School for Cardiovascular Diseases

CARIM
School for
Cardiovascular Diseases

Self Evaluation 2013 - 2018 Annexes

Maastricht UMC+

Maastricht University

Overview

Abbreviations

BMC	Biomedical Center
BMM	Biomedical Materials
BMS	Master Biomedical Sciences
CARIM	Cardiovascular Research Institute Maastricht
CTCM	Clinical Trial Centre Maastricht
CTMM	Center of Translational Molecular Medicine
CVON	Cardiovascular Research in the Netherlands
DAS-CAM	Diploma of Advanced Studies in Cardiac Arrhythmia Management
DCVA	Dutch CardioVascular Alliance
EC	European Commission
EHA-ISTH	European Hematology Association-International Society on Thrombosis and Haemostasis
EHRA	European Heart Rhythm Association
EPC	Education Programme Committee
ERC	External Review Committee
ERC	European Research Council
FHML	Faculty of Health, Medicine & Life Sciences
FSE	Faculty of Science and Engineering
fte	fulltime equivalent
HS-BAFTA	Harry Struijker-Boudier award for talented academics
HVC	Heart+Vascular Center
ITN	Innovative Training Network
M4I	Maastricht MultiModal Molecular Imaging Institute
Maastricht UMC+	Maastricht University Medical Centre+
MaCSBio	Maastricht Centre for Systems Biology
MERLN	The Institute for Technology-Inspired Regenerative Medicine
MHeNs	School for Mental Health and Neurosciences
NHF	Dutch Heart Foundation
NWO	Netherlands Organisation for Scientific Research
PI	Principal Investigator
QSR	Quality System Research
SME	Small and medium sized enterprises
UM	Maastricht University

Infrastructure

1. NMR spectroscopy facility for structural and biomarker research
2. Biophysical protein-protein interaction lab: SPR; ITC; DSC; Fluorescence
3. Computational unit for protein homology modeling simulation and structural drug design
4. Translational cardiovascular chemistry lab for design and synthesis of proteins and targeted molecular imaging agents
5. ISO 9001 certified thrombin generation analysis lab
6. Intravital fast scanning confocal microscopy unit
7. Microscopic Imaging Unit (TPLSM; STED; Nuance)
8. Fluorescent cell sorting (FACS)
9. CRISPR/Cas9 facility (under development)
10. Induced pluripotent stem cell (iPSC) lab (under development)
11. Muroidean facility for phenotyping of small animal models
12. Small animal laboratory for imaging (MRI; PET; SPECT)
13. Cardiovascular complex genetics and systems biology
14. Biobank/the Maastricht Study (10.000 DM2 px vs control)
15. Complex Arrhythmia Unit
16. Thrombosis Expertise Center
17. CardioResearch-HVC Unit

European grants

TITLE	NAME	START DATE	END DATE	AMOUNT
FP7-PEOPLE-2012-ITN RADOX	Prof. Uli Schotten	01/01/2013	31/12/2016	€ 644.019,66
FP7-HEALTH-2012-INNOVATION-1 HOMMAGE	Prof. Stephane Heymans	01/02/2013	31/01/2018	€ 985.750,00
ERC-2012-StG_20111109 Calmirs	Prof. Leon de Windt	01/02/2013	31/01/2018	€ 1.499.528,00
FP7-PEOPLE-2012-IIF-MANASH	Dr Dietbert Neumann	01/03/2013	28/02/2015	€ 183.469,80
Interreg VaRiA	Prof. Mark Post	01/07/2013	31/12/2014	€ 187.500,00
Interreg DoseScan	Prof. Chris Reutelingsperger	01/08/2013	31/12/2014	€ 54.160,69
FP7-HEALTH-2013-INNOVATION-1 Fibro Targets	Prof. Stephane Heymans	01/09/2013	31/08/2017	€ 500.000,00
Interreg ELEKTRON	Prof. Chris Reutelingsperger	01/10/2013	31/12/2014	€ 64.216,60
FP7 - Hecatos	Prof. Stephane Heymans	01/10/2013	30/09/2018	€ 531.225,00
Op Zuid Thrombospin	Prof. Hugo ten Cate/Dr Henry Spronk	01/11/2014	31/12/2015	€ 49.660,00
H2020-ICT-2014-1 CARDIS	Prof. Frits Prinzen	01/02/2015	31/01/2019	€ 176.915,00
H2020-PHC-2014-two-stage CATCH ME	Prof. Uli Schotten	01/05/2015	01/05/2019	€ 718.187,50
ESH Servier grant	Dr Sébastien Foulquier	01/07/2015	01/07/2017	€ 30.000,00
Horizon2020 SIRENE	Prof. Leon de Windt	01/08/2015	31/01/2017	€ 150.000,00
EU Marie Curie Fellowship MIRAGE	Prof. Leon de Windt	01/08/2015	01/08/2017	€ 165.598,80
H2020-MSCA-ITN-2015 AFib-TrainNet	Prof. Uli Schotten	01/09/2015	01/09/2019	€ 445.949,00
Interreg Healthy Aging	Prof. Erik Biessen	01/01/2016	30/06/2020	€ 604.645,66
SVDs@target	Prof. Robert van Oostenbrugge	01/01/2016	01/01/2021	€ 477.250,00
Horizon2020 Athero MPh proliferation	Prof. Erik Biessen	01/02/2016	31/01/2018	€ 177.598,80
Interreg Trans Tech Diagnostics	Prof. Mark Post	01/02/2016	31/01/2019	€ 966.250,00
EFSD	Dr Nordin Hanssen	01/04/2016	31/03/2017	€ 50.000,00
H2020 MSCA-ITN-2015-ETN EVOluTION	Prof. Chris Reutelingsperger	01/04/2016	31/03/2020	€ 471.528,56
H2020 MSCA-ITN-2015-ETN EVOluTION	Prof. Erik Biessen	01/04/2016	31/03/2020	€ 220.814,28
Interreg SKiN-HUID	Prof. Chris Reutelingsperger	01/09/2016	31/08/2019	€ 880.551,40
Interreg PolyValve	Prof. Johan Heemskerk	01/10/2016	01/10/2019	€ 1.200.000,00
EFSD	Dr Katrien Gaens	01/12/2016	30/11/2017	€ 50.000,00
H2020-FTIPilot-2016-1 AXONE	Prof. Frits Prinzen	01/01/2017	01/01/2020	€ 358.125,00
EFSD	Dr Ronald Henry	01/03/2017	28/02/2020	€ 150.000,00
H2020-MSCA-ITN-2016 INTRICARE	Prof. Tilman Hackeng	01/03/2017	28/02/2021	€ 208.124,28
H2020-MSCA-ITN-2016 INTRICARE	Dr Rory Koenen	01/03/2017	28/02/2021	€ 205.424,28
H2020-MSCA-ITN-2016 INTRICARE	Prof. Leon Schurgers	01/03/2017	28/02/2021	€ 237.824,28
H2020-MSCA-ITN-2016 INTRICARE	Dr Matthijs Blankesteijn	01/03/2017	28/02/2021	€ 200.024,28
H2020-MSCA-ITN-2016 INTRICARE	Prof. Erik Biessen	01/03/2017	28/02/2021	€ 217.574,28
H2020-MSCA-ITN-2016 INTRICARE	Prof. Eline Kooi	01/03/2017	28/02/2021	€ 217.574,28
ERA-CVD LYMIT-DIS	Dr Marc van Bilsen	01/05/2017	30/04/2020	€ 299.052,00
ERA-CVD MacroERA	Prof. Leon de Windt	01/06/2017	31/05/2020	€ 300.000,00
ERA-CVD EXPERT	Prof. Leon de Windt	01/06/2017	31/05/2020	€ 300.000,00
Op Zuid Biomarkers	Dr Henry Spronk	01/09/2017	01/06/2020	€ 232.378,00
H2020 PIC 764738	Prof. Frits Prinzen	01/09/2017	01/09/2021	€ 255.374,28
H2020 PIC 764738	Prof. Tammo Delhaas	01/09/2017	01/09/2021	€ 255.374,28
EFSD/Sanofi	Dr Martijn Brouwers	01/11/2017	31/10/2019	€ 230.000,00
H2020-MSCA-ITN-2017 TAPAS	Prof. Johan Heemskerk	01/01/2018	31/12/2021	€ 1.021.497,00
H2020-MSCA-ITN-2017 CaReSyAn	Prof. Chris Reutelingsperger	01/01/2018	31/12/2021	€ 238.094,28
Horizon2020 iPLACENTA	Prof. Leon de Windt	01/01/2018	31/12/2021	€ 255.374,28
H2020-MSCA-ITN-2017 CaReSyAn	Prof. Erik Biessen	01/01/2018	31/12/2021	€ 238.094,28
ERC-PoC SUMMA	Prof. Leon de Windt	01/02/2018	31/07/2019	€ 149.875,00
ERA-CVD JTC2017	Prof. Erik Biessen	01/05/2018	30/04/2021	€ 250.000,00
Interreg INFLOW	Prof. Mark Post	01/09/2018	31/08/2021	€ 920.389,64

Scientific awards *Blood*

NAME	TITLE	ORGANISATION	YEAR	DIVISION
Christian Weber	Alexander Schmidt Award	Society of Thrombosis and Haemostasis Research	2015	Blood
Emiel van der Vorst	Bernd R. Binder Publication Prize	Technoclone	2016	Blood (former Theme III)
Emiel van der Vorst/ Kosta Theodorou	Paper of the Year Award	Scandinavian Society for Atherosclerosis Research	2017	Blood (former Theme III)
Farida Omarova	Young Investigator Award	European Haematology Association/ International Society on Thrombosis and Haemostasis (ISTH)	2013	Blood
Farida Omarova	Award of Excellence	Dutch Society on Thrombosis and Haemostasis (NVTH)	2014	Blood
Francesca Nuzzo	Young Investigator Award	European Haematology Association/ International Society on Thrombosis and Haemostasis (ISTH)	2013	Blood
Genevieve Crombag	Nominated for the Pelerin Prize	Maastricht UMC+		Blood (former Theme III)
Ingrid Dijkgraaf	Outreach Lecturing Fund Travel Award	Fulbright-US Department of state	2014	Blood
Ingrid Dijkgraaf	Fulbright Grant	Fulbright	2013	Blood
Judith Cosemans	Edmond Hustinx Award	Maastricht University	2014	Blood
Judith Sluimer	Best mentor B.Sc. Medicine	FHML Maastricht University	2015	Blood (former Theme III)
Kosta Theodorou	Best Oral presentation	Dutch Heart Foundation	2014	Blood (former Theme III)
Kosta Theodorou	Young Investigator Award	European Society of Cardiology (ESC)	2015	Blood (former Theme III)
Maurice Halder (Leon Schurgers)	Arterial remodeling: a key player in cardiovascular disease	Unilever Research Price	2017	Blood
Martijn Chatrou (Leon Schurgers)	Dissertation price	Maastricht University	2015	Blood

Scientific awards *Blood*

NAME	TITLE	ORGANISATION	YEAR	DIVISION
Marijke Kuijpers	Pfizer Investigator Research Grant	Pfizer Inc., New York, USA	2016	Blood
Marjo Donners	Marten Hofker Memorial Award	Journal of Arteriosclerosis, Thrombosis and Vascular Biology, American Heart Association	2017	Blood (former Theme III)
Martijn Smulders	Winner Pelerin Symposium	Maastricht UMC+	2017	Blood (former Theme III)
Paola van der Meijden	Grant award and fellowship	European Haematology Association/ International Society on Thrombosis and Haemostasis (ISTH)	2.015	Blood
Peter van Doorn	Award of Excellence	Dutch Society on Thrombosis and Haemostasis (NVTH)	2016	Blood
Robert van Oostenbrugge	Science and Innovation award	Federation of Medical Specialists	2017	Blood (former Theme III)
Robert van Oostenbrugge	Award of Excellence and Innovation in Intervertion Radiology	Cardiovascular and Interventional Radiological Society of Europe (CIRSE)	2017	Blood (former Theme III)
Rory Koenen	W.H. Hauss Prize	German Society for Atherosclerosis Research (DGAF)	2016	Blood
Rory Koenen	PhD student grant	Landsteiner Foundation for Blood Transfusion Research	2017	Blood
Tilman Hackeng	Elected Member	Royal Holland Society of Sciences and Humanities (KHMW)	2013	Blood
Tilman Hackeng	MacFarlane award	International Society on Thrombosis and Haemostasis (ISTH)	2013	Blood
Wim van Zwam	Science and Innovation award	Federation of Medical Specialists	2017	Blood (former Theme III)
Wim van Zwam	Award of Excellence and Innovation in Intervertion Radiology	Cardiovascular and Interventional Radiological Society of Europe (CIRSE)	2017	Blood (former Theme III)
Wim van Zwam	EJMINT Award	European Society of Mininimal Invasive Neurological Therapy (ESMINT)	2016	Blood (former Theme III)

Scientific awards *Vessels*

NAME	TITLE	ORGANISATION	YEAR
Coen Stehouwer	McDonald Award	Artery Society	2017
Kristiaan Wouters	Prof. J. Terpstra Young Investigator Award	Dutch Association for Diabetes Research (NVDO)	2015
Mark Post	World Technology Award	The World Technology Network	2013
Nicolaas Schaper	Roger Pecararo Award	American Association of Diabetes (ADA)	2016
Nicolaas Schaper	12th Annual Edward James Olmos Award for Advocacy in Amputation Prevention	Diabetic foot conference (DFCon)	2015
Nicolaas Schaper	Lifelong Achievement Award	Diabetic Foot Study Group of the European Association of the Study of Diabetes (EASD)	2014
Peyman Sardari Nia	Techno-college innovation award	European Association for Cardio-Thoracic Surgery	2014

