	Grant	NHS	The Netherlands		240	
	Importance of the KCNQ1 transmembrane segment S6 for the adrenergic control of cardiac repolarization	Grant	NHS	The Netherlands		236	
	The European network for Translational Research in Atrial Fibrillation	Grant	EU / EUTRAF	Belgium		1400	
	ESC research grant Dr Miren David Transatlantic Career Development Award P. da costa Martins MiR-216a: a cell death regulating MicroRNAs during myocardial repair	Grant	ESC	France		20	
		Grant	Fondation Leducq	France		225	
	Blocking Wnt/frizzled signalling: a novel therapeutic approach to prevent heart failure development after myocardial infarction	Grant	NHS	The Netherlands		220	
	Towards better pacing therapies in patients with congenital heart disease	Grant	NHS	The Netherlands		82	
	dr E. Dekker program - junior staff member W. Vanagt	Grant	NHS	The Netherlands		136	
Total					844	2,941	1,981
2011	Educational Grant Agreement -postdoctoral fellowship Dr J. Lumens in Centre Hospitalier Universitaire de Bordeaux	Contract	Pfizer	The Netherlands			10
	Consultancy agreement	Contract	Merck	USA			3
	Antihypertensive en antihypertrofe effecten van LeadPharmaHolding stoffen in de spontaan hypertensive rat	Contract	Lead Pharma Holding	The Netherlands			59
	Collaboration agreement	Contract	Merck Sharp & Dohme (MSD)	USA			87
	Research agreement for TIME-CHF Safety Analysis	Contract	Roche Diagnostics Ltd.	Switzerland			26
	Linagliptin for the inhibition of cardiac inflammation, fibrosis and dysfunction in pressure overloaded hearts	Contract	Boehringer Ingelheim	Germany			95
	Research agreement	Contract	Roche Diagnostics Nederland	The Netherlands			16
	Does AV-node stimulation induce a decrease in cardiac inflammation	Contract	BRC / Medtronic	The Netherlands			6
	Collaboration agreement	Contract	Merck Sharp & Dohme (MSD)	The Netherlands			65

YEAR	TITLE	TYPE	COMPANY BASE/ ORGANISATION	COUNTRY	SUPPORT (K€) from:		
					NWO/STW	foundations	contracts
2011	Effect of NCX1 Blocker on stability of atrial fibrillation	Contract	Bayer HealthCare	Germany			45
	Determining the Feasibility of Spinal Cord Neuromodulation for the Treatment of Chronic Heart Failure	Contract	CTCM	The Netherlands			74
	MALT Meeting	Contract	CTCM	The Netherlands			15
	Trial to Assess the OMEGA Coronary Stent System for the Treatment of a Single De Novo Coronary Artery Lesion	Contract	CTCM	The Netherlands			35
	Clinical trial for the assessment of coronary plaque changes with RVX000222, as determined by intravascular ultrasound	Contract	CTCM	The Netherlands			94
	Global Registry on Long-Term Oral Antithrombotic Treatment in patients with Atrial Fibrillation	Contract	CTCM	The Netherlands			8
	ALternate Site Cardiac ReSYNChronization (ALSYNCR)	Contract	CTCM	The Netherlands			39
	Trial of quarterly subcutaneous canakinumab in the prevention of recurrent cardiovascular events among stable post-myocardial infarction patients with elevated hsCRP	Contract	CTCM	The Netherlands			153
	Regulated sugar for my sweetheart! Glycogen-targeting of AMP-activated protein kinase	Grant	NWO	The Netherlands	800		
	Synchronous ventricular pacing using novel left ventricular septum pacing site	Grant	ZonMw	The Netherlands	160		
	Development of microRNA medicines for cardiac metabolic diseases; a targeted European Exchange Programme	Grant	EU/CardiomiR	Belgium		967	
	Markers for Sub-Clinical Cardiovascular Risk Assessment FP7 EU MASCARA	Grant	EU/MASCARA	Belgium		271	
	Collaboration agreement	Grant	CRP-SANTE	Luxemburg		10	
	The MEtabolic Road to DIAstolic Heart Failure	Grant	EU/MEDIA	The Netherlands		1,050	
	Research agreement	Grant	Boston Scientific	The Netherlands		118	
	CTMM COPHAR	Grant	CTMM COHFAR	The Netherlands		334	
	Biomarkers to predict cardiac failure, arrhythmias and success of treatment	Grant	CTMM COHFAR	The Netherlands		700	
	Cyttron II	Grant	Agentschap NL (Life Sciences & Health)	The Netherlands		350	
	Total				960	3,800	830
2012	Cardiovascular Grand Rounds	Contract	Medtronic Bakken Research Center	The Netherlands			5
	Consulting agreement	Contract	AstraZeneca	Sweden			2
	Material Transfer agreement	Contract	Enverdis	Germany			12
	Collaboration agreement	Contract	Merck Sharp & Dohme (MSD)	USA			24
	Consultancy agreement	Contract	Bristol-Myers Squibb BV	The Netherlands			1
	Consultancy Agreement	Contract	SHIRE AG	Switzerland			8
	Consultancy service agreement	Contract	Bristol-Myers Squibb BV	France			15
	With top cyclists to a more specific troponin assay	Contract	CTCM	The Netherlands			100
	Impact of airflow limitation in chronic heart failure	Contract	CTCM	The Netherlands			124
	Study to evaluate the hemodynamic responses to intravenous RLX030 infusion in subjects with acute heart failure	Contract	CTCM	The Netherlands			76
	Study to evaluate the efficacy and safety of LCZ696 compared to enalapril on morbidity and mortality in patients with chronic heart failure and reduced ejection fraction	Contract	CTCM	The Netherlands			88
	System safety and efficacy in treatment of patients diagnosed with NYHA Class II-III Heart Failure	Contract	CTCM	The Netherlands			27
	Gloria-AF: Global registry on long-term oral anti-thrombotic treatment in patients with atrial fibrillation	Contract	CTCM	The Netherlands			11

YEAR	TITLE	TYPE	COMPANY BASE/ ORGANISATION	COUNTRY	SUPPORT (K€) from:		
					NWO/STW	foundations	contracts
2012	Study exploring the efficacy and safety of once-daily oral rivaroxaban (BAY 59-7939) compared with that of dose-adjusted oral vitamin K antagonists (VKA) etc	Contract	CTCM	The Netherlands			29
	Group study to evaluate the effect of Ranolazine and Dronedarone when given alone and in combination on atrial fibrillation burden in subjects with Paroxysmal atrial fibrillation	Contract	CTCM	The Netherlands			31
	Study of the Effects of Once-Daily Oral Doses of 75 mg Azimilide Dihydrochloride on the Incidence of Cardiovascular Hospitalizations etc	Contract	CTCM	The Netherlands			72
	Integrated chronic care program at specialized AF clinic versus usual care in patients with atrial fibrillation, a multicenter randomized controlled clinical trial - RACE-4	Contract	CTCM	The Netherlands			154
	Attain performa quadripolar lead clinical study	Contract	CTCM	The Netherlands			48
	Study to evaluate the safety and pharmacokinetics of oral, Dabigatran etexilate in patients after heart valve replacement	Contract	CTCM	The Netherlands			47
	Increased arterial stiffness in formerly preeclamptic women characterizes reduced vascular reserves and relates to imminent chronic hypertension (personal grant C. Ghossein, Mozaik beurs)	Grant	NWO	The Netherlands	200		
	YourRhythmics Non-invasively Classifying Atrial Fibrillation (Pre-Seed Grant U. Schotten)	Grant	ZonMw / NGL	The Netherlands	250		
	CVON-ARENA Approaching Heart Failure by Translational research of RNA Mechanisms	Grant	ZonMw / NWO	The Netherlands	1.120		
	Regionalcare Portals. Innovative solutions for chronic diseases	Grant	EU / Interreg IVB	Belgium		280	
	Cell Line models CM	Grant	Academic Hospital Maastricht Clin Genomics	The Netherlands		175	
	RNA-based regulation of signal transduction Regulation of calcineurin/NFAT signalling by micro RNA-based mechanisms	Grant	EU / CALMIRS	Belgium		1500	
	Noninvasive patient-specific Cardiovascular simulation to optimize diagnosis and pacemaker treatment of heart failure						
	NHS Dr Dekker junior postdoctoral fellow J. Lumens	Grant	NHS	The Netherlands		279	
	Ontrafeling van de genetische oorzaken bij sporadische mitochondriële aandoeningen	Grant	Metakids	The Netherlands		50	
	Student travel grant NHS	Grant	NHS	The Netherlands		3	
	Heart 'omics in AGEing' for the validation of 'omics-based biomarkers for diseases affecting the elderly	Grant	EU / HOMAGE	France		925	
	Marie Curie fellowship D. Chanda Exploiting the MSP-AMPK pathway for amelioration of NASH	Grant	EU / MANASH	Belgium		184	
	Post-transcriptional regulation of autophagy: MiR-216a as a cell death-regulating microRNA during myocardial repair	Grant	NWO MEERVOUD	The Netherlands		222	
Total					1,570	3,618	874

C_ ADDENDUM II OUTPUT OF MAIN THEME II IN 2007-2012

- 1. LIST OF PHD THESES 2007 – 2012**
- 2. LIST OF PUBLICATIONS 2007 – 2012**

PHD THESES 2007

Heijmans J –

Short-stay intensive care after coronary surgery. Studies in the development of a clinical pathway protocol.

Promotores: Prof. M van Kleef, Prof. J Maessen.

Co-promotor: Dr P Roekaerts.

Maastricht University, November 29, 2007

Moreira W –

Atrial Flutter/Atrial Fibrillation: Long term follow-up of cryoablation with new pathophysiologic insights.

Promotor: Prof. M Daemen. Co-promotores: Dr L

Rodriguez, Dr C Timmermans.

Maastricht University, December 6, 2007

Nieuwlaat R –

Management of atrial fibrillation in Europe.

Promotor: Prof. H Crijns.

Maastricht University, September 21, 2007

Op den Buijs R –

Pharmacokinetics and pharmacogenetics of

tacrolimus in renal transplant patients.

Promotor: Prof. M van Dieijen-Visser. Co-promotor:

Dr O Bekers.

Maastricht University, October 25, 2007

Peppelenbosch A –

Endovascular treatment in elective and ruptured abdominal aortic aneurysms.

Promotor: Prof. M Jacobs. Co-promotores: Dr G Schurink, Dr J Buth.

Maastricht University, September 28, 2007

Pullen J –

Pharmacokinetics and dosing of antibiotics in neonates.

Promotor: Prof. L Zimmerman. Co-promotores: Dr C Neef, Dr L Stolk, Dr P Degraeuwe.

Maastricht University, April 26, 2007

Schellings M –

Matricellular proteins: essential modulators of cardiac remodeling.

Promotor: Prof. Y Pinto. Co-promotor: Dr S Heymans.

Maastricht University, November 23, 2007

Vanagt W –

Pacing-induced dyssynchrony, blessing or curse?

Promotor: Prof. G van der Vusse. Co-promotores: Dr F Prinzen, Dr T Delhaas.

Maastricht University, December 21, 2007

Willigers H –

Anesthesiological strategies to modulate the surgical stress response; a focus on the cardiovascular consequences.

Promotor: Prof. M van Kleef. Co-promotores: Dr F Prinzen, Dr P Roekaerts.

Maastricht University, October 18, 2007

PHD THESES, EXTERNALLY PREPARED

Van Empel V –

Apoptosis-Inducing Factor in cardiac cell death and cell survival.

Promotores: Prof. H Crijns, Prof. P Doevendans.

Utrecht University, September 13, 2007

PHD THESES 2008

Donker D –

Cardiac mechanomyopathy.

Promotores: Prof. H Crijns, Prof. M Vos. Co-

promotor: Dr P Volders.

Maastricht University, September 11, 2008

Driesen R –

Adaptive remodeling of cardiomyocytes under stress.

Promotores: Prof. F Ramaekers, Prof. M Borgers.

Co-promotor: Dr F Verheyen.

Maastricht University March 20, 2008

Gamboa Vilela D –

Analysis of gene expression in the Leishmania

Life Cycle: Leishmania (Viannia) braziliensis and

Leishmania (Viannia) peruviana model.

Promotor: Prof. C Bruggeman. Co-promotor: Dr G van Eys.

Maastricht University, September 4, 2008

De Graaf R –

Venous graft remodeling. Novel mechanisms and pharmaco-modulation strategies.

Promotores: Prof. C Bruggeman, Prof. P Kitslaar.

Co-promotor: Dr F Stassen.

Maastricht University, November 13, 2008

Habets D –

Regulation of cardiac long-chain fatty acid and glucose utilization: studies with cardiomyocytes from genetically manipulated mice.

Promotores: Prof. J Glatz, Prof. A Bonen. Co-promotor: Dr J Luiken.

Maastricht University, December 8, 2008

Kietselaer B –

The Annexin Code; Revealing Cardiovascular Disease.

Promotor: Prof. H Crijns. Co-promotor: Dr L Hofstra.

Maastricht University, June 19, 2008

Michielsen E –

Implications of cardiac troponin T degradation.

Promotor: Prof. M van Dieijen-Visser. Co-promotor: Dr K Wodzig.

Maastricht University, February 29, 2008

Smeets P –

PPARs as Modulators of cardiac remodelling.

Promotor: Prof. G van der Vusse. Co-promotor: Dr M van Bilsen.

Maastricht University, December 4, 2008

Tack F –

Post transcriptional gene silencing and peptide microarray as a way to perform drug target validation.

Promotores: Prof. F Ramaekers, Prof. M Borgers.

Co-promotor: Dr M Janicot.

Maastricht University, June 12, 2008

Wouters K –

Non-Alcoholic Steatohepatitis: Second Hit or Strike Out?

Promotor: Prof. M Hofker. Co-promotores: Dr M van Bilsen, Dr R Sverdlov.

Maastricht University, December 3, 2008

PHD THESES, EXTERNALLY PREPARED

Roumen L –

A computational study of the substrate conversion and selective inhibition of aldosterone synthase.

Promotor: Prof. P Hilbers (Eindhoven University of Technology).

Co-promotor: Dr J Hermans

(Maastricht University).

Eindhoven University of Technology, October 1,

2008

PHD THESES 2009

Borne van den S –

Myocardial infarct healing: Rupture and remodeling.

Promotores: Prof. J Smits, Prof. M Daemen. Co-

promotor: Dr M Blankesteijn.

Maastricht University, April 17, 2009

Gelsomino S –

New insights in the Surgical Treatment of Chronic ischemic mitral regurgitation.

Promotor: Prof. J Maessen. Co-promotores: Dr R Lorusso, Dr F van der Veen.

Maastricht University, April 24, 2009

Kroon JW –

Mechanocontrol of cardiac growth and remodeling.

Promotor: Prof. T Arts. Co-promotores: Dr T Delhaas, Dr P Bovendeerd (Eindhoven University of Technology).

Maastricht University, May 14, 2009

Mastrigt van G –

Outcome assessment and economic evaluation of short stay intensive care for coronary artery bypass patients.

Promotores: Prof. J Maessen, Prof. M Prins, Prof. J Severens.

Maastricht University, September 25, 2009

Sauren L –

Cerebral microembolic signals in cardiac interventions.

Promotores: Prof. J Maessen, Prof. W Mess. Co-promotor: Dr F van der Veen.

Maastricht University, December 15, 2009

Schans van de V –

Wnt signaling and Cardiac hypertrophy.

Promotores: Prof. J Smits, Dr M Blankesteijn.

Maastricht University, January 22, 2009

PHD THESES, EXTERNALLY PREPARED

El Azzouzi H –

Peroxisome proliferators-activated receptor (PPAR) regulation in cardiac metabolism and disease.

Promotor: Prof. H Clevers. Co-promotores: Dr L de Windt, Dr M van Bilsen.

Utrecht University, January 13, 2009

Roijers R –

Element analysis with a proton microprobe of early atherosclerotic lesions.

Promotor: Prof. G van der Vusse.

Eindhoven Technical University, January 14, 2009

PHD THESES 2010

Greiser M –

Remodeling of intracellular calcium handling in fibrillating atria.
Promotor: Prof. M Allesie. Co-promotor: Dr U Schotten.
Maastricht University, June 3, 2010

Laeremans H –

Discovery of ligands for Frizzled and their promises for the diagnosis and treatment of cardiovascular disease.
Promotor: Prof. J Smits. Co-promotors: Dr H Ottenheijm and Dr M Blankesteijn.
Maastricht University, May 19, 2010

Lumens J –

Patient-specific cardiovascular modeling in pulmonary hypertension. Assessment of hemodynamic and mechanical ventricular interaction.
Promotors: Prof. T Arts and Prof. T Delhaas
Maastricht University, July 2, 2010

Merry A –

Coronary heart disease in the Netherlands: Incidence etiology and risk prediction.
Promotors: Prof. P van der Brandt and Prof. A Gorgels. Co-promotors: Dr L Schouten and Dr J Boer.
Maastricht University, December 10, 2010

Rademakers L –

Resynchronization of the ischemic asynchronous heart.
Promotors: Prof. J Maessen and Prof. F Prinzen.
Maastricht University, November 19, 2010

Simons A –

To drain or not to drain; quantification of drainable intravascular venous volume during extracorporeal life support.
Promotor: Prof. J Maessen. Co-promotors: Dr K Reesink and Dr P Weerwind.
Maastricht University, June 23, 2010

Van Straten B –

Outcome following ten years coronary artery bypass surgery; risk factors for early and late mortality and morbidity.
Promotors: Prof. J Maessen, Prof. A van Zundert (Gent) and Prof. O Penn.
Maastricht University, April 8, 2010

Swinen M –

Matricellular Proteins: crucial regulators of cardiac remodeling.
Promotors: Prof. Y Pinto and Prof. P Carmeliet.
Co-promotor: Dr S Heymans.
Maastricht University, March 31, 2010

PHD THESES, EXTERNALLY PREPARED

Bruins Slot M –

Biomarkers for the diagnosis of acute coronary syndrome. Studies in primary care.
Promotors: Prof. A Hoes and Prof. J Glatz. Co-promotors: Dr F Rutten and Dr G van der Heijden.
Utrecht University, November 4, 2010

PHD THESES 2011

Bekkers SCAM -

Assessment of injury in reperfused acute myocardial infarction using cardiovascular magnetic resonance imaging.
Promotors: Prof. A Gorgels, Prof. J Waltenberger.
Maastricht University, June 1, 2011

Dennert R –

Idiopathic cardiomyopathies: the role of virus persistence and immune-mediated disease.
Promotors: Prof. S Heymans, Prof. H Crijns. Co-promotor: Prof. J Cohen Tervaert.
Maastricht University, February 25, 2011

Houben F –

Nucleo-cytoskeletal interactions in the mechanical functioning of the cell.
Promotors: Prof. F Ramaekers, Prof. L Snoeckx.
Co-promotor: Dr J Broers.
Maastricht University, December 20, 2011