Scientific awards *Heart*

NAME	TITLE	ORGANISATION	YEAR	DIVISION
Guido Haenen	Education prize FHML 2015	FHML Maastricht University	2015	Heart
Bart Spronck	Winner of Maastricht University Valorization Award 2016	Maastricht University	2017	Heart
Bart Spronck	Artery Career Development Award 2017	Artery Society	2017	Heart
Bart Spronck	Gert van Montfrans prize for best paper in Hypertension 2015	Netherlands Society for Hypertension (NVH)	2015	Heart
Bart Spronck	Ter Meulen grant	Royal Netherlands Academy of Arts and Sciences	2015	Heart
Bart Spronck	Best oral presentation at the 3rd joint meeting of the Dutch Endothelial Biology Society and the Dutch Society for Microcirculation and Vascular Biology	Dutch Endothelial Biology Society and the Dutch Society for Microcirculation and Vascular Biology	2014	Heart
Bart Spronck	Endeavour Research Fellowship	Australian Government	2015	Heart
Harry Crijns	Wenckebach Lecture Award	Dutch Heart Foundation	2015	Heart
Marc Strik	Training grant	Netherlands Heart Institute	2015	Heart
Mark Hazebroek	Outstanding Achievement Award for Basic Cardiovascular research	European Society of Cardiology (ESC)	2016	Heart
Mark Hazebroek	Young investigator Award	Heart Failure Association of the European Society of Cardiology (ESC)	2016	Heart
Matthijs Cluitmans	Rosanna Degani Award of Young Investigators Competition	International Conference on Computing in Cardiology, Cambridge, MA, USA	2014	Heart
Pamir Sawo	Young Presenter Award - 1st Prize	The 10th Congress of the Vascular Access Society	2017	Heart
Rachel ter Bekke	Finalist, Young Investigator Award (Honorable Mention, Basic)	Heart Rhythm Society, San Francisco, CA, USA	2016	Heart
Roel Spätjens	Employee Award	Maastricht Univerisity	2015	Heart
Sébastien Foulquier	Young Investigator Award	European Council for Cardiovascular Research (ECCR)	2017	Heart
Stephane Heymans	Leon Dumont Investigator Award	Belgian Society of Cardiology	2013	Heart
Stephane Heymans	Outstanding Achievement Award for Basic Cardiovascular research	European Society of Cardiology	2015	Heart
Uli Schotten	Albert Fraenkel Award	German Society of Cardiology	2016	Heart

Invited lectures *Blood*

NAME	TITLE	OCCASION (+ COUNTRY)	YEAR	DIVISION
Arina ten Cate-Hoek	Post thrombotic syndrome: implications and management	Annual Meeting of the Society of Thrombosis and Hemostasis Research (GTH), Basel, Switzerland	2017	Blood
Arina ten Cate-Hoek	State-of-the-art: prevention and treatment Post Thrombotic Syndroem	Annual Meeting of the International Society on Thrombosis and Hemostasis (ISTH) Berlin, Germany	2017	Blood
Chris Reutelingsperger	Imaging Apoptosis	Annual Meeting of the European Association of Nuclear Medicine (EANM), Barcelona, Spain	2016	Blood
Christian Weber	Chemokines and miRNAs and atherosclerosis	International Vascular Biology Meeting (IVBM), Kyoto, Japan	2014	Blood
Christian Weber	miRNAs and regional susceptibility to atherosclerosis	Conference Frontiers in CardioVascular Biology (FCVB), Barcelona, Spain	2014	Blood
Christian Weber	Chemokines in atherosclerosis	Annual Meeting of the Society of Thrombosis and Hemostasis Research (GTH), Düsseldorf, Germany	2015	Blood
Christian Weber	Regulation of microRNA trafficking in atherosclerosis.	Gordon Research Conference on Atherosclerosis, Newry, Maine, USA	2015	Blood
Christian Weber	Chemokine interactome mapping for tailored intervention in acute and chronic inflammation	Gordon Research Conference on Chemotactic Cytokines, Girona, Spain	2016	Blood
Christian Weber	Targeting chemokines to control plaque cell infiltration	Gordon Research Conference on Atherosclerosis, Newry, Maine, USA	2017	Blood
Christian Weber	Regulation of atherosclerosis by microRNAs	European Atherosclerosis Society (EAS) Congress, Prag, Czech Republic	2017	Blood
Christian Weber	Inflammation: a treatment target in CAD prevention	European Society of Cardiology (ESC), Munich, Germany	2018	Blood
Elisabetta Castoldi	Antisense-based RNA therapy of severe coagulation factor V deficiency caused by a deep-intronic splicing mutation	57th National Meeting of the Italian Society of Biochemistry and Molecular Biology (SIB), Ferrara, Italy	2013	Blood
Elisabetta Castoldi	Antisense-based rescue of a F5 deep-intronic splicing mutation causing severe factor V deficiency	1st International Caparica Conference in Splicing. Caparica, Lisbon, Portugal	2016	Blood
Elisabetta Castoldi	Modulation of alternative splicing of coagulation genes: a new approach to prevent venous thrombosis	European Congress on Thrombosis and Haemostasis, The Hague, The Netherlands	2016	Blood
Elisabetta Castoldi	TFPI: new insights into an old inhibitor	63rd Annual SSC Meeting of the International Society on Thrombosis and Haemostasis (ISTH), Berlin, Germany	2017	Blood
Elisabetta Castoldi	Regulation of coagulation by alternative splicing	2nd International Caparica Conference in Splicing. Caparica, Lisbon, Portugal	2018	Blood

Invited lectures *Blood*

NAME	TITLE	OCCASION (+ COUNTRY)	YEAR	DIVISION
Henri Spronk	Direct oral anticoagulants versus vitamin K-antagonists. Molecular, Structural & Clinical Aspects of Vitamin K and Vitamin K-Dependent Proteins	FASEB Science Research Conferences, Itasca, Illinois, USA	2015	Blood
Henri Spronk	Coagulation and non-coagulation effects of thrombin	20th congress of the European Hematology Association, Vienna, Austria	2015	Blood
Henri Spronk	Oral Anticoagulants in the Prevention of Experimental Atherosclerosis	64th Annual Scientific and Standardization Committee (SSC), Milwaukee, WI	2014	Blood
Henri Spronk	Pleiotropic effects of factor Xa and thrombin: What to expect from novel anticoagulants	European Society of Cardiology, Nice, France	2014	Blood
Hugo ten Cate	Inflammation and coagulation - Educational lecture	64th Annual Scientific and Standardization Committee (SSC), Milwaukee, WI	2014	Blood
Hugo ten Cate	Risk of bleeding during antithrombotic therapy	Annual meeting of the British Society for Haematology (BSH), Glasgow, UK	2016	Blood
Hugo ten Cate	Coagulation proteases in atherosclerosis	Annual Meeting of the Society of Thrombosis and Hemostasis Research (GTH), Basel, Switzerland	2017	Blood
Hugo ten Cate	Managing DOAC's in the peri operative setting	Annual Congress of the European Hematology Association, Madrid, Spain	2017	Blood
Hugo ten Cate	Coagulation proteases in atherosclerosis	Annual Meeting of the International Society on Thrombosis and Hemostasis (ISTH) Berlin, Germany	2017	Blood
Hugo ten Cate/Henri Spronk	Differential Role of TF and PS in Activation of Coagulation	7th Symposium on Hemostasis, Chapel Hill, NC, USA	2014	Blood
Ingrid Dijkgraaf	Inspired by Nature for tailor-made peptides and proteins in cardiovascular research	11th annual Global Drug Discovery & Development Innovation Forum, Amsterdam, The Netherlands	2018	Blood
Johan Heemskerk	Platelet procoagulant activity	International Platelet ADP Conference: From Basic Science to Clinical Practice, Nice, France	2013	Blood
Johan Heemskerk	Assaying thrombus formation under flow: the role of coagulation	59th SSC Meeting and 24th Congress of the ISTH, Amsterdam, The Netherlands	2013	Blood
Johan Heemskerk	Thrombus formation on atherosclerotic plaques and at atherosclerotic geometries	3rd International Munich Aortic Conference, Munich, Germany	2013	Blood
Johan Heemskerk	Mechanisms involved in the platelet procoagulant activity	23rd Biannual International Congress on Thrombosis, Valencia, Spain	2014	Blood
Johan Heemskerk	Scrambling the membrane: a regulatory mechanism of platelet function	25th Congress of the International Society on Thrombosis and Hemostasis (ISTH), Toronto, Canada	2015	Blood

Invited lectures *Blood*

NAME	TITLE	OCCASION (+ COUNTRY)	YEAR	DIVISION
Johan Heemskerk	Regulation of platelet procoagulant activity	57th Annual Meeting of the American Society of Hematology, Orlando, FL, USA	2015	Blood
Johan Heemskerk	Platelet-based control of coagulation	60th Annual Meeting of the Society of Thrombosis and Haemostasis Research (GTH), Münster, Germany	2016	Blood
Johan Heemskerk	New findings on the role of procoagulant platelets in hemostatic plug formatio	8th Symposium on Hemostasis, Translational and basic science discoveries, Chapel Hill, NC, USA	2016	Blood
Johan Heemskerk	Procoagulant 'zombie' platelets	26th Congress of the International Society on Thrombosis and Hemostasis (ISTH), Berlin, Germany	2017	Blood
Johan Heemskerk	Microscope-independent thrombus formation to assess bleeding and thrombosis risks	Symposium on Transition Projects CTMM Health-Holland, Top-Sector Life Sciences and Health. December 2018, The Hague, The Netherlands	2018	Blood
Judith Cosemans	Non-redundant roles of kinase isoforms in platelet activation and thrombus formation	24th Congress of the International Society on Thrombosis and Hemostasis (ISTH), Amsterdam, The Netherlands	2013	Blood
Judith Cosemans	Persistent platelet and coagulant activities in atherothrombosis	25th Congress of the International Society on Thrombosis and Hemostasis (ISTH), Toronto, Canada	2015	Blood
Judith Cosemans	Factor XII regulates the pathological process of thrombus formation on ruptured plaques	Arteriosclerosis, Thrombosis and Vascular Biology Council Conference, San Francisco, USA	2015	Blood
Judith Cosemans	In vitro flow models of platelet activation and thrombus formation	60th Annual Meeting of the Society of Thrombosis and Haemostasis Research (GTH), Münster, Germany.	2016	Blood
Judith Cosemans	Different types of procoagulant platelets in a thrombus: just a matter of definitions?	62th Annual Scientific and Standardization Committee (SSC), Montpellier, France	2016	Blood
Judith Cosemans	Platelet/fibrin interactions during thrombosis	Gordon Research Conference on Hemostasis, Waterville Valley, NH, USA	2018	Blood
Leon Schurgers	Vascular calcification: the price to pay for anticoagulation with vitamin K-antagonists	Annual Meeting of the Society of Thrombosis and Haemostasis Research (GTH), Vienna, Austria	2014	Blood
Leon Schurgers	The price to pay for anticoagulation with vitamin K-antagonists	GHSSH, Bern, Switserland	2015	Blood
Leon Schurgers	Vitamin K and Calcification	Meeting Federation of American Societies for Experimental Biology, Chicago, USA	2015	Blood
Leon Schurgers	Clinical Consequences of vitamin K deficiency	American Society of Nephrology	2016	Blood

Invited lectures *Blood*

NAME	TITLE	OCCASION (+ COUNTRY)	YEAR	DIVISION
Leon Schurgers	Vitamin K-dependent carboxylation of matrix Gla-protein: a crucial switch to control ectopic mineralization	European Renal Association	2016	Blood
Leon Schurgers	Mouse models of vessel wall pathology	European Congress on Thrombosis and Haemostasis	2016	Blood
Leon Schurgers	Vitamin K-deficiency - does it promote vascular calcification	European Renal Association, Madrid, Pain	2017	Blood
Leon Schurgers	Role of vitamin K in arterial calcifications and cardiovascular disease	Artery, Pisa, Italy	2017	Blood
Leon Schurgers	Exosome-mediated vascular calcification	European Society of Cardiology, Munich, Germany	2018	Blood
Monika Stoll	Extracting biomarkers through bioinformatics	5th 7th Joint Consensus Conference of the Atrial Fibrillation NETwork (AFNET) and the European Heart Rhythm Association (EHRA)	2015	Blood
Monika Stoll	Genetic risk factors for thrombosis in children	60th Annual Meeting of the German, Austrian and Swiss Society of Thrombosis and Haemostasis Reearch (GTH) in cooperation with the Israeli Society of Thrombosis and Hemostasis	2016	Blood
Monika Stoll	Peri-partum and Neonatal Complications	7th International Conference on women's health issues in thrombosis and haemostasis, Barcelona, Spain	2017	Blood
Paola van der Meijden	Assessment of platelet-dependent coagulation and fibrinolysis under flow	25th Congress of the International Society on Thrombosis and Hemostasis (ISTH). June 2015. Toronto, Canada	2015	Blood
Paola van der Meijden	Assessment of platelet-dependent coagulation and fibrinolysis under flow	SSC-ISTH, Toronto, Canada (Biorrheology session)	2015	Blood
Rory Koenen	Platelets and the vascular wall	European Atherosclerosis Society (EAS) Advanced Course on Atherothrombosis, Vienna, Austria	2017	Blood
Rory Koenen	Extracellular vesicles from platelets, transporters of inflammatory information	15th European Symposium on Platelet and Granulocyte Immunobiology (ESPGI), Ede, The Netherlands	2018	Blood
Rory Koenen	Platelets, basic mechanisms and translational implications	International platelet conference Tübingen, Germany	2016	Blood
Rory Koenen	Dissecting the role of platelet hyper-reactivity in early atherogenesis	European Society of Cardiology congress, Rome, Italy	2016	Blood