Kubben N –

Lamin interA/Ctors: from the premature to senescence.
Promotor: Prof. Y Pinto. Co-promotors: Dr J Voncken, Dr T Mistelli (Bethesda, USA).
Maastricht University, January 26, 2011

Martherus SRM -

Pulsing response of the cardiac transcriptome.
Promotors: Prof. H Smeets, Prof. J Geraedts. Co-promotor: Dr T Ayoubi.
Maastricht University, September 7, 2011

Nabben M –

Uncoupling protein 3 and the protection of skeletal muscle mitochondrial function; a transgenic approach.
Promotors: Prof. L Schrauwen, Prof. J Glatz. Co-promotor: Dr J Hoeks.
Maastricht University, April 20, 2011

Pulinx B -

Protein biomarkers in chronic disease. Proteomics-driven discovery.
Promotors: Prof. M van Dieijen-Visser, Prof. G Schurink. Co-promotor: Dr W Wodzig.
Maastricht University, October 3, 2012

Steinbusch LKM –

CD 36; a target to restore cardiac function in type 2 diabetes.
Promotors: Prof. J Glatz, Prof. M. Diamant, VUA. Co-promotors: Dr J Luiken, Dr D Ouwens.
Maastricht University, October 13, 2011

Stevens KNJ –

Blood-contacting biomaterials for critical clinical applications.
Promotors: Prof. J Maessen, Prof. L Koole.
Maastricht University, December 15, 2011

Verkaar F –

Pharmacological characterization of wnt/frizzled signaling.
Promotor: Prof. J Smits. Co-promotors: Dr M Blankesteijn, Dr G Zaman.
Maastricht University, February 10, 2011

Verstraeten V –

Nuclear structure at the crossroad of premature aging and lipodystrophy.
Promotor: Prof. F Ramaekers. Co-promotors: Dr J Broers, Dr M van Steensel.
Maastricht University, March 3, 2011

PHD THESES, EXTERNALLY PREPARED

Kats S –

Alkaline phosphatase. An old enzyme newly discovered. Implications in cardiac surgery.
Promotors: Prof. W Seinen, Prof. J Maessen. Co-promotors: Dr J Schönberger, Dr W van Oeveren.
University of Utrecht, November 25, 2011

Soliman Hamad M –

Surgical revascularization in patients with left ventricular dysfunction, management and predictors of outcome.
Promotors: Prof. O Penn, Prof. O Zundert. Co-promotor: Dr A van Straten.
Catharina Hospital Eindhoven, January 21, 2011

Warringer J-

Automatische intrathorakale Impedanzmessung bei Patienten mit Herzinsuffizienz und biventrikulärer ICD-Therapie – Behandlungsalgorithmus.
Promotors: Dr G Muehlenbruch, Dr Ch Knackstedt.
RWTH Aachen, March 29, 2011

PHD THESES 2012

Bolderman R -

Epicardial amiodarone therapy for atrial fibrillation.
Promotor: Prof. JG Maessen. Co-promotor: Dr J Hermans.
Maastricht University, April 20, 2012

Corsten M -

MicroRNAs in the heart: micromanagers and sentinels of cardiac disease.
Promotor: Prof. S Heymans. Co-promotor: Dr B Schroen.
Maastricht University, September 14, 2012

Dirkx E -

Protein kinase D: At the crossroad of cardiac function and metabolism.
Promotor: Prof. J Glatz. Co-promotors: Dr J Luiken, Dr G van Eys.
Maastricht University, February 3, 2012

Eckstein J -

The three-dimensional substrate of Atrial Fibrillation in the goat.
Promotors: Prof. M Allesie, Prof. U Schotten.
Maastricht University, January 18, 2012

Gaajetaan G -

Limiting viral infections with immunomodulating agents.
Promotor: Prof. C Bruggeman. Co-promotor: Dr F Stassen.
Maastricht University, November 29, 2012

Gerards M -

Unraveling genetic defects and pathophysiological mechanisms in OXPHOS disease.
Promotor: Prof. H Smeets. Co-promotor: Dr I de Co, Erasmus MC Rotterdam.
Maastricht University, December 12, 2012

Goossens P -

A fatal attraction: Macrophage recruitment to the atherosclerotic plaque.
Promotor: Prof. J Glatz. Co-promotor: Dr M De Winther.
Maastricht University, February 15, 2012

Heijman J -

Computational analysis of β -adrenergic stimulation and its effects on cardiac ventricular electrophysiology.

Promotores: Prof. H Crijns; Prof. R Peeters. Co-promotores: Dr P Volders; Dr R Westra. Maastricht University, April 27, 2012

Huberts W -

Personalized computational modeling of vascular access creation.

Promotores: Prof. F van den Vosse, Prof. T Delhaas. Co-promotores: Dr E Bosboom, Dr J Tordoir. Maastricht University, March 1, 2012

Jacobs L -

The release of cardiac troponin: when, where and how.

Promotor: Prof. M van Dieijen-Visser. Co-promotor: Dr W Wodzig. Maastricht University, February 3, 2012

La Meir M -

Hybrid thoracoscopic epicardial and transvenous endocardial catheter ablation of atrial fibrillation.

Promotor: Prof. J Maessen. Co-promotores: Prof. F Wellens, Dr S Gelsomino. Maastricht University, November 30, 2012

Manusama R -

The value of catheter-based cryoablation for the management of cardiac arrhythmias.

Promotor: Prof. H Crijns. Co-promotor: Dr C Timmermans. Maastricht University, March 16, 2012

Mingels A -

High-sensitivity cardiac troponin assays; Laboratory and clinical aspects.

Promotor: Prof. M van Dieijen-Visser. Co-promotor: Dr W Wodzig. Maastricht University, February 3, 2012

Pisters R -

Antithrombotic management of patients with atrial fibrillation.

Promotor: Prof. H Crijns. Maastricht University, March 23, 2012

Pulinx B -

Protein biomarkers in chronic disease. Proteomics-driven discovery.

Promotores: Prof. M van Dieijen-Visser, Prof. G Schurink. Co-promotor: Dr W Wodzig. Maastricht University, October 3, 2012

Salic K -

MicroRNAs: small directors with crucial powers in heart failure.

Promotor: Prof. L de Windt. Co-promotor: Dr P da Costa Martens. Maastricht University, November 21, 2012

Van Almen G -

Pleiotropic effects of non-structural matrix proteins in the stressed heart. ECM remodeling in cardiotoxicity, aging and cardiac allograft rejection.

Promotor: Prof. S Heymans. Co-promotor: Dr B Schroen. Maastricht University, May 16, 2012

Van Geldorp I -

Improving ventricular pacing in adults and children; to treat or to avoid dyssynchrony-induced cardiac failure.

Promotores: Prof. T Delhaas, Prof. F Prinzen, Prof. J Janousek. Maastricht University, November 16, 2012

Voets A -

New pathophysiological concepts and potential therapeutic targets for oxidative phosphorylation disorders.

Promotor: Prof. H Smeets. Co-promotor: Dr I de Coo. Maastricht University, May 24, 2012

Weijs B -

Clinical implications of idiopathic atrial fibrillation.

Promotor: Prof. H Crijns. Co-promotor: Dr R Pisters. Maastricht University, September 21, 2012

Publications in scientific journals 2007

Publications in scientific journals (wi-1)

Alders DJ, Cornelussen RNM, Prinzen FW, Specht PA, Noble MI, Drake-Holland AJ, de Kanter FJ, van Beek JH -
Regional sympathetic denervation affects the relation between local canine myocardial blood flow and oxygen consumption. *Exp Physiol* 2007; 92: 541-548
IF 2.339

Alkhateeb H, Chabowski A, Glatz JF, Luiken JJFP, Bonen A -
Two phases of palmitate-induced insulin resistance in skeletal muscle: Impaired GLUT4 translocation is followed by a reduced GLUT4 intrinsic activity. *Am J Physiol-Endoc M* 2007; 293: E783-E793
IF 4.123

Antoons G, Volders PGA, Stankovicova T, Bito V, Stengl M, Vos MA, Sipido KR -
Window Ca²⁺ current and its modulation by Ca²⁺ release in hypertrophied cardiac myocytes from dogs with chronic atrioventricular block. *J Physiol-London* 2007; 579:147-160
IF 4.407

Arbouw ME, Movig KL, Neef C, Guchelaar HJ, Egberts TC -
Influence of initial use of serotonergic antidepressants on antiparkinsonian drug use in levodopa-using patients. *Eur J Clin Pharmacol* 2007; 63(2): 181-187
IF 2.029

Babiker FA, Lips DJ, Delvaux E, Zandberg P, Janssen BJA, Prinzen FW, van Eys GJJM, Grohe C, Doevendans PA -
Oestrogen modulates cardiac ischaemic remodelling through oestrogen receptor-specific mechanisms. *Acta Physiol Scand* 2007; 189: 23-31
IF 2.230

Baggish AL, van Kimmenade R, Bayes-Genis A, Davis M, Lainchbury JG, Frampton C, Pinto YM, Richards MA, Januzzi JL -
Hemoglobin and N-terminal pro-brain natriuretic peptide: Independent and synergistic predictors of mortality in patients with acute heart failure Results from the International Collaborative of NT-proBNP (ICON) Study. *Clin Chim Acta* 2007; 381(2): 145-50
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ADDENDUM I
GRANTS
SUPPORTING
RESEARCH IN
MAIN THEME III

YEAR	TITLE	TYPE	COMPANY BASE/ ORGANISATION	COUNTRY	SUPPORT (K€) from:		
					NWO/STW	foundations	contracts
2007	Study on the use of intermittent ventricular pacing for the prevention of heart failure	Contract	Cardiac Pacemakers/ Boston Scientific	USA			57
	Validation of Cathepsin C	Contract	(Organon) Schering Plough	The Netherlands			97
	Validation of S1P4/EDG6 and CMKLR1	Contract	(Organon) Schering Plough	The Netherlands			87
	Validation of targets for collateralisation	Contract	(Organon) Schering Plough	The Netherlands			60
	Rheos Pivotal Trial	Contract	CTCM	The Netherlands			406
	DEBuT-HET drug withdrawal protocol	Contract	CTCM	The Netherlands			137
	Health care innovation for painful diabetic neuropathy	Contract	CTCM	The Netherlands			149
	Consultancy Agreement	Contract	CTCM	The Netherlands			9
	Evaluate the Efficacy and Safety of Belimumab etc	Contract	CTCM	The Netherlands			203
	Shockwave treatment for advanced angina in Maastricht (SWAAM)	Contract	CTCM	The Netherlands			27
	Study of azd6140 compared with clopidogrel for prevention of vascular events in patients with non-ST or ST elevation etc	Contract	CTCM	The Netherlands			40
	Study Of The Mar-Tyn Cobalt Chromium Tin-Coated Balloon-Expandable Stent In The Treatment Of Patients With De Novo Coronary Artery Lesions	Contract	CTCM	The Netherlands			66
	The role of (auto)-immunity in pulmonary arterial hypertension	Contract	Actelion Pharmaceuticals Nederland BV	The Netherlands			180
	Finding and validation of transmembrane targets in late atherosclerotic plaques	Contract	BRACCO	Italy			662
	Validation of CCR5 receptor as target of plaques instability	Contract	BRACCO	Italy			378
	Plaque tissue biomarker discovery	Contract	BG Medicine	USA			400
	VIDI E. Lutgens ASPASIA	Grant	ZonMw	The Netherlands	100		
	VIDI E. Lutgens Revival of CD40(L) as a therapy for atherosclerosis: exploration of downstream pathways as novel therapeutic options	Grant	ZonMw	The Netherlands	405		
	Translational Regenerative Medicine (TerM)	Grant	NWO	The Netherlands	770		
	Kootstra Fellowship S. Meex	Grant	UM/FHML	The Netherlands		25	
	Kootstra Fellowship K. Wouters	Grant	UM/FHML	The Netherlands		18	
	Is N-(carboxymethyl)lysine in plasma a predictor of poor outcome in patients with diabetes?	Grant	tUL	The Netherlands		200	
	TI-Pharma Exploitation of toll-like receptors in drug discovery	Grant	TTI	The Netherlands		430	
	TI-Pharma Endothelium-derived peptides in cardiovascular diseases	Grant	TTI	The Netherlands		940	
	INTACT Regenerative medicine using autologous stem cell technologies for treatment of cardiovascular diseases	Grant	Provincie Limburg/ Ministry of Economic Affairs	The Netherlands		240	
	Cerebral microbleeds: a marker of hypertensive cerebral target-organ damage?	Grant	Novartis Foundation	The Netherlands		88	
	Chemokine receptor CXCR4: a protective factor in atherothrombosis?	Grant	NHS	The Netherlands		130	
	An intact endothelial glycocalyx is required for adequate shear stress induced arteriogenesis	Grant	NHS	The Netherlands		178	
	Marie Curie Fellowship A. Zernecke Structuring the European research area: Dendritic cells in the pathogenesis of atherosclerosis	Grant	EU	Belgium		157	
	Integrated Genomics, Clinical Research and Care in Hypertension (Ingenious Hypercare)	Grant	EU	Belgium		331	
	The role of insulin-mediated glycocalyx modulation in insulin sensivity	Grant	Diabetes Foundation Netherlands	The Netherlands		270	
	Consultancy agreement	Grant	BG Medicine	USA		8	
Total					1,275	3,015	2,958

YEAR	TITLE	TYPE	COMPANY BASE/ ORGANISATION	COUNTRY	SUPPORT (K€) from:		
					NWO/STW	foundations	contracts
2008	Diagnostic value of novel biomarkers in patients with chest pain of suspected cardiac origin	Contract	CTCM	The Netherlands			232
	The effects of RO4607381 on cardiovascular (CV) risk in stable CHD patients, with a documented recent Acute Coronary Syndrome (ACS)	Contract	CTCM	The Netherlands			180
	Mesenchymal cardiopoietic stem cells for the treatment of chronic heart failure secondary to ischemic cardiomyopathy	Contract	CTCM	The Netherlands			69
	Effect of Olmesartan Medoxomil on Arterial Stiffness and Thickness in Subjects with Metabolic Syndrome	Contract	CTCM	The Netherlands			80
	To evaluate the efficacy and safety of fragmin in the treatment of chronic neuroischaemic foot ulcers in diabetic patients	Contract	CTCM	The Netherlands			80
	Phase II/III study with atacicept given subcutaneously to subjects having recently experienced a flare of systemic lupus erythematosus (SLE)	Contract	CTCM	The Netherlands			65
	Research to therapy loyalty patients	Contract	CTCM	The Netherlands			10
	Collaboration agreement Fresenius Medical Care	Contract	CTCM	The Netherlands			150
	Clinical performance of the endeavor resolute zotarolimus-eluting stent system in a Real-World patient population	Contract	CTCM	The Netherlands			32
	Collaboration agreement	Contract	Medtronic	The Netherlands			100
	The CD40/CD40L axis in arterial neointima formationEuCAR	Grant	NWO/DFG	The Netherlands	198		
	Microarray-based molecular diagnostic method to determine site of origin of Cancers of Unknown Primary (CUP)	Grant	STW	The Netherlands	25		
	VENI K. Reesink Non-invasive model-based assessment of individual cardiovascular interaction	Grant	STW/NWO	The Netherlands	208		
	Renal mechanisms in the progression of systemic atherosclerosis; renal artery stenosis as a model	Grant	CARIM	The Netherlands		180	
	CTMM PREDICt Diabetes Glycocalyx	Grant	CTMM	The Netherlands		438	
	CTMM Circulating cells: The natural sensors of plaque and patient destabilization	Grant	CTMM	The Netherlands		336	
	CTMM PREDICt	Grant	CTMM	The Netherlands		621	
	Patient specific image-based computational modelling for improvement of short- and long-term outcome of vascular access in patient on hemodialysis therapy	Grant	EU/ARCH	Belgium		1.019	
	Marie Curie Fellowship B. Bermudez The arterial adventitia: a critical actor in atherosclerotic plaque progression and stability?	Grant	EU	Belgium		160	
	The mechanisms of cardiovascular risks after low radiation doses	Grant	EU/CARDIORISK	Belgium		292	
	Health Foundation Limburg	Grant	Health Foundation Limburg	The Netherlands		200	
	Happy project	Grant	IMG	The Netherlands		30	
	Role of the endothelial glycocalyx in renal glomerular and tubular functionToekenning	Grant	Kidney Foundation	The Netherlands		120	
	Established investigator M. De Winther Macrophage subpopulation in atherosclerosis	Grant	NHS	The Netherlands		500	
	Student travel grant	Grant	NHS	The Netherlands		3	
	Study to validate the use of alpha(v)beta(3) integrin imaging to predict scar formation and adverse remodelling after myocard infarction in patients	Grant	NHS	The Netherlands		180	
	VEFG-receptor downstream signalling ADAM10 as a novel metalloprotease involved in angiogenesis and atherosclerosis	Grant	NHS	The Netherlands		234	
	MRI molecular imaging of (inflammatory) macrophages as a predictor of abdominal aortic aneurysm progression	Grant	NHS	The Netherlands		245	
	Role of endothelial arginine metabolism in endothelial dysfunction	Grant	NHS	The Netherlands		210	