Invited lectures *Blood*

NAME	TITLE	OCCASION (+ COUNTRY)	YEAR	DIVISION
Rory Koenen	Platelets and their chemokines in cardiac inflammation.	Frontiers in CardioVascular Biology, Florence, Italy	2016	Blood
Rory Koenen	Chemokines and adhesion molecules in vascular inflammation	60th Annual Congress of the Society of Thrombosis and Haemostasis Research (GTH), Münster, Germany	2016	Blood
Tilman Hackeng	Modular requirements of TFPI function	FASEB Science Research Conferences Proteases in Hemostasis and Vascular Biology, Nassau, The Bahamas	2013	Blood
Tilman Hackeng	Tissue factor pathway inhibitor and protein S	The International Society on Trombosis & Haemostasis XXIVth Congress, Amsterdam, the Netherlands	2013	Blood
Tilman Hackeng	Peptide/Protein Based Molecular Targeted imaging of Cardiovascular disease	Haematology Society of Australia and New Zealand, Perth, Australia	2014	Blood
Tilman Hackeng	The role of tissue factor pathway inhibitor in atherothrombosis	58th International Meeting of the Society of Thrombosis and Hemostasis Research (GTH) Meeting, Vienna, Austria	2014	Blood
Tilman Hackeng	Thrombin generation	International Consensus Conference on Thrombosis (MCCT), MECC, Maastricht, The Netherlands	2015	Blood
Tilman Hackeng	Forced hetero-chemokine marriage reveals onset of atherosclerosis	7th International Congres on Chemical Protein Synthesis, Haifa, Israel	2017	Blood
Tilman Hackeng	Activation and Inhibition of contact enzymes	SSC Subcommittee Factor XI and the Contact System. The International Society on Thrombosis & Haemostasis 64th SSC meeting, Dublin, Ireland	2018	Blood
Yvonne Henskens	Pre-analytical standardisation of light transmission aggregometry	63rd Annual SSC Meeting of the International Society on Thrombosis and Haemostasis (ISTH), Berlin, Germany	2017	Blood
Eline Kooi	Carotid atherosclerotic plaques: strengths and weaknesses of MRI	European Society of Magnetic Resonance in Medicine and Biology, Toulouse, France	2013	Blood (former Theme III)
Eline Kooi	Plaque imaging of carotid bifurcation and intracranial arteries	32nd Annual Scientific Meeting European Society of Magnetic Resonance in Medicine and Biology	2015	Blood (former Theme III)
Eline Kooi	Carotid plaque imaging	2nd European Stroke Organisation Conference	2016	Blood (former Theme III)
Erik Biessen	Plaque lymphangiogenesis: to drain or not to drain	International Society of Cardiology, Boston, USA	2016	Blood (former Theme III)
Erik Biessen	Plaque lymphatics: to drain or not to drain	International Academy of Cardiology, 22nd World Congress on Heart Disease, Vancouver, Canada	2017	Blood (former Theme III)
Jan Bucerius	Imaging Atherosclerosis: From Inflammation to Calcification	Annual Meeting European Association of Nuclear Medicine	2016	Blood (former Theme III)

Invited lectures *Blood*

NAME	TITLE	OCCASION (+ COUNTRY)	YEAR	DIVISION
Jan Bucerius	PET in Atherosclerosis	Annual Meeting of the Society of Nuclear Medicine and Molecular Imaging, Denver, USA	2017	Blood (former Theme III)
Joachim Wildberger	Acute Thorax - Non traumatic thoracic emergencies	Annual Meeting European Society of Emergency Radiology (ESER). Vienna, Austria	2014	Blood (former Theme III)
Joachim Wildberger	Pulmonary embolism: CTA, perfusion and beyond. Contrast Media Delivery: Standardize and individualize. Prevention of CIN: Overshooting the mark? Dual Energy CT: Brain hemorrhage vs. Contrast after mechanical recanalization. Pulmonary CT perfusion: Are my protocols up to date?	16th Annual International Symposium on Multidetector-Row CT. International Society of Computed Tomography (ISCT). San Francisco, USA	2014	Blood (former Theme III)
Joachim Wildberger	Chest. Acute pain. Your friend and enemy in emergency radiology. Great Vessels. Innovative choices in cardiovascular imaging	27th European Congress of Radiology (ECR). Vienna, Austria	2015	Blood (former Theme III)
Joachim Wildberger	When and why to visit the one-stop-shop. Controversies in cardiac imaging: Triple rule out	Annual Meeting of the European Society of Cardiac Radiology (ESCR), Vienna, Austria	2015	Blood (former Theme III)
Joachim Wildberger	Individualized contrast enhanced CT scans in clinical practice - challenges and solutions	European Congress of Radiology (ECR), Vienna, Austria	2016	Blood (former Theme III)
Joachim Wildberger	MRI in Acute Chest Pain	European Society of Radiology (ESCR), Krakow, Poland	2016	Blood (former Theme III)
Joachim Wildberger	Obtaining the optimal CT image the first time, every time: how to do it?	European Congres of Radiology (ECR), Vienna, Austria	2017	Blood (former Theme III)
Joachim Wildberger	AMACING - to hydrate of not to hydrate	13th SOMATOM World Summit, Singapore, Malaysia	2017	Blood (former Theme III)
Joachim Wildberger	MRI in acute chest pain	European Society of Cardiovascular Radiology (ESCR), Milaan, Italy	2017	Blood (former Theme III)
Joachim Wildberger	Chest Imaging	European Congress of Radiology (ECR), Vienna, Austria	2018	Blood (former Theme III)
Joachim Wildberger	Medical Imaging and Clinical Laboratories: a fruitful liaison	European Congress of Radiology (ECR), Vienna, Austria	2018	Blood (former Theme III)
Judith Sluimer	Role of hypoxia in mice and man	British atherosclerosis society, Cambridge, UK	2013	Blood (former Theme III)
Judith Sluimer	Oxygen and its sensors in atherogenesis	British atherosclerosis society Cambridge, UK	2017	Blood (former Theme III)

Invited lectures *Blood*

NAME	TITLE	OCCASION (+ COUNTRY)	YEAR	DIVISION
Robert van Oostenbrugge	MR CLEAN; ingredients to run a succesfull trial	European Stroke Organisation Conference	2015	Blood (former Theme III)
Werner Mess	Towards clinical implementation of microembolus detection: The role of long-term ambulatory TCD systems	Meeting of the European Society of Neurosonology and Cerebral Hemo-dynamics (ESNCH), Berlin, Germany	2017	Blood (former Theme III)
Werner Mess	MEP monitoring during TAAA repair	International Society of Intraoperative Neurophysiology (ISIN), Seoul, South Korea	2017	Blood (former Theme III)
Wim van Zwam	Endovascular Acute Stroke Treatment; a critical appraisal of the literature	European Congress of Radiology (ECR), Vienna, Austria	2016	Blood (former Theme III)
Wim van Zwam	Management of acute stroke; A critical appraisal of the current literature	European Congress of Radiology, Vienna, Austria	2017	Blood (former Theme III)
Wim van Zwam	Establishing an acute intra-arterial stroke service; Imaging based decision-making	Meeting of the Cardiovascular and Interventional Radiological Society of Europe (CIRSE), Copenhagen, Denmark	2017	Blood (former Theme III)
Wim van Zwam	MRCLEAN Main results and subanalyses	Meeting of the World Federation of Interventional & Therapeutic Neuroradiology (WFITN), Australia	2015	Blood (former Theme III)
Bas Bekkers	Emergency Radiology: 'Acute pain: your friend and enemy in emergency radiology'.	European Society of Radiology, Vienna	2015	Blood (former Theme III)
Casper Mihl	Challenges and opportunities in CT: three different perspectives	European Congress of Radiology, Vienna, Austria	2017	Blood (former Theme III)

Invited lectures *Vessels*

NAME	TITLE	OCCASION (+ COUNTRY)	YEAR	DIVISION
Boy Houben	Capillaries and beyond in Metabolic Diseases	15th European Angiology Days, Busto Arsizio, Italy	2018	Vessels
Bram Kroon	Baroreflex Activation Treatment in Resistant Hypertension	Annual Scientific Meeting of the European Society for Clinical Investigation (ESCI), Utrecht, The Netherlands	2014	Vessels
Bram Kroon	Renal Function in patients with Fibromuscular Dysplasia	Annual meeting of the European Society of Hypertension, Milan, Italy	2015	Vessels
Bram Kroon	Baroreflex Activation Treatment in Resistant Hypertension - How-to-session	Annual meeting of the European Society of Hypertension, Paris, France	2016	Vessels
Bram Kroon	The pathophysiology of carotid Intima-media thickness measurements	European Vascular Course, Maastricht, the Netherlands	2017	Vessels
Bram Kroon	Renal Denervation: Mechanisms of Action in Blood Pressure Reduction	Annual meeting of the European Society of Hypertension, Milan, Italy	2018	Vessels
Casper Schalkwijk	The glycation pathway: a key modulator of obesity-induced dysregulation of adipokine expression and insulin resistance	1st Heidelberg International Symposium On Late Diabetic Complications (HIDC), Heidelberg, Germany	2014	Vessels
Casper Schalkwijk	Advanced glycation endproducts in vascular calcification and in atherosclerosis.	EVBO/EVM, Pisa, Italy	2015	Vessels
Casper Schalkwijk	Obesity and Advanced Glycation Endproducts	3rd World Congress on Maillard Reaction & Glycation Hungarian Academy of Sciences, Budapest, Hungary	2016	Vessels
Casper Schalkwijk	Glycation, Advanced Glycation Endproducts (AGEs) and inflammation	50th Annual scientific meeting of the European Society for Clinical Investigation (ESCI), Paris, France	2016	Vessels
Casper Schalkwijk	Advanced Glycation Endproducts and vascular AGE-ing	10th international workshop on structure and function of the vascular system Paris, France	2016	Vessels
Casper Schalkwijk	Critical role of methylglyoxal and Advanced Glycation Endproducts (AGEs) in diabetes and ageing	International Conference on Biotechnological Advancements in Free Radical Biology and Medicine (ICBAFM), Lucknow, India	2017	Vessels
Casper Schalkwijk	Advanced Glycation Endproducts (AGEs) in Diabetes	International Conference on Advancements in Disease Genetics, Structural & Systems Biology Varanasi, India	2017	Vessels
Casper Schalkwijk	Dicarbonyl stress in diabetes and its vascular complications	European Association for the Study of Diabetes Conference, Lisbon, Portugal	2017	Vessels
Casper Schalkwijk	Methylglyoxal and insulin resistance: novel mechanism and unique target	13th International Symposium on the Maillard Reaction, Montreal, Canada	2018	Vessels

Invited lectures *Vessels*

NAME	TITLE	OCCASION (+ COUNTRY)	YEAR	DIVISION
Coen Stehouwer	Perivascular fat and the metabolic syndrome	12th Genoa Meeting on Hypertension, Diabetes and Renal Diseases, Genoa, Italy	2013	Vessels
Coen Stehouwer	Endothelial function and early detection of cardiovascular disease	European Association for Cardiovascular Prevention and Rehabilitation, Annual Meeting, Amsterdam, The Netherlands	2014	Vessels
Coen Stehouwer	What is vascular ageing?	International Society of Atherosclerosis, Amsterdam, The Netherlands	2015	Vessels
Coen Stehouwer	Role of mcirocirculatory dysfunction in the pathogenesis of diabetes	European Society for Microcirculation, Pisa, Italy	2015	Vessels
Coen Stehouwer	Treatment of hypertension in diabetes	European Society for Hypertension, Milan, Italy	2015	Vessels
Coen Stehouwer	Microcirculatory dysfunction in obesity	European Association for the Study of Obesity, Lisbon, Portugal	2015	Vessels
Coen Stehouwer	Usefulness of arterial stiffness measurement for risk assessment	Artery Society, Krakow, Poland	2015	Vessels
Coen Stehouwer	Microcirculatory dysfunction in diabetes	ESM-EVBO, Geneva, Switzerland	2017	Vessels
Coen Stehouwer	Microcirculatory dysfunction in diabetes	Artery, Pisa, Italy	2017	Vessels
Coen Stehouwer	Diabetes: an overview for the opthalmologist	18th Euretina Congress, Vienna, Austria	2018	Vessels
Ilja Arts	How to make the most out of big data: best practice examples	European Congress of Obesity (ECO), Porto, Portugal	2017	Vessels
Ilja Arts	Early life mechanisms in the development of obesity	European Congress of Obesity (ECO), Vienna, Austria	2018	Vessels
Mark Post	Medical Technology to produce Food	New York Academy of Science, New York, USA	2013	Vessels
Mark Post	Tissue Engineering of vascular grafts	European Society of Cardiology Congress Barcelona	2014	Vessels
Mark Post	Future of Meat	World Economic Forum, Summer meeting, Switzerland	2015	Vessels
Mark Post	Future of Food	Tirnity Global Development Society, Dublin, UK	2016	Vessels