YEAR	TITLE	TYPE	COMPANY BASE/ ORGANISATION	COUNTRY	SUPPORT (K€) from:		
					NWO/STW	foundations	contracts
2008	Morphological and functional characterization of therapeutically induced neovasculature by magnetic resonance imaging	Grant	NHS	The Netherlands		104	
	Interreg IV-A Alma-In-Silico project	Grant	Provincie Limburg	The Netherlands		600	
	Parelsnoer Diabetes Maastricht	Grant	SenterNovem	The Netherlands		521	
	The role of tissue factor pathway inhibitor in the onset and progression of ischemic cerebral injuries by cerebral micro-angiopathy	Grant	Dutch Thrombosis Foundation	The Netherlands		67	
	Total				431	6,060	998
2009	Fellowship agreement: Medical training of the fellow in the field of CardioVascular and participation in the day-to-day activities of the Hart & Vaat Centrum at the Medical Institution	Contract	Medtronic	The Netherlands			100
	Renin-angiotensin system blockade beyond angiotensin II	Contract	TI Pharma	The Netherlands			917
	Study of hydrochlorothiazide in subjects with moderate to severe hypertension etc	Contract	CTCM	The Netherlands			71
	Effects of angiotensin-receptor blockade with olmesartan on carotid atherosclerosis etc	Contract	CTCM	The Netherlands			6
	Long term safety profile of the PRO-Kinetic Energy coronary stent system in daily clinical practice	Contract	CTCM	The Netherlands			15
	Pro-Kinetic Energy Reimbursement Registry	Contract	CTCM	The Netherlands			23
	From Targets to Novel Drugs	Grant	Bayer Healthcare	Germany		5	
	Inhibition of co-stimulation to induce plaque stabilization: indentifying downstream pathways and cell-type specific functions of CD40(L) in atherosclerosis	Grant	Universitätsklinikum Aachen	Germany		225	
	BMM project iVALVE	Grant	BMM	The Netherlands		639	
	BMM project PENT	Grant	BMM	The Netherlands		531	
	Circulating cells	Contract	CTMM	The Netherlands		870	
	The assessment of the Plaque AT RISK by non-invasive (molecular) imaging and modelling (PARISK)	Contract	CTMM	The Netherlands		596	
	Dynamic contrast-enhanced MRI for the quantification of neovascularisation in atherosclerotic plaque	Contract	CTMM	The Netherlands		1,115	
	PARISK WP	Contract	CTMM	The Netherlands		350	
	PARISK WP 5	Contract	CTMM	The Netherlands		162	
	Maastricht studie	Grant	EFRO	The Netherlands		8,000	
	Endothelial progenitor cells in ANCA associated vasculitis	Grant	Kidney Foundation	The Netherlands		60	
	Student travel grant	Grant	NHS	The Netherlands		3	
	Predictive value of high-resolution MRI, Annexin 5 imaging and microembolie detection for the occurrence of stroke in symptomatic patients with 50-69% carotid stenosis	Grant	NHS	The Netherlands		112	
	Magnetic resonance imaging (MRI) of microvascular blood volume recruitment capacity in the heart: indicator of coronary endothelial glycocalyx loss and associated microvascular dysfunction?	Grant	NHS	The Netherlands		210	
	Established investigator E. Lutgens	Grant	NHS	The Netherlands		500	
	Kootstra Fellowship T. Mulders	Grant	UM/FHML	The Netherlands		11	
	Kootstra Fellowship J. Sluimer	Grant	UM/FHML	The Netherlands		25	
	Total				0	1	

YEAR	TITLE	TYPE	COMPANY BASE/ ORGANISATION	COUNTRY	SUPPORT (K€) from:		
					NWO/STW	foundations	contracts
2010	The role of (auto)-immunity in pulmonary arterial hypertension	Contract	Actelion Pharmaceuticals Nederland BV	The Netherlands			45
	Novation agreement Monash University Validation of NADPH oxidases as cardiovascular targets	Contract	Servier	France			162
	The role of (auto)-immunity in pulmonary arterial hypertension	Contract	Actelion Pharmaceuticals Nederland BV	The Netherlands			15
	Esaote research agreement acting on behalf of the European Network for noninvasive investigation of large arteries	Contract	Esaote	Italy			25
	Use of duloxetine or pregabalin in monotherapy versus combination therapy of both drugs in patients with painful diabetic neuropathy	Contract	CTCM	The Netherlands			23
	Study of BI 10773 (10 mg and 25 mg administered orally once daily) compared to usual care in type 2 diabetes mellitus patients etc	Contract	CTCM	The Netherlands			15
	Liraglutide effect and action in Diabetes: evaluation of cardiovascular etc	Contract	CTCM	The Netherlands			36
	Study of BI 10773 (10 mg and 25 mg administered once daily) as add on to pre-existing antidiabetic therapy etc	Contract	CTCM	The Netherlands			12
	XR-1 BAT (Baroreflex activation) verification study	Contract	CTCM	The Netherlands			121
	Evaluation of the Vascutek Ltd. Thoracic Endovascular Stent Graft System Thoracic Aorta	Contract	CTCM	The Netherlands			14
	Study of the efficacy and safety of K1ACTA in preventing renal function decline in patients with AA Amyloidosis	Contract	CTCM	The Netherlands			37
	Rules Parel CVA	Contract	CTCM	The Netherlands			39
	Cardiovascular outcomes study to evaluate the potential of aleglitazar to reduce etc.	Contract	CTCM	The Netherlands			85
	Regulation of foam cell formation	Grant	ZonMw via VU	The Netherlands	169		
	VICI C. Weber Structure-function analysis of platelet chemokine interactions in atherosclerosis	Grant	ZonMw	The Netherlands	1.250		
	VENI 2010 Hypoxia in atherosclerotic plaque macrophages: choking off clearance of dead cells?	Grant	ZonMw	The Netherlands	250		
	CTMM EMINENCE	Contract	CTMM EMINENCE	The Netherlands		2.174	
	Maastricht studie	Grant	EFRO/ Maastricht studie	The Netherlands		8.000	
	Student travel grant	Grant	NHS	The Netherlands		3	
	Parel Kidney Failure	Grant	Parelsnoer Initiatief	The Netherlands		174	
	Marie Curie Reintegration grant Free Radical Pharmacology: Generators, Targets and Therapeutic Implications	Grant	EU/FP7	Belgium		100	
	CVA Parelsnoer	Grant	SENER/NOVEM	The Netherlands		276	
	The classical, the lectin and the alternative pathways of complement activation and risk of cardiovascular disease	Grant	NHS	The Netherlands		248	
	The effects of vitamine K2 supplementation on the progression of Coronary Artery Calcification	Grant	NHS	The Netherlands		241	
	The role of type I interferons in atherosclerosis development and plaque stability	Grant	NHS	The Netherlands		250	
	Collaboration Royal Embassy of Saudi Arabia	Grant	Royal Embassy of Saudi Arabia	Saudi Arabia		54	
	Graduation Fund	Grant	Academic Hospital Maastricht	The Netherlands		172	
	Graduation Fund	Grant	Academic Hospital Maastricht	The Netherlands		85	
	Total				1,669	11,777	627

YEAR	TITLE	TYPE	COMPANY BASE/ ORGANISATION	COUNTRY	SUPPORT (K€) from:		
					NWO/STW	foundations	contracts
2011	The new hamburger, andthe new steak The production of the first lab grown hamburger	Contract	Brin Wojciki Foundation	USA			1,100
	Tolerability of the TAK-491 and Chlorthalidone Fixed-Dose Combination Versus Olmesartan Medoxomil and Hydrochlorothiazide Fixed-Dose Combination in Hypertensive etc	Contract	CTCM	The Netherlands			60
	Randomized Heart Failure Trial	Contract	CTCM	The Netherlands			159
	The Randomized Phase	Contract	CTCM	The Netherlands			172
	TAK-491 plus Chlorthalidone (40/12,5 mg and 40/25 mg) in subjects with grades 2 or 3 essential hypertension etc	Contract	CTCM	The Netherlands			51
	Treatment with Trafermin 0.01% Spray in patients with diabetic foot ulcer of neuropathic origin	Contract	CTCM	The Netherlands			32
	A Study Comparing the Analgesic Efficacy and Safety of ABT-639 to Placebo in Subjects with Diabetic Neuropathic Pain	Contract	CTCM	The Netherlands			2
	Evaluate Efficacy and Safety of Treatment with CNTO 136 Administered Intravenously in Subjects with Active Lupus Nephritis.	Contract	CTCM	The Netherlands			23
	CCX168 in Subjects with Anti-Neutrophil Cyto- plasmic Antibody (ANCA)-Associated Renal Vasculitis on Background Cyclophosphamide Treatment	Contract	CTCM	The Netherlands			4
	Trial of Gusperimus versus Conventional Therapy in Relapse of Granulomatosis with Polyangiitis (Wegener's Granulomatosis)	Contract	CTCM	The Netherlands			3
	Consulting services regarding Informatics Products	Contract	CTCM	The Netherlands			7
	Conduction of Fellowships Programmes	Contract	CTCM	The Netherlands			2
	Insulin rsistance, beta-cell dysfunction and cognitive impairment (samenwerking Maastricht Studie en UMC Utrecht)	Grant	ZonMw	The Netherlands	95		
	VENI Kristiaan Wouters The obesity-induced macro- phage: a new player in atherosclerosis development	Grant	ZonMw	The Netherlands	250		
	Arteriograph equipment for measurements in the context of TIP. Metalloproteases and novel targets in endothelial dysfunction	Grant	Abbott products GmbH	Germany		63	
	Cardiovascular Health: Relevance of cardiovascular function markers	Grant	TIFN	The Netherlands		890	
	Collaboration agreement	Grant	aCGB	The Netherlands		240	
	Collaboration agreement	Grant	TIFN	The Netherlands		440	
	CTMM EMINENCE	Grant	CTMM	The Netherlands		21	
	Early determinants of atherosclerosis and arterial stiffness: a life-course analysis	Grant	NHS	The Netherlands		138	
	Effect modification of thrombolysis for acute ischemic stroke by hemostatic activation	Grant	NHS	The Netherlands		200	
	ERC - Advanced Grant Radical Medicine: Redefining Oxidative Stress	Grant	EU / RadMed	Belgium		2.298	
	Interreg IV Maas Rijn	Grant	EU	Belgium		506	
	Methylglyoxal: a propogating factor contributing to accelerated atherosclerosis in diabetes EFSD	Grant	EFSD/Sanofi	Germany		100	
	Pieken in de Delta	Grant	Academic Hospital Maastricht	The Netherlands		230	
	Student travel grant	Grant	NHS	The Netherlands		2	
	TIFN	Grant	TIFN	The Netherlands		450	
	UPMI: Ultrasound perfluorohexane-loaded monocyte imaging. A non-invasive technique for comprehensive detection of liver inflammation	Grant	MLDS	The Netherlands		60	
	Total				345	5,638	1,616