Invited lectures *Vessels*

NAME	TITLE	OCCASION (+ COUNTRY)	YEAR	DIVISION
Mark Post	Planting the seeds of development	Economist Summit, Buenos Aires, Argentina	2017	Vessels
Mark Post	Lab-based meat production: Science fiction or reality?	Cornell Nutritional Conference, Ithaca, NY, USA	2017	Vessels
Mark Post	Culturing meat and implications for tissue engineering	Aegean Conference on tissue engineering, Heraklion, Greece	2017	Vessels
Michael Jacobs	Open and endovascular treatment of Lusorian artery	Int. Congres Aortic and peripheral Surgery Milaan	2016	Vessels
Nicolaas Schaper	Roger Pecararo lecture. The ecology of diabetic foot ulceration	American Diabetes Association Congress, USA	2016	Vessels
Nicolaas Schaper	Diabetic foot ulceration	European Wound Management Association, Germany	2016	Vessels
Nicolaas Schaper	Limb Salvage Lessons Learned from “Eurodiale”	Diabetic Limb Salvage Conference, USA	2014	Vessels
Nicolaas Schaper	The diabetic foot patient	European Radiology Society, Vienna, Austria	2015	Vessels
Jos Maessen	Preplanning Mediastinal Surgery with 3D-reconstruction, Oct 2017, Vienna	Annual meeting of the European Association for Cardio-Thoracic Surgery, Vienna, Austria	2017	Vessels
Peyman Sardari Nia	How to do a total arterial revascularisation. How to do it, with live-in-box?	27th Annual meeting of the European Association for Cardio-Thoracic Surgery, Vienna Austria	2013	Vessels
Peyman Sardari Nia	Nightmares in cardiothoracic Surgery, cardiac,	29th Annual meeting of the European Association for Cardio-Thoracic Surgery, Amsterdam, The Netherlands	2015	Vessels
Peyman Sardari Nia	Can we plan better to improve outcome?	30th Annual meeting of the European Association for Cardio-Thoracic Surgery, Barcelona, Spain	2016	Vessels
Peyman Sardari Nia	Live-in-a-box: endoscopic mini mitral repair	31th Annual meeting of the European Association for Cardio-Thoracic Surgery, Vienna, Austria	2017	Vessels

Invited lectures *Heart*

NAME	TITLE	OCCASION (+ COUNTRY)	YEAR	DIVISION
Joost Lumens	Pressure-volume loops: education by simulation	EuroEcho-Imaging, Leipzig, Germany	2016	Heart
Joost Lumens	Mechanisms of dyssynchrony: insights from modelling	European Society Cardiology (ESC) Congress, Amsterdam, The Netherlands	2013	Heart
Joost Lumens	Electrical versus mechanical substrates of electro-mechanical discoordination: insights from modelling	Annual Scientific Session European Society of Cardiology (ESC), Rome, Italy	2016	Heart
Kevin Vernooy	CRT in challenging cohorts	Future of Heart Failure meeting	2017	Heart
Koen Reesink	Large arteries in hypertension: what we know but cannot yet improve	Scientific Meeting of the International Hypertension Society, Beijing, China	2018	Heart
Koen Reesink	Bridging the methodological gap to translate insights across cell-tissue-vessel scales	10th International Workshop on Structure and Function of the Vascular System ('Safar Symposium'), Paris, France	2016	Heart
Koen Reesink	Maastricht approach for teaching circulatory physiology: enabling role of computer simulations in instruction and self-learning	Federation of European Physiological Societies (FEPS) Teaching Physiology Symposium, Kaunas, Lithuania	2015	Heart
Leon de Windt	A transcriptional/microRNA circuitry driving cardiac dilation	Plenary Speaker Basic Cardiovascular Sciences Scientific Sessions, American Heart Association (AHA) Scientific Sessions, Las Vegas, USA	2013	Heart
Leon de Windt	Small tricks to mend a broken heart	Giornata di studio, University of Turin, Italy	2016	Heart
Leon de Windt	MicroRNAs, stem cells and heart regeneration	European Society of Cardiology Congress, Rome, Italy	2016	Heart
Leon de Windt	Mechanosensing and cardiac remodeling	European Society of Cardiology Congress, Rome, Italy	2016	Heart
Leon de Windt	Non-Coding RNA Regulation of Myocardial Hypertrophy	Gordon Research Conference Cardiac Regulatory Mechanisms, New London, USA	2016	Heart
Leon de Windt	Fetal microRNAs play at large in heart failure	Keystone Conference "RNA-Based Approaches in Cardiovascular Disease", Keystone, Colorado, USA	2017	Heart
Matthijs Blankesteijn	Inflammation as an orchestrator in heart failure	Experimental Biology, Boston, USA	2013	Heart
Paul Volders	Mitigating and Managing Clinical Cardiovascular Risks: Preserving Effective Medicines	49th Congress of the European Societies of Toxicology (EUROTOX), Interlaken, Switzerland	2013	Heart

Invited lectures *Heart*

NAME	TITLE	OCCASION (+ COUNTRY)	YEAR	DIVISION
Paul Volders	The End of the Welfare State: Basic Research	Spring Summit of the ESC Heart Rhythm Association, Sophia Antipolis, France	2014	Heart
Paul Volders	Arrhythmogenic Mechanisms: Novel Insights	37th Annual Congress of the European Society of Cardiology, London, United Kingdom	2015	Heart
Paul Volders	Noninvasive Electrocardiographic Imaging for Individuals at Risk for Idiopathic Ventricular Fibrillation	44th Computing in Cardiology, Rennes, France	2017	Heart
Paula da Costa Martins	(Post)Transcriptional regulation of Hand2 in heart failure	Frontiers in Cardiovascular Biology (FCVB) of the European Society of Cardiology, Barcelona, Spain	2014	Heart
Paula da Costa Martins	Regulation of Pathological cardiac Remodeling following Myocardial Infarction: The Role of miR-199b	Keystone Symposium "Cell Biology of the Heart: Beyond the Myocyte-Centric View", Copper Mountain, Colorado, USA	2015	Heart
Paula da Costa Martins	Non-coding RNAs in herat failure	Gordon Research Conference Cardiac Regulatory Mechanisms, New London, USA	2016	Heart
Paula da Costa Martins	Cardiomyocyte-derived exosomes mediate pathological cardiac microvascular remdoeling	Keystone Conference "RNA-Based Approaches in Cardiovascular Disease", Keystone, Colorado, USA	2017	Heart
Sander Verheule	Animal models to study therapeutic approaches in atrial fibrillation	European Society of Cardiology (ESC), Barcelona, Spain	2014	Heart
Sander Verheule	Persistent AF: What do we know about the underlying substrate from basic studies?	Heart Rhythm Society Meeting, Boston, USA	2015	Heart
Sander Verheule	Endo-epicardial Electrical Dissociation in AF: Evidence and Implications for Therapy	Asian Pacific Heart Rhythm Society, Melbourne, Australia	2015	Heart
Sander Verheule	Atrial Coronary Supply and Demand: Implications for the AF substrate	Asian Pacific Heart Rhythm Society, Melbourne, Australia	2015	Heart
Sander Verheule	The metabolic impact of AF	Gordon Conference Cardiac Regulatory Mechanisms, New London, USA	2016	Heart
Sander Verheule	Reverse Electrical Remodeling in Atrial Fibrillation	European Society of Cardiology, Rome, Italy	2016	Heart
Sander Verheule	Atrial Fibrillation and mitochondrial dysfunction	Heart Rhythm Society Meeting, Boston, USA	2018	Heart
Sébastien Foulquier	Hypertension-induced vascular cognitive impairment: the microglial culprit	Annual meeting of the European Council for Cardiovascular Research, Lake Garda, Italy	2017	Heart
Stephane Heymans	Non-coding RNAs: central regulators of cardiac inflammation and disease	Annual congress of the European Heart Failure Association (HFA) of the European Society of Cardiology (ESC), Athens, Greece	2014	Heart
Stephane Heymans	Myocarditis - State of the art lecture	European Society of Cardiology congress, London, UK	2015	Heart
Stephane Heymans	MicroRNA-146a rewires cardiac metabolism and causes cardiac dysfunction in hypertensive heart disease	Keystone Meeting on non-cardiomyocyte involvement in cardiac diseases. Colorado, USA	2015	Heart
Stephane Heymans	Non-ischemic cardiomyopathies; complex gene-environmental interactions	European Society of Cardiology Congress, Rome, Italy	2016	Heart

Invited lectures *Heart*

NAME	TITLE	OCCASION (+ COUNTRY)	YEAR	DIVISION
Stephane Heymans	Dilated cardiomyopathies: novel mechanisms	Annual congress of the European Heart Failure Association (HFA) of the European Society of Cardiology (ESC), Florence, Italy	2016	Heart
Stephane Heymans	Cardiac amyloidosis	Annual congress of the European Heart Failure Association (HFA) of the European Society of Cardiology (ESC), Vienna, Austria	2018	Heart
Stephane Heymans	Understanding cardiomyopathies. What are the mechanisms?	Annual congress of the European Heart Failure Association (HFA) of the European Society of Cardiology (ESC), Paris, France	2017	Heart
Stephane Heymans	Fibrosis - The dark side of the force. State of the art	European Society of Cardiology (ESC) congress, Barcelona, Spain	2017	Heart
Tammo Delhaas	Cardiovascular modelling as an adjunct to teaching and research	6th World Congress of Pediatric Cardiology and Cardiac Surgery, Cape Town, South Africa	2013	Heart
Tammo Delhaas	CircAdapt: a model to imag(in)e cardiovasculary (patho)physiology	47th Annual Meeting of the Association for European Paediatric and Congenital Cardiology (AEPC), London, UK	2013	Heart
Tammo Delhaas	Computational Study on the Potts Shunt in Pulmonary Hypertension	7th International Conference on Neonatal and Childhood Pulmonary Vascular Disease, San Francisco, CA	2014	Heart
Tammo Delhaas	Computational Study on the Cardiovascular System: ventricular-ventricular interaction and right ventricular failure in pulmonary hypertension	3rd Toronto RV symposium, Toronto, Canada	2014	Heart
Tammo Delhaas	Combining computer modeling and cardiac imaging to understand right ventricular pump function	3rd European Conference on Neonatal and Paediatric Pulmonary Vascular Disease, Groningen, The Netherlands	2017	Heart
Tammo Delhaas	Risk / Benefit-assessment in Computational Modeling to Guide Cardiac Resynchronization Therapy	7th World Congress of Pediatric Cardiology and Cardiac Surgery (WCPCCS), Barcelona, Spain	2017	Heart
Uli Schotten	Atrial Fibrillation: A Maze of Mechanisms	International Symposium for Modeling of Cardiac Function, London, UK	2014	Heart
Uli Schotten	Personalized approaches to guide rhythm control therapies in atrial fibrillation	5th consensus conference of the European Heart Rhythm Association (EHRA), Nice, France	2015	Heart
Uli Schotten	Role of atrial fibrosis and fatty infiltration in atrial fibrillation	Gordon Research Conference on Arrhythmia mechanisms, Italy	2015	Heart
Uli Schotten	Western AF Symposium, Salt Lake City : Structural and electrical remodeling: From an experimental perspective	Western AF Symposium, Salt Lake City, USA	2016	Heart

Invited lectures *Heart*

NAME	TITLE	OCCASION (+ COUNTRY)	YEAR	DIVISION
Uli Schotten	Spontaneous Ca2+ Release is NOT responsible for atrial fibrillation	Debate Session at Heart Rhythm 2016, San Francisco, USA	2016	Heart
Uli Schotten	Mechanisms of atrial fibrillation: is there something new?	Heart Rhythm 2016, San Francisco, USA	2016	Heart
Uli Schotten	Atrial Fibrillation as ElectroCoaguloVasculopathy	European Cardiac Arrhythmia Society , Paris, France	2016	Heart
Uli Schotten	The hypercoagulable state promotes atrial fibrosis and AF	AF symposium, Orlandom, USA	2017	Heart
Uli Schotten	Rotors' detected by phase analysis identify conduction block but not rotational activity	AF symposium, Orlandom, USA	2017	Heart
Uli Schotten	Phase analysis of electrograms identifies conduction block but not rotating wavefronts	Western AF symposium, Salt Lake City, USA	2017	Heart
Uli Schotten	How critical are mechanisms to treatment of AF?	Heart Rhythm Society Congress, Boston, USA	2018	Heart
Uli Schotten	Electrophysiological assessmnt of the substrate for atrial fibrillation	10th Atrial Fibrillation symposium, Prague, Czechia	2018	Heart
Uli Schotten	3D computer mode of endo-epicardial dissociation and transmural conduction during atrial fibrillation	Boston AF symposium, Boston, USA	2018	Heart
Vanessa van Empel	HFpEF and inflammation	European Society of Cardiology (ESC) Congress, Barcelona, Spain	2017	Heart
Wouter Huberts	What is needed to make cardiovascular models suitable for clinical decision support?	World Congress of Biomechanics, Dublin, IRL	2018	Heart

Scientific committees *Blood*

NAME	SCIENTIFIC BOARD	CHARACTER OF MEMBERSHIP	PERIOD	DIVISION
Aaron Isaacs	American Society of Human Genetics Abstract Review Board (Complex Genetics)	Member	2017-present	Blood
Bas Bekkers	Working Group CT, CMR and Nuclear Cardiology of the Dutch Society for Cardiology (NVvC)	Member	2016-2017	Blood (former Theme III)
Bas Kietselaer	Working Group CT, CMR and Nuclear Cardiology of the Dutch Society for Cardiology (NVvC)	Member	2015-present	Blood (former Theme III)
Casper Mihl	Board Radiology days Dutch Society for Radiology (NVvR)	Member	2018	Blood (former Theme III)
Casper Mihl	Scientific Board Dutch Society for Radiology (NVvR)	Member	2016	Blood (former Theme III)
Christian Weber	ESC Working group on Aterhosclerosis and Vascular Biology	Chair	2012-2014	Blood
Christian Weber	PARCC Scientific Advisory Board	Member	2010-present	Blood
Christian Weber	ESC Council of Basic Cardiovascular Science (CBCS)	Treasurer	2014-2018	Blood
Christian Weber	ESC Council of Basic Cardiovascular Science (CBCS)	Chair elect	2018-2020	Blood
Eline Kooi	Benelux Chapter of International Society of Magnetic Resonance in Medicine	Treasurer	2018-2019	Blood (former Theme III)
Eline Kooi	Netherlands Heart Foundation, researcher representative for group discussion on future research agenda	member	2014	Blood (former Theme III)
Elisabetta Castoldi	Subcommittee on Plasma Coagulation Inhibitors of the International Society on Thrombosis and Haemostasis (ISTH)	Co-chair	2010-2014	Blood
Erik Biessen	Committee Cardiovascular Research Netherlands - Dutch Heart Foundation	Member	2014-2015	Blood (former Theme III)
Erik Biessen	Dutch Atherosclerosis Society	Member	2014-2015	Blood (former Theme III)

Scientific committees *Blood*

NAME	SCIENTIFIC BOARD	CHARACTER OF MEMBERSHIP	PERIOD	DIVISION
Erik Biessen	NWO TOP grant committee	Member	2014-2015	Blood (former Theme III)
Erik Biessen	I.W.T. doctorate collegium (Government of Belgium)	Member	2011-present	Blood (former Theme III)
Erik Biessen	Research Foundation Flanders (FWO) Belgium	Member	2014-2015	Blood (former Theme III)
Erik Biessen	BHF professor site visit committee	Member	2014-present	Blood (former Theme III)
Gerry Nicolaes	Expert panel at the Research Foundation Flanders (FWO) - Med1 (Pharmaceutical Sciences and Medical Biochemistry) Project panel	member	2019-present	Blood
Gerry Nicolaes	Netherlands Society on Biomolecular Modeling	Chair	2010-present	Blood
Gerry Nicolaes	NWO Veni selection committee	Member	2012-2015	Blood
Hugo ten Cate	International Society of Thrombosis and Haemostasis	Council Member	2012-2015	Blood
Ingrid Dijkgraaf	NWO ECHO committee Chemical Sciences/ENW	Member	2018	Blood
Ingrid Dijkgraaf	NWO Veni committee Chemical Sciences/ENW	Member	2016-present	Blood
Jan Bucerius	Cardiovascular Committe German Society of Nuclear Medicine	Member	2015-present	Blood (former Theme III)
Jan Bucerius	Nucleus of the Committee Nuclear Cardiology, German Society of Cardiology	Member	2019	Blood (former Theme III)
Jan Bucerius	German Society of Nuclear Medicine	Member	2003-present	Blood (former Theme III)
Jan Bucerius	German Society of Cardiology	Member	2015-present	Blood (former Theme III)

Scientific committees *Blood*

NAME	SCIENTIFIC BOARD	CHARACTER OF MEMBERSHIP	PERIOD	DIVISION
Jan Bucerius	Dutch Society of Nuclear Medicine (NVNG)	Member	2011-present	Blood (former Theme III)
Joachim Wildberger	Industry Relations Committee European Society of Thoracic Imaging (ESTI)	Chair	2011-2017	Blood (former Theme III)
Joachim Wildberger	Counsellor Executive Committee European Society of Thoracic Imaging (ESTI)	Counselor	2017-2019	Blood (former Theme III)
Joachim Wildberger	Executive Committee European Society of Cardiac Imaging (ESCR)	Member	2014-2017	Blood (former Theme III)
Joachim Wildberger	Dutch Society for Radiology (NVvC), Cardiovascular section	Chair	2011-2017	Blood (former Theme III)
Joachim Wildberger	Board of Recommendation Benelux Chapter of the International Society for Magnetic Resonance in Medicine (ISMRM)	Member	2015-present	Blood (former Theme III)
Joachim Wildberger	Benelux Chapter of Internalional Society of Magnetic Resonanc in Medicine	Member	2015-2018	Blood (former Theme III)
Johan Heemskerk	Landsteiner Foundation for Transfusion Research, Amsterdam	Board member	2011-2017	Blood
Johan Heemskerk	Advisory Board Netherlands Thrombosis Foundation, The Hague	Member	2010-present	Blood
Johan Heemskerk	European Platelet Network EUPLAN, Birmingham, UK	Board member	2011-present	Blood
Johan Heemskerk	International Board of Congresses of the ISTH	Board member	2011-2017	Blood
Johan Heemskerk	International Platelet Committee of the 26th Congress of the International Society on Thrombosis an Haemostasis. Berlin, Germany	Member	2016-2017	Blood
Johan Heemskerk	International Platelet Proteomics Consortium, Dortmund, Germany	Board member	2013-present	Blood
Johan Heemskerk, Judith Cosemans	International Advisory Board 60th Annual Meeting of the German, Austrian and Swiss Society of Thrombosis and Haemostasis Research (GTH)	Member	2015-2016	Blood

Scientific committees *Blood*

NAME	SCIENTIFIC BOARD	CHARACTER OF MEMBERSHIP	PERIOD	DIVISION
Judith Cosemans	ISTH 2013 Platelets Scientific Programme Committee	Member	2011-2013	Blood
Judith Cosemans	Subcommittee on Biorheology of SSC of the International Society on Thrombosis and Hemostasis (ISTH)	Co-chair	2013-present	Blood
Judith Cosemans	Platelets and Megakaryocytes Theme Organising Committee International Society on Thrombosis and Hemostasis (ISTH)	Member	2017-2019	Blood
Judith Sluimer	Dutch Endothelial cell Biology Society (DEBS)	Member	2013	Blood (former Theme III)
Judith Sluimer	Heart Foundation's National Vascular Biology course for PhD-students	Member	2013-2015	Blood (former Theme III)
Judith Sluimer	Grant panel Flanders Scientific organization (FWO) PhD fellowships SBmed02	Member	2016-2017	Blood (former Theme III)
Leon Schurgers	Scientific advisory board Dutch Kidney Foundation	Member	2013-2019	Blood
Leon Schurgers	Scientific advisory board NWO Life Sciences and Health	Member	2014-2018	Blood
Leon Schurgers	Treasurer Dutch Thrombosis Society (NvTH)	Member	2013-2019	Blood
Leon Schurgers	NIGRAM consortium (Dutch Kidney Foundation grant)	Member	2014-2018	Blood
Leon Schurgers	Scientific advisory board Dutch Thrombosis Foundation (TSN)	Member	2017-2027	Blood
Martijn Smulders	Dutch Society for Cardiology (NVvC)	Member	2014-present	Blood (former Theme III)
Rik Moonen	Benelux Chapter of International Society of Magnetic Resonance in Medicine	Member	2016-2019	Blood (former Theme III)
Robert van Oostenbrugge	Dutch Brain Foundation	Member	2015-present	Blood (former Theme III)

Scientific committees *Blood*

NAME	SCIENTIFIC BOARD	CHARACTER OF MEMBERSHIP	PERIOD	DIVISION
Rory Koenen	Nucleus of the Working Group on Atherosclerosis and Vascular Biology of the ESC	Member	2018	Blood
Tilman Hackeng	Scientific Advisory Board Trombosestichting	Chair	2015-present	Blood
Tilman Hackeng	Scientific Advisory Board, Cardiovascular Research in The Netherlands (CVON), The Netherlands Heart Foundation (NHS).	Member	2014-2015	Blood
Tilman Hackeng	Jury of the Martinus van Marum award for Chemistry and Chemical Technology. Royal Holland Society of Sciences and Humanities	Member	2014-2018	Blood
Werner Mess	Neurosonology Research Group of the World Federation of Neurology	Member	2013-2021	Blood (former Theme III)
Wim van Zwam	European Society of Mininimal Invasive Neurological Therapy (ESMINT)	Member	2016-present	Blood (former Theme III)
Wim van Zwam	Stroke Task Force Cardiovascular and Interventional Radiological Society of Europe (CIRSE)	Chair	2018-present	Blood (former Theme III)
Wim van Zwam	European Society of Minimal Invasive Neurological Therapy (ESMINT)	Member	2016-present	Blood (former Theme III)
Yvonne Henskens	Board of the Dutch Society for Clinical Chemistry and Laboratory Medicine (NVKC)	Member	2009-2015	Blood
Yvonne Henskens	Board of the Dutch Society for Hematological Laboratories in The Netherlands (VHL)	Member	2008-present	Blood

Scientific committees *Vessels*

NAME	SCIENTIFIC BOARD	CHARACTER OF MEMBERSHIP	PERIOD
Ilja Arts	Netherlands Bioinformatics and Systems Biology research school (BioSB) Scientific Committee	Member	2017-present
Ilja Arts	Epidemiologic Advisory Board of The Maastricht Study	Member	2016-present
Ilja Arts	Virtual Physiological Human Institute for Integrative Biomedical Research (VPH Institute) - Research Working Group	Member	2016-present
Ilja Arts	Research Foundation Flanders (FWO), panel Health Sciences	Member	2015-2016
Ilja Arts	Management Committee of the COST Action Open Multiscale Systems Medicine (OpenMultiMed) CA15120	Member	2016-present
Ilja Arts	Research Working Group of the Virtual Physiological Human Institute for Integrative Biomedical Research (VPH Institute)	Member	2016-present
Ilja Arts	Dutch Techcentre for Life Sciences (DTL) Scientific Advisory Committee (SAC)	Member	2018-present
Ilja Arts	Diabetes Doorbraakprojecten committee member (collaboration between ZonMW and Diabetesfonds)	Member	2018-present
Ilja Arts	Carbohydrate Competence Centre (CCC) Program Committee	Member	2018-present
Mark Post	FIVES	Chair	2015-present
Mark Post	Dutch Physiological Society	Chair	2011-present
Mark Post	Ductch Lymphangiomatosis Foundation	Member	2015-present
Mark Post	New Harvest	Member	2013-present
Mark Post	Expert group World Economic Forum	Member	2018
Mark Post	World Technology Award (AAAS, Forbes, Time)	Member	2018
Boy Houben	President of the European Society for Microcirculation	Chair	2017-2019
Boy Houben	executive cie of European Society of Microcirculation	Member	2010-present
Boy Houben	netherlands society for Microcirculation and Vascular Biology	Chair	2007-present
Casper Schalkwijk	Member of the Scientific Board of the Dutch Diabetes Research Foundation	Member	2015-present
Casper Schalkwijk	Council member European Association for the Study of Diabetes (EASD)	Member	2015-present
Casper Schalkwijk	President Elect IMARS (International Maillard Reaction Society)	Chair	2018-2020
Coen Stehouwer	Artery Society Council	Member	2008-2014

Scientific committees *Vessels*

NAME	SCIENTIFIC BOARD	CHARACTER OF MEMBERSHIP	PERIOD
Coen Stehouwer	Faculty of 1000	Member	2009-present
Coen Stehouwer	NWO TOP grant committee	Member	2011-present
Coen Stehouwer	Selection Committee member Netherlands Heart Foundation Dr. Dekker stipend Clinical Established Investigator	Member	2012-2015
Coen Stehouwer	SVS scientific commission Belgium	Member	2017
Coen Stehouwer	European Foundation for the Study of Diabetes (EFSD) grant committee	Chair	2017
Coen Stehouwer	European Foundationfor the Study of Diabetes (EFSD) grant committee	Member	2018
Coen Stehouwer	Dutch Health Council (Gezondheidsraad), Nutrition Committee	Member	2018-present
Coen Stehouwer	International Scientific Advisory Board, MRC Unit for Lifelong Health and Ageing at UCL, London	Member	2018
Coen Stehouwer	International Scientific Advisory Danish Diabetes Academy	Member	2018-present
Thomas van Sloten	Young investigator work group of the international Artery Society	Member	2017-present
Martijn Brouwers	Dutch Association for Diabetes Research (NVDO)	Member	2018-present
Bram Kroon	Treasurer of the Netherlands Society of Hypertension (NHV)	Treasurer	2003-present
Bram Kroon	Working group on Hypertension and the Kidney (ESH)	Member	2008-present
Bram Kroon	Working group on Cardiovascular Pharmacology (ESC)	Member	2014-present
Bram Kroon	Working group on Interventional Treatment of Hypertension (ESH)	Member	2016-present
Bram Kroon	Dutch Internists Society (NIV), Vascular Medicine Section	Chair	2015-present
Bram Kroon	Dutch Society for Vascular Internal Medicine (IVG)	Member	2003-present
Bram Kroon	Dutch Society for Vascular Medicine (NVVG)	Vice chair	2010-present
Bram Kroon	European Society of Hypertension (ESH)	Member	1995-present
Bram Kroon	European Council for Blood Pressure and Cardiovascular Research (ECCR)	Member	2000-present
Nicolaas Schaper	Scientific advisory board Dutch Diabetes Fund	Member	2017
Karel Leunissen	ISN (International Society of Nephrology)	Member	2000-present
Karel Leunissen	NFN *(Nederlandse Federeratie Nefrologie)*	Member	2000-present