YEAR	TITLE	TYPE	COMPANY BASE/ ORGANISATION	COUNTRY	SUPPORT (K€) from:		
					NWO/STW	foundations	contracts
2012	Collaboration agreement	Contract	Abbott Laboratories	USA			253
	Collaborative research agreement	Contract	Boehringer Ingelheim	Germany			144
	Liraglutide with or without NEAT in type 2 diabetes mellitus. Effects on HbA1c, weight, blood pressure, quality of life and health care costs	Contract	CTCM	The Netherlands			225
	Reducing with MetfOrmin Vascular Adverse Lesions in type I diabetes study	Contract	CTCM	The Netherlands			175
	Research agreement	Contract	CTCM	The Netherlands			13
	Research agreement	Contract	Glucoc Biotech AB	Sweden			4
	Collaboration agreement	Contract	CTCM	The Netherlands			300
	Master agreement	Contract	CTCM	The Netherlands			300
	Mozaiek grant C.E. Zhang Blood-brain barrier permeability in cerebral small vessel disease: a dynamic contrast-enhanced MRI study	Grant	NWO	The Netherlands	200		
	Complementation of the CODAM cohort with GWAS data	Grant	NWO - BBMRI-NL	The Netherlands	100		
	Impaired neurogenic inflammation in diabetic polyneuropathy	Grant	Diabetes Research Foundation	The Netherlands		50	
	MacObesity Marie Curie Grant K. Wouters The obesity-induced macrophage: a new player in atherosclerosis development	Grant	EU/PEOPLE	Belgium		100	
	Support for training and career development of researchers (Marie Curie Micro-and Macrocirculation Coupling: a cross sectional investigation of the cross-talk between the two circuits in insulin resistance states	Grant	EU/MMC	Belgium		217	
	Fellowship K. Radermacher Inhibition of NADPH oxidases as a new mechanistic approach to promote recovery in stroke: Validation by non-invasive brain redox imaging	Grant	Brain Foundation	The Netherlands		150	
	Defining the roles of NOX1 and NOX4 in diabetes-induced renal diseases - preventive and therapeutic implications	Grant	Kidney Foundation	The Netherlands		99	
	Student travel grant	Grant	NHS	The Netherlands		3	
	ADAM10 and ADAM 17: Complementary sheddases with gate keeper and immune-modulatory functions regulating atherosclerotic plaque progression and stability	Grant	NHS	The Netherlands		382	
	The role of disturbed Microcirculation in the relationship with the onset of diabetes and associated disorders	Grant	Foundation Sint Annadal	The Netherlands		200	
	Kootstra Fellowship K. Gabriels	Grant	UM/FHML	The Netherlands		28	
	Total				300	1,229	1,414

C_ ADDENDUM II OUTPUT OF MAIN THEME III IN 2007-2012

- 1. LIST OF PHD THESES 2007 – 2012**
- 2. LIST OF PUBLICATIONS 2007 – 2012**

PHD THESES 2007

Baumann M –

Transient prehypertensive treatment: an additive option against hypertension.
Promotors: Prof. H Struijker Boudier, Prof. J Smits.
Maastricht University, October 31, 2007

Beeks E –

Functional correlates of the alpha adducin polymorphism.
Promotor: Prof. P de Leeuw. Co-promotors: Dr A Kroon, Dr M van der Klauw.
Maastricht University, July 6, 2007

Cappendijk V –

MRI of atherosclerosis. Identification and quantification of carotid plaque components.
Promotors: Prof. J van Engelshoven, Prof. M Daemen. Co-promotors: Dr E Kooi, Dr S Heeneman.
Maastricht University, March 23, 2007

Van Cleef K –

Molecular biology of rat cytomegalovirus: genome-wide transcriptional program and molecular mimicry.
Promotor: Prof. C Bruggeman. Co-promotor: Dr C Vink.
Maastricht University, March 2, 2007

Ezzahiri R –

Infection and inflammation in progression of atherosclerosis: the role of Chlamydia pneumonia infection in different mouse models.
Promotors: Prof. P Kitslaar, Prof. C Bruggeman. Co-promotors: Dr H Kurvers, Dr F Stassen.
Maastricht University, November 23, 2007

Hermans M –

Arterial wall abnormalities in chronic kidney disease.
Promotors: Prof. K Leunissen, Prof. C Stehouwer. Co-promotor: Dr J Kooman.
Maastricht University, November 16, 2007

Huigen D –

Myeloperoxidase and anti-myeloperoxidase autoantibodies in renal inflammation.
Promotor: Prof. J Cohen Tervaert. Co-promotor: Dr P Heeringa.
Maastricht University, October 5, 2007

Lutgens S –

Functional genomics in atherosclerosis: focus on cathepsin K.
Promotor: Prof. M Daemen. Co-promotors: Dr K Cleutjens, Dr S Heeneman.
Maastricht University, October 19, 2007

Van Neer P –

The role of incompetent perforating veins in varicose veins.
Promotor: Prof. H Neumann. Co-promotor: Dr J Veraart.
Maastricht University, May 4, 2007

Nijenhuis R –

Non-invasive imaging of spinal cord blood supply.
Promotors: Prof. J van Engelshoven, Prof. M Jacobs. Co-promotor: Dr W Backes.
Maastricht University, June 22, 2007

Van Onna M –

Diagnostic and therapeutic strategies in renal artery stenosis.
Promotor: Prof. P de Leeuw. Co-promotors: Dr A Kroon, Dr A Houben.
Maastricht University, November 30, 2007

Planken N –

Hemodialysis vascular access imaging.
Promotors: Prof. P Kitslaar, Prof. J van Engelshoven. Co-promotors: Dr J Tordoir, Dr T Leiner. Maastricht University, June 1, 2007

Schapira K –

Atherosclerotic plaque stability: identification and validation of key regulators.
Promotor: Prof. M Daemen. Co-promotor: Dr S Heeneman.
Maastricht University, September 6, 2007

Slot M –

ANCA-Associated vasculitis: Factors involved in disease. Induction, survival and long-term complications.
Promotor: Prof. J Cohen Tervaert. Co-promotors: Dr J Damoiseaux, Dr C Stegeman.
Maastricht University, March 9, 2007

Smook M –

Adaptive immunity in atherosclerosis: an in vivo evaluation.
Promotors: Prof. J Cohen Tervaert, Prof. M Daemen. Co-promotors: Dr P Heeringa, Dr E Lutgens.
Maastricht University, June 29, 2007

Tintu A –

Fetal hypoxia. A novel risk factor for cardiovascular disease.
Promotors: Prof. M Jacobs, Prof. F le Noble. Co-promotors: Dr W Lamers, Dr E Rouwet.
Maastricht University, September 13, 2007

PHD THESES, EXTERNALLY PREPARED

De Jongh R –

Microvascular dysfunction: metabolic and cardiovascular causes and consequences.
Promotor: Prof. C Stehouwer. Co-promotors: Dr E Serné, Dr R IJzerman.
Free University Amsterdam, November 9, 2007

Thewissen M –

The role of immunosenescence and CD4+ CD28null T cells in autoimmune disease.
Promotor: Prof. P Stinissen.
University Diepenbeek, May 31, 2007

PHD THESES 2008

Brouwers M –

Hepatic steatosis in familial combined hyperlipidemia.
Promotors: Prof. T de Bruin, Prof. C Stehouwer. Co-promotors: Dr M van Greevenbroek, Dr C van der Kallen.
Maastricht University, March 7, 2008

Driesen R –

Adaptive remodeling of cardiomyocytes under stress.
Promotors: Prof. F Ramaekers, Prof. M Borgers. Co-promotor: Dr F Verheyen.
Maastricht University, March 20, 2008

Gamboa Vilela D –

Analysis of gene expression in the Leishmania Life Cycle: Leishmania (Viannia) braziliensis and Leishmania (Viannia) peruviana model.
Promotor: Prof. C Bruggeman. Co-promotors: Dr J Dujardin, Dr G van Eys.
Maastricht University, September 4, 2008

Henskens L –

High blood pressure and target-organ damage of the brain.
Promotors: Prof. P de Leeuw, Prof. J Lodder. Co-promotors: Dr A Kroon, Dr R van Oostenbrugge.
Maastricht University, November 27, 2008

Keuter X –

Vascular access for haemodialysis. A comparative study of brachial – basilic and prosthetic graft arteriovenous fistulas.
Promotors: Prof. P Kitslaar, Prof. A Hoeks. Co-promotor: Dr J Tordoir, Dr F van der Sande.
Maastricht University, June 27, 2008

Kisters N –

Heterogeneity in human Atherosclerotic gene expression profiles: from man to macrophages.
Promotor: Prof. M Daemen. Co-promotor: Dr K Cleutjens.
Maastricht University, December 5, 2008

Meex S –

Novel insights in the pathophysiology of insulin resistance – a molecular genetic approach.
Promotors: Prof. T de Bruin, Prof. C Stehouwer. Co-promotors: Dr M van Greevenbroek, Dr CJH van der Kallen.
Maastricht University, March 7, 2008

Megens R –

Vital imaging of large arteries using Two-Photon laser scanning microscopy: Focus on the arterial wall.
Promotors: Prof. D Slaaf. Co-promotors: Dr M van Zandvoort, Dr M Oude Egbrink.
Maastricht University, March 14, 2008

Niessen P –

Smoothelins and smooth muscle contractility.
Promotor: Prof. M Hofker. Co-promotor: Dr G van Eys.
Maastricht University, April 11, 2008

Prompers L –

Diabetic Foot Disease in European Perspective.
Promotor: Prof. N Schaper. Co-promotor: Dr M Huijberts.
Maastricht University, May 29, 2008

Sluimer J –

Hypoxia, HIF and angiogenesis in atherosclerosis.
Promotor: Prof. M Daemen. Co-promotor: Dr A Bijnens.
Maastricht University, May 14, 2008