Scientific committees *Vessels*

NAME	SCIENTIFIC BOARD	CHARACTER OF MEMBERSHIP	PERIOD
Karel Leunissen	Dutch Federation of Diabetes	Chair	2016-present
Boy Houben	President of the European Society for Microcirculation	Chair	2017-2019
Boy Houben	Executive Committee of European Society of Microcirculation	Member	2010-present
Boy Houben	Dutch society for Microcirculation and Vascular Biology	Chair	2007-present
Peyman Sardari Nia	Minimally invasive Task force of European Association for Cardio-Thoracic Surgery (EACTS)	Member	
Peyman Sardari Nia	Transcatheter technique task force of the European Association for Cardio-Thoracic Surgery (EACTS)	Member	2016-2019
Jos Maessen	Dutch Society of Thoracic Surgery	Chair	2014 - 2018
Roberto Lorusso	Member of the Lombardia Regional Council and of the Scientific Committee of the Italian Society for Cardiac Surgery	Member	
Roberto Lorusso	Global Chapter Leader – ELSO Executive Committee	Member	2015-2017

Scientific committees *Heart*

NAME	SCIENTIFIC BOARD	CHARACTER OF MEMBERSHIP	PERIOD
Matthijs Blankesteijn	Dutch Pharmacological Society (NVF)	Member	2015-present
Bas Bekkers	Working Group CT, CMR and Nuclear Cardiology of the Dutch Society for Cardiology (NVvC)	Member	2016-2017
Ben Janssen	Education committee Dutch Pharmacological Society (NVF) and Dutch Society for Clinical Pharmacology & Biopharmacy (NVKFB)	Chair	2012-present
Ben Janssen	Teaching committee (inter)national Pharmacotherapy Test Medicine students	Member	2015-present
Blanche Schroen	Scientific Board Young @ Heart (former Young ICIN)	Member	2013-present
Blanche Schroen	NHS Dekker committee junior postdoc and Physician in specialty training	Member	2013-present
Blanche Schroen	NWO Off Road committee	Member	2016-present
Delhaas	Review Committee FP7 projects	Member	2016-2017
Delhaas	President Scientific Committee 'Cardiac Physiome'	Member	2017-present
Delhaas	Board Member Scientific Advisory Board for GIGA In silico medicine (University of Liège)	Member	2017-2018
Frits Prinzen	Board European Heart Rhythm Association (EHRA)	Member	2014-2017
Frits Prinzen	Innovation Committee Heart Rhythm Association (EHRA)	Chair	2014-2017
Frits Prinzen	Innovation Committee Heart Rhythm Association (EHRA)	Member	2017-present
Gudrun Antoons	Nucleus ESC working group on cellular cardiac electrophysiology	Member	2014-present
Guido Haenen	International Journal of Molecular Sciences's Best Paper Award Committee	Member	2014-present
Guido Haenen	Society for Free Radical Research in Biology and Medicine's Young Investigator Award Committee	Member	2015
Hans-Peter Brunner-La Rocca	Working group of acute heart failure	Member	2014-2018
Hans-Peter Brunner-La Rocca	Board working group heart of the Dutch Society of Cardiology (NVVC)	Member	2014-present
Harry Crijns	Netherlands Heart Foundation	Chair	2014-present
Harry Crijns	Netherlands Heart Institute	Member	2001-present
Harry Crijns	Advisory Council, Dutch Society of Cardiology	Member	2009-present

Scientific committees *Heart*

NAME	SCIENTIFIC BOARD	CHARACTER OF MEMBERSHIP	PERIOD
Harry Crijns	Data Safety Monitoring Board Re-CIRCUIT	Member	2015-present
Harry Crijns	Diploma Advanced Studies Cardiac Arrhythmia Management (DAS-CARIM)	Chair	2015-present
Harry Crijns	Cardiovascular Research Fund, Health Foundation Limburg	Chair	
Jordi Heijman	Nucleus Member of the working group 'Cellular Electrophysiology', German Cardiac Society	Member	2016-present
Jordi Heijman	Scientific Program Committee, Diploma of Advanced Studies - Cardiac Arrhythmia Management (DAS-CAM)	Member	2016-present
Kevin Vernooy	EHRA scientific documents committee	member	2018
Leon de Windt	Selection Committee member Netherlands Heart Foundation Dr. Dekker stipend "Medical Doctor in training to specialist"	Member	2012-2018
Leon de Windt	ZonMW Committee Translationeel Adult Stamcelonderzoek (TAS)	Member	2013-present
Leon de Windt	Member External Scientific Advisory Board - Integrated Research and Treatment Centres (IFB) program, German Federal Ministry of Education and Research (Deutsche Forschungsgemeinschaft). Comprehensive Heart Failure Research Center, University of Wurzburg (Germany).	Member	2016-2017
Leon de Windt	International Review Committee on the Collaborative Research Centre (CRC) 1002 Modulatorische Einheiten bei Herzinsuffizienz - Gottingen, Germany	Member	2016
Leon de Windt	Selection Committee member Princess Beatrix Skeletal Muscle Foundation	Member	2018-present
Lumens	ESC working group on eCardiology	Member	Since 2015
Lumens	ESC working group on eCardiology	Chair elect	2016-2018
Lumens	ESC working group on eCardiology	Chair	2018-2020
Lumens	EHRA Board (Eur. Heart Rhythm Association)	board member (Ex-Officio)	Since 2018
Lumens	Computing in Cardiology	board member (Ex-Officio)	Since 2018
Lumens	Digital Health Committee of the ESC	liaison officer for the official ESC Working Groups	Since 2018
Marc van Bilsen	ZonMW Veni Committee	Member	2012-2016

Scientific committees *Heart*

NAME	SCIENTIFIC BOARD	CHARACTER OF MEMBERSHIP	PERIOD
Marc van Bilsen	Review committee, Institute for Molecular Life Sciences, Nijmengen University	Member	2014
Paul Volders	Executive Board, EHRA, European Heart Rhythm Association, Nice, FR	Member	2011-2017
Paul Volders	EWGCCE, ESC Working Group on Cardiac Cellular Electrophysiology, Nice, FR	Chair	2012-2014
Paul Volders	Nucleus, EWGCCE, ESC Working Group on Cardiac Cellular Electrophysiology, Nice, FR	Member	2014-2016
Paul Volders	Board Hein Wellens Foundation, Maastricht, NL	Member	2014-present
Paula da Costa Martins	NWO ALW grant Committee	Member	2014-present
Paula da Costa Martins	NWO Rubicon grant Committee	Member	2015-present
Sander Verheule	Mines Society	Chair	2016-present
Stephane Heymans	Committee of Diastolic Heart Failure, European Heart Failure Association	Nucleus member	2010-2014
Stephane Heymans	Committee of Translational Research of the European Heart Failure Association of the ESC	Chair	2014-2018
Stephane Heymans	Board member of the European Heart Failure Association	Member	2014-present
Stephane Heymans	Working group of Myocardial Function of the European Society of Cardiology	Chair	2015-2018
Stephane Heymans	Executive committee of the HFA of the ESC	Chair of Basic/Translation science section	2018-2020
Uli Schotten	Executive Board of the German Network of Competence Atrial Fibrillation (AFNET), AFNET acts as sponsor for translational and clinical trials, annual financial turn over is >10Mio€.	Member	2014-present
Uli Schotten	Steering committe of the German Network of Competence Atrial Fibrillation (AFNET)	Member	2011-present
Uli Schotten	Nucleus of the Working Group for Cellular Electrophysiology of the German Society of Cardiology	Member	2008-2015
Uli Schotten	Nucleus of the Working Group for Cellular Electrophysiology of the German Society of Cardiology	Chair	2010-2014
Vanessa van Empel	Working group on Coronary Pathophysiology & Microcirculation	Member	2019-present

Edditorial boards *Blood*

NAME	JOURNAL	CHARACTER OF MEMBERSHIP	PERIOD	DIVISION
Aaron Isaacs	Frontiers in Cardiovascular Medicine	Editor	2014-present	Blood
Bas Bekkers	Netherlands Heart Journal	Editor	2016-2017	Blood (former Theme III)
Bas Kietselaer	Netherlands Heart Journal	Editor	2014-present	Blood (former Theme III)
Casper Mihl	CVIR	Member	2015	Blood (former Theme III)
Casper Mihl	ESGAR - European Radiology	Member	2016	Blood (former Theme III)
Chris Reutelingsperger	JACC Cardiovascular Imaging	Member	2014-2015	Blood
Chris Reutelingsperger	JACC Cardiovascular Imaging	Guest editor	2014-2020	Blood
Chris Reutelingsperger	J Immunol Methods	Member	2014-2020	Blood
Christian Weber	Thrombosis Haemostasis	Editor	2010-present	Blood
Christian Weber	Arterioscler Thromb Vasc Biol	Editor	2012-present	Blood
Christian Weber	Molecular Mechanism	Editor	2012-present	Blood
Christian Weber	Circulation Research	Guest editor	2010-present	Blood
Christian Weber	Eur Heart Journal	Member	2009-present	Blood
Christian Weber	Basic Res Cardiol	Member	2009-present	Blood
Christian Weber	EMBO Mol Med	Member	2011-present	Blood
Christian Weber	Cardiovasc Res	Member	2012-present	Blood
Dietbert Neumann	International Journal of Molecular Sciences	Guest Editor	2017-present	Blood (former Theme III)
Dietbert Neumann	Frontiers in Physiology	Review Editor	2011-present	Blood (former Theme III)
Dietbert Neumann	Methods in Molecular Biology	Guest Editor/Book	2017-2018	Blood (former Theme III)
Dietbert Neumann	World Journal of Biological Chemistry	Member	2009-2014	Blood (former Theme III)
Erik Biessen	Atherosclerosis	Editor	2016-present	Blood (former Theme III)
Gerry Nicolaes	World Journal of Haematology	Editor	2012-present	Blood

Edditorial boards *Blood*

NAME	JOURNAL	CHARACTER OF MEMBERSHIP	PERIOD	DIVISION
Gerry Nicolaes	Thrombosis and Haemostasis: Research	Editor	2017-present	Blood
Henri Spronk	Thrombosis Journal	Associate editor		Blood
Hugo ten Cate	Thrombosis Journal	Editor	2008-present	Blood
Hugo ten Cate	Thrombosis and Haemostasis	Editor	2012-2017	Blood
Hugo ten Cate	PLOS One	Editor	2012-present	Blood
Hugo ten Cate	Frontiers Cardiovasc Res	Guest editor		Blood
Joachim Wildberger	Member of the "Redaktionskomitee" of RöFo	Member	2006-present	Blood (former Theme III)
Joachim Wildberger	Investigative Radiology	Member	2008-present	Blood (former Theme III)
Joachim Wildberger	Insights to Imaging	Member	2012-2014	Blood (former Theme III)
Joachim Wildberger	European Radiology	Member	2013-2015	Blood (former Theme III)
Joachim Wildberger	Chair European Radiology - Section Computed Tomography	Editor	2014-2017	Blood (former Theme III)
Joachim Wildberger	Chinese Journal of Academic Radiology	Scientific Editorial Board Member	2018-present	Blood (former Theme III)
Joachim Wildberger	Tijdschrift voor Nucleaire Geneeskunde	Member Advisory Board	2018-present	Blood (former Theme III)
Johan Heemskerk	Journal of Thrombosis Haemostasis	Associate editor	2011-2017	Blood
Johan Heemskerk	Cardiovasc. Hematol. Agents Medic. Chem.	Member	2009-2013	Blood
Judith Cosemans	Journal of Cellular and Molecular Bioengineering	Member	2018-present	Blood
Judith Sluimer	Molecular Cardiology, Frontiers in Cardiovascular Medicine	Member	2015-present	Blood (former Theme III)
Leon Schurgers	Frontiers in Cardiovascular Medicine	Associate editor	2016-present	Blood
Marc van Zandvoort	PLOS One	Editor	2011-present	Blood (former Theme III)
Monika Stoll	PLOS One	Editor	2011-2014	Blood
Monika Stoll	Frontiers in Cardiovascular Medicine	Editor	2014-present	Blood

Edditorial boards *Blood*

NAME	JOURNAL	CHARACTER OF MEMBERSHIP	PERIOD	DIVISION
Rory Koenen	Frontiers in Cardiovascular Medicine	Associate Editor of Molecular Cardiology,	2015	Blood
Rory Koenen	American Journal of Pharmacology and Toxicology	Scientific editor	2014	Blood
Rory Koenen	American Journal of Blood Research	Scientific editor	2013	Blood
Rory Koenen	Thrombosis & Haemostasis	Associate editor	2017-present	Blood
Tilman Hackeng	Thrombosis and Haemostasis	Section editor	2015-present	Blood
Tilman Hackeng	Thrombosis Journal	Associate editor	2013-2015	Blood
Wim van Zwam	Neuroradiology	Editorial board	2018-present	Blood (former Theme III)