Wouters K –

Non-Alcoholic Steatohepatitis: Second Hit or Strike Out?
Promotor: Prof. M Hofker. Co-promotor: Dr M van Bilsen van, Dr R Shiri-Sverdlov.
Maastricht University, December 3, 2008

PHD THESES, EXTERNALLY PREPARED

Czepluch F –

Der Effekt einer Cholesterinsenkung mithilfe von Statinen auf die Verbesserung der Monozytenfunktion. Die VERACAD-STAT-Studie.
Promotor: Prof. J Waltenberger.
Ulm, February 14, 2008, summa cum laude

Halm V van der –

Cardiovascular risk and inflammation: focussing on rheumatoid arthritis and ankylosing spondylitis.
Promotors: Prof. B Dijkmans, Prof. C Stehouwer. Co-promotors: Dr M Nurmohamed, Dr A Voskuyl.
Free University Amsterdam, September 18, 2008

Nanayakkara P -

Pathogenesis and prevention of cardiovascular disease in patients with chronic kidney disease.
Promotors: Prof. P ter Wee, Prof. C Stehouwer. Co-promotors: Dr C van Guldener, Prof Dr Y Smulders.
Free University Amsterdam, November 21, 2008

PHD THESES 2009**Beuk R -**

Experimental ischemia and reperfusion of the small bowel: focus on microvascular events.
Promotors: Prof. G Tangelder G, Prof. E Heineman. Co-promotor: Dr M Oude Egbrink.
Maastricht University, June 12, 2009

Biggelaar van den F -

New approaches to improve the evaluation of mammograms.
Promotor: Prof. J van Engelshoven. Co-promotor: Dr K Flobbe.
Maastricht University, November 6, 2009

Borne van den S -

Myocardial infarct healing: Rupture and remodeling.
Promotors: Prof. J Smits, Prof. M Daemen. Co-promotor: Dr M Blankesteijn.
Maastricht University, April 17, 2009

Chi Yuen Simon Cheung -

Use of tacrolimus in Chinese renal transplant recipients
Promotor: Prof. J van Hooff. Co-promotors: Dr M Christiaans, Mr C Li.
Maastricht University, December 10, 2009

Dielis A -

The hypercoagulable state in patients. Determining (hyper)coagulability and the role of thrombin generation.
Promotors: Prof. P de Leeuw, Prof. H ten Cate. Co-promotors: Dr K Hamulyák, Dr H Spronk.
Maastricht University, June 3, 2009

Douma K -

Two-photon microscopic imaging of neo-vasculature in atherosclerotic plaques and tumors.
Promotors: Prof. D Slaaf, Prof. M Post, Prof. M van Zandvoort (RWTH, Aachen).
Maastricht University, November 11, 2009

Hermeling E -

Local pulse wave velocity determination: the arterial distension waveform from foot to crest.
Promotors: Prof. A Hoeks, Prof. R Reneman. Co-promotor: Dr K Reesink.
Maastricht University, June 10, 2009

Kloppenburg G -

Role of infections on intimal hyperplasia.
Promotor: Prof. C Bruggeman. Co-promotor: Dr F Stassen.
Maastricht University, April 24, 2009

Lobbes M -

Non-invasive assessment of cardiovascular disease.
Promotors: Prof. J van Engelshoven, Prof. M Daemen. Co-promotors: Dr E Kooi, Dr S Heeneman.
Maastricht University, September 23, 2009

Plat A -

Genetics and cardiovascular risk in a primary care population. Studies from the Hippocrates project.
Promotor: Prof. P de Leeuw. Co-promotor: Dr A Kroon.
Maastricht University, May 29, 2009

Prinzen L -

Bi-modal imaging of molecular targets associated with plaque vulnerability.
Promotors: Prof. D Slaaf, Prof. M van Zandvoort (RWTH, Aachen), Prof. C Reutelingsperger.
Maastricht University, September 17, 2009

Rossi A -

Common carotid artery morphology and dynamics estimated with automatic ultrasound segmentation.
Promotor: Prof. A Hoeks. Co-promotor: Dr P Brands.
Maastricht University, November 5, 2009

Speelman L -

Biomechanical analysis for abdominal aortic aneurysm risk stratification.
Promotors: Prof. M Jacobs, Prof. F van de Vosse (TU/e, Eindhoven). Co-promotors: Dr E Bosboom, Dr G Schurink.
Maastricht University, December 10, 2009

Staals J -

The role of haptoglobin phenotype and 24-hour blood pressure characteristics in cerebral small vessel disease.
Promotor: Prof. J Lodder. Co-promotor: Dr R van Oostenbrugge.
Maastricht University, December 4, 2009

Tchaikovski V -

VEGFR-1 function and dysfunction in monocytes.
Promotor: Prof. J Waltenberger.
Maastricht University, December 16, 2009

PHD THESES 2010**Bai L -**

Immunosuppressive and anti-proteolytic therapy in vascular diseases.
Promotors: Prof. M Daemen and Prof. E Biessen. Co-promotor: Dr S Heeneman.
Maastricht University, March 10, 2010

Brands J -

Agonist-induced modulation of glycocalyx barrier properties in the microcirculation.
Promotors: Prof. H Vink and Prof. J Spaan (University of Amsterdam). Co-promotor: Dr J van Teefelen.
Maastricht University, October 29, 2010

Gerretsen S -

MR Imaging of coronary atherosclerosis.
Promotor: Prof. J Engelshoven. Co-promotors: Dr T Leiner and Dr E Kooi.
Maastricht University, December 10, 2010

Van Hoek F -

Hemodialysis Access-Induced Distal Ischemia (HAIDI); diagnosis and surgical management
Promotor: Prof. P Kitslaar. Co-promotors: Dr M Scheltinga and Dr J Tordoir.
Maastricht University, May 28, 2010

De Jager J -

The effects of metformin on metabolism and Cardiovascular disease in type 2 diabetes.
Promotor: Prof. C Stehouwer. Co-promotor: Dr A Kooy.
Maastricht University, May 27, 2010

Kornmann L -

Molecular imaging of large arteries by ultrasound - Potentials and pitfalls.
Promotors: Prof. A Hoeks and Prof. R Reneman. Co-promotor: Dr K Reesink.
Maastricht University, September 8, 2010

Kwee R - CUM LAUDE

Imaging of carotid atherosclerosis.
Promotors: Prof. J Wildberger and Prof. W Mess. Co-promotors: Dr E Kooi and Dr R van Oostenbrugge.
Maastricht University, December 13, 2010

Van Leeuwen M -

OxLDL-specific antibodies and neutrophils; their relevance in mouse atherosclerosis.
Promotors: Prof. J Cohen Tervaert and Prof. P Heeringa (University of Groningen). Co-promotors: Dr A Duijvestijn and Dr M de Winther.
Maastricht University, October 29, 2010

Lievens D -

Cell-type specific CD40-CD40L interactions atherosclerosis.
Promotors: Prof. M Daemen and Prof. E Biessen. Co-promotor: Dr E Lutgens.
Maastricht University, January 28, 2010

Lumens J -

Patient-Specific Cardiovascular Modeling in Pulmonary Hypertension. Assessment of Hemodynamic and Mechanical Ventricular Interaction.
Promotors: Prof. T Arts and Prof. T Delhaas.
Maastricht University, July 2, 2010

Miserus R-J -

Molecular imaging of atherosclerosis and thrombus formation.
Promotors: Prof. M Daemen and Prof. J van Engelshoven. Co-promotors: Dr E Kooi and Dr S Heeneman.
Maastricht University, January 22, 2010

Oostendorp M - CUM LAUDE

Quantitative contrast-enhanced MRI of the microvasculature.
Promotor: Prof. M Post. Co-promotor: Dr W Backes.
Maastricht University, January 15, 2010

Scheffers I -

Carotid baroreflex activation; a novel method to treat resistant hypertension.
Promotor: Prof. P de Leeuw. Co-promotors: Dr A Kroon and Dr J Tordoir.
Maastricht University, March 12, 2010

Simons A -

To drain or not to drain; quantification of drainable intravascular venous volume during extracorporeal life support.
Promotor: Prof. J Maessen. Co-promotors: Dr K Reesink and Dr P Weerwind.
Maastricht University, June 23, 2010

Wijnen E -

Online flow measurement in hemodialysis vascular access.
Promotor: Prof. K Leunissen. Co-promotors: Dr F van der Sande and Dr J Tordoir.
Maastricht University, June 3, 2010

PHD THESES, EXTERNALLY PREPARED**Arbouw M -**

Assessment of drug therapy in Parkinson's disease.
Promotors: Prof. A Egberts (Enschede), Prof. H Guchelaar and Prof. C Neef. Co-promotor: Dr K Movig.
Utrecht University, June 29, 2010

Bakker W –

Vascular Insulin Resistance Through Fat. Intracellular Signaling, Genetic Interferences and Hemodynamics.
Promotores: Prof. V van Hinsbergh and Prof. C Stehouwer. Co-promotores: Dr P Sipkema and Dr E Eringa.
Free University Amsterdam, May 20, 2010

Ketel I –

Vascular function and insulin sensitivity in lean obese women with PCOS.
Promotores: Prof. C Lambalk and Prof. C Stehouwer. Co-promotores: Dr E Serné and Dr P Homburg.
Free University Amsterdam, November 17, 2010

Leguy C –

On the clinical estimation of the hemodynamical and mechanical properties of the arterial tree.
Promotores: Prof. F van den Vosse and Prof. A Hoeks. Co-promotor: Dr E Bosboom.
Eindhoven University of Technology, October 4, 2010

Lopata R –

2D And 3D ultrasound strain imaging. Methods and in vivo applications.
Promotores: Prof. J Thijssen and Prof. R de Groot. Co-promotores: Dr C de Korte and Dr L Kapusta.
Radboud University Nijmegen, December 3, 2010

Van Vliet Y –

Revealing the genetic roots of obesity and type 2 diabetes.
Promotores: Prof. M Hofker and Prof. C Wijmenga.
University of Groningen, July 7, 2010

PHD THESES 2011**Bekkers SCAM -**

Assessment of injury in reperfused acute myocardial infarction using cardiovascular magnetic resonance imaging.
Promotores: Prof. A Gorgels, Prof. J Waltenberger.
Maastricht University, June 1, 2011

Brouwers O -

Intracellular glycation and endothelial dysfunction; role of methylglyoxal.
Promotores: Prof. C Stehouwer, Prof. J De Mey. Co-promotor: Dr C Schalkwijk.
Maastricht University, May 18, 2011

Caolo V -

VEGF and NOTCH in blood vessels, an intricate and fascinating interplay.
Promotor: Prof. M Post. Co-promotor: Dr D Molin.
Maastricht University, May 11, 2011

Dennert R –

Idiopathic cardiomyopathies: the role of virus persistence and immune-mediated disease.
Promotores: Prof. S Heymans, Prof. H Crijns. Co-promotor: Prof. J Cohen Tervaert.
Maastricht University, February 25, 2011

Gaens K –

The Nε-(Carboxymethyl)lysine-RAGE axis; Implications for the pathogenesis of obesity-related complications.
Promotor: Prof. C Stehouwer. Co-promotor: Dr C

Schalkwijk.

Maastricht University, April 1, 2011

Groeneweg HM -

Macrophages and modified lipoproteins: modulation of inflammation?
Promotor: Prof. M Hofker. Co-promotor: Dr M de Winther.
Maastricht University, May 20, 2011

Hanssen SJP -

Hemolysis, microcirculatory changes and organ injury induced by cardiovascular surgery
Promotores: Prof. M Jacobs, Prof. W Buurman.
Maastricht University, September 30, 2011

Jacobs M -

The metabolic syndrome and cardiovascular disease: The CODAM study.
Promotor: Prof. C Stehouwer. Co-promotores: Dr M van Greevenbroek, Dr C van der Kallen.
Maastricht University, September 29, 2011

Jaspers K -

MRI of the therapeutic neovascularization: morphology & function.
Promotor: Prof. M Post. Co-promotores: Dr W Backes, Dr T Leiner.
Maastricht University, September 9, 2011

Jonk AM –

Microvascular actions of insulin: studies on the interaction with angiotensin II and on the postprandial state.
Promotores: Prof. C Stehouwer, Prof. P de Leeuw. Co-promotor: Dr A Houben.
Maastricht University, December 15, 2011

Loon van MM –

Cannulation practise and complications in hemodialysis vascular access.
Promotor: Prof. P Kitslaar. Co-promotores: Dr J Tordoir, Dr F van der Sande.
Maastricht University, May 26, 2011

Meens MJPMT –

Interactions between ET-1 and CGRP in resistance arteries.
Promotor: Prof. J De Mey.
Maastricht University, October 19, 2011

Moret K –

The role of technological advances in sodium prescription and adequacy assessment during hemodialysis.
Promotor: Prof. K Leunissen. Co-promotor: Dr J Koorman.
Maastricht University, January 21, 2011

Rennenberg R -

Vascular calcifications and matrix Gla protein in hypertensive subjects.
Promotor: Prof. P de Leeuw. Co-promotores: Dr A Kroon, Dr L Schurgers.
Maastricht University, July 6, 2011

Stevens KNJ –

Blood-contacting biomaterials for critical clinical applications.
Promotores: Prof. J Maessen, Prof. L Koole.
Maastricht University, December 15, 2011

Verjans JWH –

Molecular imaging of acute and healing myocardial infarction.
Promotor: Prof. L Hofstra.
Maastricht University, December 14, 2011

PHD THESES, EXTERNALLY PREPARED**Sarabi A –**

Structural and functional characterization of the interactions of platelet-derived chemokines CCL5, CXCL4 and CXCL4L1.
Promotores: Prof. C Weber, Prof. R Fischer. Co-promotor: Dr R Koenen.
RWTH Aachen, January 31, 2011

PHD THESES 2012**Bode A -**

Tailoring Hemodialysis Vascular Acces. Preoperative imaging techniques and computational modeling.
Promotor: Prof. P Kitslaar. Co-promotores: Dr J Tordoir, Dr T Leiner.
Maastricht University, June 1, 2012

Cnossen T -

New Developments in Peritoneal Dialysis.
Promotor: Prof. K Leunissen. Co-promotores: Dr J Koorman, Dr C Konings.
Maastricht University, March 29, 2012

Croes S -

Staphylococcus aureus biofilm.
Promotores: Prof. C Bruggeman; Prof Dr C Neef. Co-promotor: Dr E Stobberingh.
Maastricht University, April 27, 2012

Daissormont I -

Peri- and extravascular inflammation: impact on Atherosclerosis.
Promotor: Prof. E Biessen.
Maastricht University, April 13, 2012

Engel D -

Caveolin-1 and CD40L-CD40-TRAF interactions in vascular and metabolic disease.
Promotores: Prof. E Lutgens, Prof. E Biessen.
Maastricht University, October 12, 2012

Engelen L -

The glycation pathway in type 2 diabetes and cardiovascular disease.
Promotores: Prof. C Stehouwer, Prof. C Schalkwijk. Co-promotor: Dr I Ferreira.
Maastricht University, October 12, 2012

Hazewindus M -

Tomatoes as functional food.
Promotores: Prof. A Bast, Prof. G Haenen.
Maastricht University, December 6, 2012

Hellenthal F -

Prediction of Abdominal Aortic Aneurysm progression.
Promotor: Prof. G Schurink. Co-promotores: Dr W Wodzig; Dr S Heeneman.
Maastricht University, November 28, 2012

Hermesen I -

Adrenocortical carcinoma.
Promotores: Prof. C Stehouwer, Prof. J Romijn (University of Amsterdam). Co-promotor: Dr H Haak, MMC Eindhoven.
Maastricht University, December 13, 2012

Huberts W -

Personalized computational modeling of vascular access creation.
Promotores: Prof. F van den Vosse, Prof. T Delhaas. Co-promotores: Dr E Bosboom, Dr J Tordoir
Maastricht University, March 1, 2012

Knottnerus I -

Vascular endothelial function and genetic epidemiology in lacunar stroke subtypes.
Promotores: Prof. R van Oostenbrugge, Prof. H ten Cate, Prof. J Lodder.
Maastricht University, March 2, 2012

Nin J -

Advanced glycation and type 1 diabetes.
Promotores: Prof. C Stehouwer, Prof. C Schalkwijk.
Co-promotor: Dr I Ferreira.
Maastricht University, June 7, 2012

Pijpers E -

Morbidity and mortality risk of aging diabetic and psychogeriatric patients.
Promotores: Prof. A Nieuwenhuijzen Kruseman, Prof. A Stehouwer. Co-promotor: Dr I Ferreira.
Maastricht University, May 25, 2012

Pulinx B -

Protein biomarkers in chronic disease. Proteomics-driven discovery.
Promotores: Prof. M van Dieijen-Visser, Prof. G Schurink. Co-promotor: Dr W Wodzig.
Maastricht University, October 3, 2012

Reitsma S -

The endothelial glycocalyx in early atherogenesis. Role in platelet adhesion?
Promotores: Prof. D Slaaf, Prof. M van Zandvoort, Prof. M oude Egbrink.
Maastricht University, June 7, 2012

Rooijens P -

Primary vascular access for hemodialysis treatment.
Promotor: Prof. P Kitslaar. Co-promotores: Dr J Tordoir; Dr T Yo (Rotterdam).
Maastricht University, September 13, 2012

Rouhl R -

Cerebral Small Vessel Disease: Endothelial Progenitor Cells and Markers of Vascular Inflammation.
Promotores: Prof. J Lodder, Prof. J Cohen Tervaert, Prof. R van Oostenbrugge.
Maastricht University, March 2, 2012

Ruiter M -

Reactivity, recruitment and remodeling of collateral arteries in diabetes.
Promotores: Prof. N Schaper, Prof. C Stehouwer. Co-promotores: Dr M Huijberts; Dr J van Golde.
Maastricht University, September 6, 2012

Sigala F -

The role of neovascularization and oxidative stress in human carotid atherosclerotic lesions.
Promotor: Prof. M Jacobs. Co-promotores: Dr V Gorgoulis, Dr A Kotsinas (Athens, Greece).
Maastricht University, December 10, 2012

Van Onzenoort H -

Treatment adherence in hypertension. Methodological aspects and new strategies.
Promotores: Prof. P de Leeuw, Prof. C Neef. Co-promotores: Dr P van der Kuy, Dr W Verberk.
Maastricht University, June 27, 2012

Vermeulen Windsant I -

Connecting hemolysis and visceral injury during cardiovascular surgery; studies on the causes, effects, and treatment of hemolysis-induced organ injury.
Promotores: Prof. W Buurman, Prof. M Jacobs.
Maastricht University, September 28, 2012

Zhu F -

Application of Bioimpedance to study body composition in dialysis patients.
Promotores: Prof. K Leunissen, Prof. N Levin, Prof. P Kotanko (Renal Research Institute, New York).
Maastricht University, December 13, 2012

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