Edditorial boards *Vessels*

NAME	JOURNAL	CHARACTER OF MEMBERSHIP	PERIOD	DIVISION
Boy Houben	Microcirculation	Member	2016-present	Vessels
Casper Schalkwijk	Diabetologia	Co-editor	2011-2015	Vessels
Casper Schalkwijk	Diabetologia	Member advisory board	2015-present	Vessels
Casper Schalkwijk	Clinical Science	Member editorial advisory panel	2009-present	Vessels
Casper Schalkwijk	International Journal of Molecular Sciences	Guest editor	2017	Vessels
Coen Stehouwer	Hypertension	Editor	2004-2016	Vessels
Coen Stehouwer	Netherlands Journal of Medicine	Editor	2005-present	Vessels
Coen Stehouwer	Journal of Diabetes and its Complications	Editor	2012-present	Vessels
Coen Stehouwer	Lancet Diabetes Endocrinology	Editor	2015-present	Vessels
Coen Stehouwer	Journal Clinical Endocrinology and Metabolism	Editorial Board	2018-present	Vessels
Ilja Arts	BMC Systems Biology	Guest editor	2017-present	Vessels
Jan Tordoir	Journal of Vascular Access	Editor	2013-present	Vessels
Kristiaan Wouters	Atherosclerosis	Member	2017-present	Vessels
Mark Post	Cardiovascular Research	Guest editor	2007-2018	Vessels
Mark Post	Frontiers in Sustainable Food Systems	Guest editor	2017-2018	Vessels
Marleen van Greevenbroek	Atherosclerosis	Associate editor	2014-present	Vessels
Michael Jacobs	Aorta	Editor	2013-present	Vessels
Peyman Sardari Nia	European Journal of Cardiothoracic Surgery	Assistant editor	2010-2014	Vessels
Peyman Sardari Nia	European Journal of Cardiothoracic Surgery	Associate Editor	2015-present	Vessels
Roberto Lorusso	Interntional Journal of Cardiology	Associate Editor	2006-present	Vessels
Sandro Gelsomino	ANMCO - Cardiothoracic Surgery	Member	2016-present	Vessels

Edditorial boards *Heart*

NAME	JOURNAL	CHARACTER OF MEMBERSHIP	PERIOD	DIVISION
Bas Bekker	Netherlands Heart Journal	Editor	2016-2017	Heart
Bas Kietselaer	Netherlands Heart Journal	Editor	2014-present	Heart
Ben Janssen	Am. J. Physiol - regulatory, integrative and comparative physiology	Member	2004-persent	Heart
Blanche Schroen	PLOS One	Academic editor	2019-present	Heart
Christian Knackstedt	Journal of Biomedical Graphics and Computing	Member	2011-present	Heart
Christian Knackstedt	Journal of Cardiology and Therapy	Member	2014-present	Heart
Frits Prinzen	J. Translationaal Cardiovasc. Research	Member	2013-present	Heart
Frits Prinzen	Europace	Member	2013-present	Heart
Gudrun Antoons	Frontiers of Cardiac Electrophysiology	Editor	2010-present	Heart
Guido Haenen	International Journal of Molecular Sciences	Editor-in-Chief	2011-present	Heart
Guido Haenen	Oxidative Medicine and Cellular Longevity	Member	2013-present	Heart
Guido Haenen	International Journal of Phytocosmetics and Natural Ingredients	Member	2015-present	Heart
Hans-Peter Brunner-La Rocca	European Heart Jorunal	Member	2010-present	Heart
Hans-Peter Brunner-La Rocca	EPMA Journal	Member	2015-present	Heart
Harry Crijns	Cardiovascular drugs and therapy	Member	2003-present	Heart
Harry Crijns	European Heart Journal	Member	2010-present	Heart
Harry Crijns	Acta Cardiologica	Member	2014-present	Heart
Harry Crijns	Journal of Atrial Fibrillation	Member	2007-present	Heart
Harry Crijns	Hellenic Journal of Cardiology	Member	2004-present	Heart
Harry Crijns	Europace	Member	2004-present	Heart
Joost Lumens	Netherlands Heart Journal	Associate Editor	2017-present	Heart
Jordi Heijman	Naunyn Schmiederberg's Arch Pharmacol	Member	2016-present	Heart
Jordi Heijman	International Journal of Cardiology - Heart & Vasculature	Associate editor	2017-present	Heart

Edditorial boards *Heart*

NAME	JOURNAL	CHARACTER OF MEMBERSHIP	PERIOD	DIVISION
Kevin Vernooy	Netherlands Heart Journal	Editor	2014-present	Heart
Kevin Vernooy	Netherlands Heart Journal	Editor	2014-present	Heart
Koen Reesink	Pulse wave analysis; Physiological Measurement, IOP publishing	Guest editor	2017	Heart
Leon de Windt	American Journal of Physiology-Heart & Circ	Editor	2010-present	Heart
Leon de Windt	Cardiovascular Research	Member	2006-present	Heart
Leon de Windt	Journal of Molecular and Cellular Cardiology	Member	2009-present	Heart
Leon de Windt	European Journal of Heart Failure	Member	2008-present	Heart
Leon de Windt	International Journal of Cardiology - Heart & Vasculature	Member	2014-present	Heart
Leon de Windt	International Journal of Cardiology	Editor	2008-2013	Heart
Leon de Windt	Circulation research	Member	2009-2015	Heart
Leon de Windt	PLOS One	Editor	2010-2013	Heart
Leon de Windt	Non-coding RNA Research	Editor	2016-present	Heart
Leon de Windt	Biochem Pharmacol	Editor	2016-present	Heart
Marc van Bilsen	Acta Physiologica	Member	2007-present	Heart
Matthijs Blankesteijn	Fibrogenesis and Tissue repair	Member	2012-present	Heart
Paula da Costa Martins	PLOS One	Editor	2012-present	Heart
Paula da Costa Martins	American Journal of Physiology-Heart & Circ	Member	2014-present	Heart
Paula da Costa Martins	Cardiovascular Research	Member	2015-present	Heart
Sander Verheule	Frontiers of Cardiac Electrophysiology	Editor	2010-present	Heart
Stephane Heymans	Circulation	Guest editor	2017-present	Heart
Stephane Heymans	Journal of American College of Cardiology	Guest Editor	2018-present	Heart
Tammo Delhaas	Pediatric Cardiology	Member	2012-present	Heart
Uli Schotten	Europace	Member	2007-present	Heart

Spin-offs

NAME OF THE COMPANY	COMPANY PROFILE	YEAR OF ESTABLISHMENT
ACS Biomarker BV	ACS Biomarker is a medical diagnostics company delivering biomarker discovery and validation services to academic and industrial partners. The company has a track-record in biomarker research. Our first discovery was Galectin-3, an FDA approved biomarker for heart failure, now available in the clinic. ACS Biomarker was founded at Maastricht University and is now located on the premises of the Academic Medical Center (AMC) in Amsterdam and our team works closely together with AMC researchers and clinicians. Our lab is equipped with highly advanced infrastructure for conducting RNA and protein biomarker studies. We performed over 400.000 measurements for a variety of national and international research groups. Next to RNA isolation and RNA profiling, we offer customized data analysis support. Founded by Prof. Yigal Pinto, Prof. Tilman Hackeng, Drs Marcel Kannekens, and Prof. Mat Daemen.	2007
C2T	Cell2Tissue B.V. is a Maastricht University startup that develops technological platforms based on tissue engineering principles. Applications vary from food to regenerative medicine products. The CEO is Prof. Mark Post.	2016
Cartesio Therapeutics Inc.	The inflammatory paradigm for the pathogenesis of atherosclerosis has been validated by the CANTOS trial, providing proof-of-concept that anti-inflammatory therapy with anti-IL-1β cytokine antibody reduces cardiovascular event rates but also featuring adverse effects. In this context, Cartesio Therapeutics Inc. is a Dutch start-up company, which aims to develop small molecule inhibitors more specifically targeting vascular inflammation without side effects, namely by interfering with TNF receptor-associated factors (TRAFs) in cytokine signalling, for late pre-clinical and early clinical trials and eventually for clinical application. Cartesio Therapeutics Inc. is based on intellectual property granted to LMU Munich and Maastricht University and has been founded by Dr Esther Lutgens, Dr Gerry Nicolaes, Prof. Christian Weber, Dr Dorothee Atzler, and Dr Peter Ekhart.	2018
Coagulation Profile BV	Coagulation Profile BV offers a wide variety of assays to assess the 'Coagulation Profile' of a person. Assays range from classical methods such as the prothrombin time (PT) and activated partial thromboplastin time (aPTT) to chromogenic antigen and enzyme activity assays, as well as to tailor-made thrombin generation assessment and modifications thereof. Coagulation Profile BV is specialised in custom based coagulation assays and provides services for the modification of existing methods, as well as for the development of novel assays. Alterations in components of the coagulation system can result in either bleeding or thrombotic disorders. The 'Coagulation Profile' of an individual can therefore be defined as an overall potential or capacity to form a fibrin clot. Its facilities are ISO 9001 certified and Coagulation Profile BV has an extensive portfolio in performing analyses in a research setting and in support of phase I, II, and III clinical trials. Coagulation Profile BV was founded by Prof. Hugo ten Cate, Prof. Leon Schurgers, Dr Henri Spronk, Rene van Oerle, Stella Thomassen, and Prof. Tilman Hackeng	2018
FABPulous	FABPulous develops ultra-rapid point-of-care diagnostic tests, which can be used in the first line medical care for the determination of acute tissue injury. These tests provide rapid and accurate diagnosis and benefit both the patient (live-saving) as well as the healthcare sector, the insurance industry, governments and society in general (cost-saving).	2008
FlowChamber	FlowChamber (FLC) is a Maastricht UMC+ spin-off company and aims to rapidly assess haemostasis with high accuracy. FLC enables researchers to understand the origin of deficiencies in the blood clotting process. Clinicians are able to choose the most effective intervention in case a patient has a risk on blood loss. FLC's innovative flow chamber technology is developed by the CARIM Department of Biochemistry, and assesses blood platelet function and coagulation status at the same time under physiological circumstances.	2017

Spin-offs

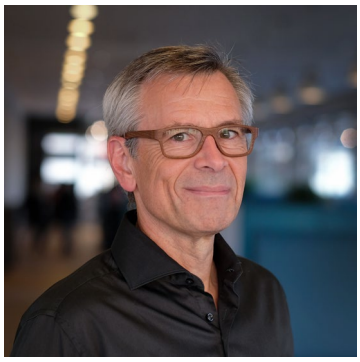
NAME OF THE COMPANY	COMPANY PROFILE	YEAR OF ESTABLISHMENT
Glycocheck BV	Glycocheck BV has developed a unique software platform to detect, measure and monitor online the Glycocalyx layer under the tongue. GlycoCheck BV develops market worldwide clinical relevant imaging solutions based on a 'on line' measurement of the Glycocalyx layer. Products of GlycoCheck BV are unique and designed to be used by healthcare professionals for the accurate, reliable and non-invasive selection, detection and monitoring of cardiovascular patients. Solutions will be based on specific applications of our technology in hospital departments like internal medicine and cardiology.	2010
Matisse Pharmaceuticals BV	Researchers of Maastricht University have discovered a new potential pharmacological treatment of sepsis. This promising treatment limits the complications of bacterial infections and provides more time for combatting the infection itself. This may significantly increase patients' chances of survival. The pharmacological treatment has been tested in preclinical research with positive results. Matisse Pharmaceuticals B.V., a spin-off from the Basic Pharma Group, will develop the new medicine further and will test its therapeutic efficacy and safety in clinical trials. Mattisse has obtained an exclusive license from the Maastricht University to market the medicine world-wide.	2014
Mirabilis BV	Mirabilis Therapeutics (Prof. Leon de Windt) is a drug development company dedicated to the discovery and development of innovative products in the field of cardiovascular diseases. Our front running product is an antisense oligonucleotide indicated against heart failure. Mirabilis Therapeutics has established in vivo proof of concept for its three most advanced antisense oligonucleotides and multiple follow-on products under evaluation. All this is based on a strong technology and IP position. Mirabilis Therapeutics is focussed on developing microRNA therapeutics, drugs that target aberrantly expressed microRNAs in disease areas of high-unmet medical need. By regulating microRNA function, the use of antisense oligonucleotides as microRNA inhibitors for the treatment of cardiovascular diseases produces therapeutically beneficial results by restoring proper target gene regulation. Since current heart failure pharmacotherapy only has a marginal impact on long-term prognosis of the disease, there is both room and need for the development of innovative bio-therapeutics. Development of microRNA-modulating drugs also requires optimization of their chemical and pharmacological properties. Mirabilis Therapeutics scientists have vast experience in pharmacologically modulating microRNAs using oligonucleotides, pre-clinical and clinical development, formulation and regulatory affairs.	2015
MirNext BV	MirNext is a spin-off company of ACS Biomarker. It develops prognostic microRNA biomarkers for heart failure.	2012
MosaMeat	MosaMeat is a Maastricht University startup aiming to commercialise cultured meat. The CEO is Peter Verstrate and the CSO is Prof. Mark Post. The company currently has 24 employees and had series A funding (7.5 M€) to improve and scale up production of cultured meat. Cultured meat is essentially tissue engineering but for food purposes. Bovine satellite cells are harvested through a biopsy, expanded and through self-assembly turned into muscle fibers. Adipose tissue derived stem cells are derived in the same way and differentiated into fat tissue. In a hamburger the two are combined. Research and development include maximising muscle protein expression and fat expression, optimising serum-free media for proliferation and differentiation of muscle and fat stem cells, scaling up cell production, increasing the stemness of satellite cells, and automation of tissue production. The aim is to culture meat in a serum-free and antibiotics-free condition, without any animal components except for the cells.	2016

Spin-offs

NAME OF THE COMPANY	COMPANY PROFILE	YEAR OF ESTABLISHMENT
Pharma Target BV	Pharma Target BV aims to accelerate the drug development process by offering its products and services with regard to molecular imaging and the Annexin A5 technology.	2002
Qorium BV	Qorium BV is a Maastricht University spin-off that develops leather through culturing bovine skin cells. Leather is –mostly bovine- skin collagen that is laid down by dermal skin fibroblast in a specific orientation. Although it is a by-product of beef, leather in itself is a desired product that will keep livestock agriculture at a high level even when beef consumption would come down or if beef production no longer requires large scale livestock, such as in cultured beef. Hides are tanned to form leather. Tanning is a chemically intensive procedure that further adds to the environmental impact of leather. By adopting and further developing large scale mammalian cell culture technology, and through innovative tissue engineering technology, leather can be produced in an ethical and environmentally friendly manner. The company was founded by Maastricht University, Rutger Ploem and Stef Kranendijk (both CEO of Qorium). The technology is developed at the Department of Physiology. Prof. Mark Post is CSO of Qorium.	2015
Synapse BV	Synapse BV carries out developmental research in the field of the (patho-)physiology of haemostasis and thrombosis, operating in the niche between biochemistry and molecular biology on the one side, and pharmaceutical- and clinical sciences on the other. It more specifically explores the overall function of the thrombin generating system in platelet poor- and platelet rich plasma and blood as a diagnostic tool and a pharmaceutical target.	2009 member of the STAGO Diagnostica Group
VitaK	VitaK is a research company specialised in discovering new functions for vitamin K, developing food supplements and health food containing new formulations of vitamin K in combination with other vitamins, minerals and trace elements. VitaK develops new assays to specifically assess the vitamin K status in liver, bone, cartilage and vascular tissue. One aspect of the latter line is diagnostics based on circulating MGP, which is a patented system to monitor cardiovascular disease via biochemical markers in blood.	2000-2018
YourRythmics	In 2016, the spin-off YourRhythmics BV was founded by Prof. Uli Schotten. YourRhythmics develops hard- and software solutions for non-invasive characterisation of cardiac electrical activity, particularly atrial fibrillation. The vision of the company (CEO Patric Machiels) is to contribute to individualised therapy of cardiac arrhythmias by improving non-invasive identification of ablation targets and improvement in patient selection.	2016

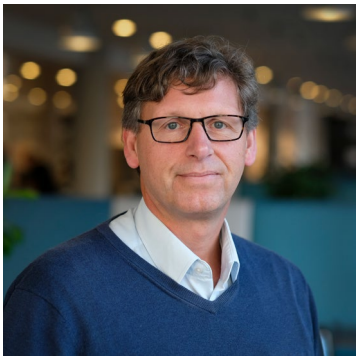
Biosketches PIs

Prof. Bram Kroon, Internal Medicine, Division Vessels



Bram Kroon is Professor of Vascular Medicine and Chair of the section of Vascular Medicine of the Department of Internal Medicine at Maastricht UMC+ in Maastricht, and since 2013 Principal Investigator in the CARIM programme 'Vascular complications of diabetes and hypertension' with a special focus on hypertension and arterial stiffening. Bram (A.A.) Kroon (born Geleen, 1959) obtained an MD at the Radboud University in Nijmegen (1984). He was registered as internist in 1990, and obtained a PhD in 1996 (Radboud University Medical Center, Nijmegen). In 2010, he accepted the position as Chair of the section of Vascular Medicine, a subdivision of the Department of Internal Medicine. In 2016, he was appointed Professor of Vascular Medicine. Nationwide, he holds the Chair of educational board for Vascular Medicine specialists and is member of the Concilium Medicinae Internae since 2015. He is a board member of the European Society of Hypertension (ESH) Working Group of Intervention Treatment of Hypertension and a member of the ESH Working Group of Hypertension and the Kidney.

Prof. Coen Stehouwer, Internal Medicine, Division Vessels



Coen Stehouwer is Professor of Internal Medicine and Chair of the Department of Internal Medicine at Maastricht UMC+, and Principal Investigator at CARIM (since 2004). Coen (C.D.A) Stehouwer (born Rotterdam, 1960) obtained a MD at the Erasmus University in Rotterdam (1985; cum laude). He was registered as internist in 1990 and obtained a PhD in 1992 (Vrije Universiteit Medical Centre, Amsterdam). He received postgraduate training in epidemiology and molecular biology. In 2000, he was appointed Professor of Internal Medicine and vice-chair of the Department of Internal Medicine at the Vrije Universiteit in Amsterdam. In 2004, he accepted a position as Professor of Internal Medicine and Chair of the Department of Internal Medicine at Maastricht University. His work is well-recognised as shown by an H-index of 110 (Web of Science) and >52,000 citations.

Prof. Chris Reutelingsperger, Biochemistry, Division Blood

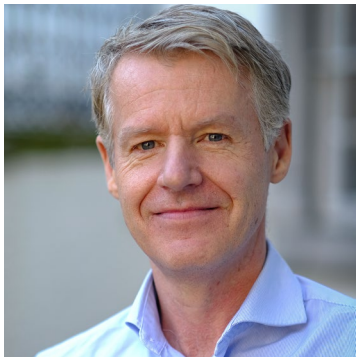
Chris Reutelingsperger is Professor of Biochemistry of Apoptosis. He studied Biochemistry at the University of Utrecht. In 1985, he discovered annexin A5 as an anticoagulant from human tissue (Vascular AntiCoagulant). He defended his thesis 'Vascular anticoagulant, a novel anticoagulant mechanism' in 1987. He was awarded the five-year Senior Fellowship of the Royal Dutch Academy of Sciences (KNAW) in 1987, and spent his postdoc-time at the Boehringer Ingelheim Institute für Arzneimittelforschung in Vienna, where he cracked the genetic code of annexin A5. In 1992, he discovered and developed the annexin A5-affinity-assay to measure apoptotic cells. His seminal 1995 paper describing the assay, has been cited over 5,400 times (source Scholar Google). He is (co)-author over 200 peer-reviewed papers with > 28,500 citations and H-index of 57. He is (co-)inventor of 12 granted patents and CSO of PharmaTarget, a biotech company which he co-founded in 2006. Since 2008, he is chairman of the Board of Euregional PACT, a cross-border Virtual Research Laboratory of the Flanders-Netherlands region. He was President of the 8th International Conference on Annexins (9-11 September 2015, Maastricht). Currently, he chairs the Scientific Advisory Board of Matisse Pharmaceuticals (the Netherlands), a biotech company developing therapeutic drugs to treat sepsis.

Biosketches PIs

Prof. Christian Weber, Biochemistry, Division Blood

Christian Weber is the Chair in Vascular Medicine and the Director of the Institute for Cardiovascular Prevention at Ludwig-Maximilians-University (LMU) Munich, Germany, and Van de Laar Visiting Professor at CARIM. After graduating and completing his training in internal medicine at LMU and Harvard Medical School, Boston, he was board-certified in clinical cardiology and appointed as a Chair in Molecular Cardiology at RWTH Aachen University. He is the Spokesman of the DFG Collaborative Research Centre SFB1123 and coordinates the partner site Munich Heart Alliance in the German Centre for Cardiovascular Research (DZHK). Among numerous awards, he is a double ERC Advanced Investigator Grant recipient and named Clarivate Analytics Highly Cited Researcher with more than 560 publications, an H-index of 93 and >33,000 citations (Scopus). He serves as the Editor-in-Chief of Thrombosis & Haemostasis, Senior Associate Editor of Arteriosclerosis, Thrombosis & Vascular Biology and co-founder of Carolus Therapeutics Inc. and Cartesio Therapeutics Inc.

Prof. Erik Biessen, Pathology, Division Blood



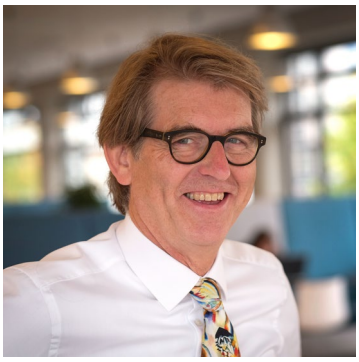
Erik Biessen graduated in 1989 at Groningen University in Biophysical Chemistry (Prof. G.T. Robillard), to become by postdoc in the labs of Prof. Van Boom (Bioorganic Chemistry, Leiden University) and Prof. Th.J.C. Van Berkel (Division of Biopharmaceutics, Leiden University). He was elected Established Investigator in 2001 (NHS Molecular Cardiology Programme) and in 2004 (personal fellowship) and received the innovational research incentive premium of the NWO in 2001 (Vidi/Vici precursor). Prof. Biessen was appointed Professor in Therapeutic Gene Modulation at Leiden University in 2005. Since 2007, he is heading the Experimental Vascular Pathology group of CARIM, and since 2015 he has a part-time affiliation at the Institute for Molecular cardiovascular research of RWTH Aachen. Prof. Biessen is or has been board member of NHS-CVON (2010-2013), the Dutch Atherosclerosis Society (>2008), the ZonMw TOP grant committee, the Expert panel of FWO & IWT (Belgium). He is scientific adviser of VantageView (St Louis, USA), and assistant editor of Cardiovascular Research (2017-now). His work, with over 200 publications and > 10 patents, is well-recognised (H-index = 48; >12,000 citations).

Prof. Frits Prinzen, Physiology, Division Heart

Frits Prinzen is Professor of Physiology. He studied Medical Biology in Utrecht and defended his PhD in Maastricht in 1982. His research focusses on the relation between the electrical activation and mechanical contraction and pump function of the heart, with specific application to pacemaker therapies in heart failure. His work is highly translational, ranging from preclinical to clinical research and more recently also using computer simulations. Results from his work provided new insights in and opportunities for pacemaker therapies. He has participated in the CTMM-COHFAR consortium and has been and is work package leader in several EU-funded projects, including an International Training Network (Personalized in silico Cardiology). Several of his team members achieved personal grants (ZonMw Veni, Vidi, Clinical Fellow; Dutch Heart Foundation Junior and Senior Postdoc; Young Staff Member). Besides, he ran multiple investigator-initiated studies that were funded by industry. He has been chairman of the Cardiovascular System Dynamics Society and of the Innovation Committee of the European Heart Rhythm Association (EHRA). Currently he is member of the Scientific Initiatives Committee of EHRA. He is (co-)author on 280 scientific articles, with 7,740 citations and an H-index of 50.

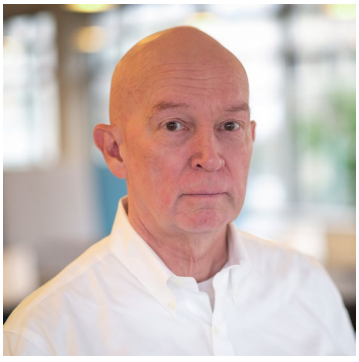
Biosketches PIs

Prof. Harry Crijns, Cardiology, Division Heart



Harry Crijns is Professor and chair of Cardiology and board member of CARIM. He studied medicine at the University of Amsterdam and trained in cardiology and electrophysiology in Groningen and Maastricht. He is a Fellow of the ESC and a past board member of the EHRA. He is also past Chair of the Netherlands Society of Cardiology. He served on several guidelines committees for the management of AF. Currently he is the chairman of the scientific advisory board of the Dutch Heart Foundation. His primary research focus continues to be atrial fibrillation (AF). He founded the RACE trials in the Netherlands and led the Euro Heart Survey on AF (ESC). He has established his reputation by introducing innovative concepts for diagnosis and treatment of AF by showing that - quite contrary to longstanding beliefs - electrical management does not change prognosis. This revolutionised management of the arrhythmia worldwide with the effect that major interventions like electrical cardioversion, catheter ablation and antiarrhythmic drug therapy are applied in a much more personalised fashion. Subsequently his group showed that rate control in AF can be individualised thereby removing the previously used strict heart rate targets from the international guidelines. He also performed the Euro Heart Survey on AF and made many contributions to the field of stroke management in AF, such as the construction of well-recognized AF specific risk stratification scores for AF progression (HATCH), ischemic stroke (CHA2DS2-VASc) and major bleeding (HAS-BLED). These scores have practically conquered the medical AF community and improved patient care whilst boosting new clinical research throughout the world. His research group now focuses on recent-onset AF, hybrid AF ablation, upstream therapy and vascular mechanisms for AF progression and stroke in idiopathic atrial fibrillation. He is (co-)author on over 650 scientific articles, with 56,677 citations and an H-index of 100.

Prof. Hugo ten Cate, Internal Medicine, Division Blood



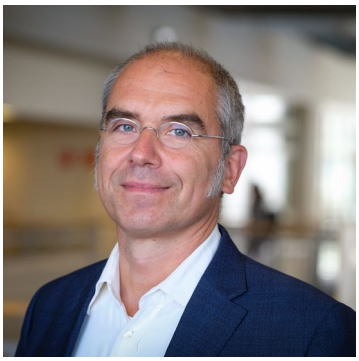
Hugo ten Cate graduated in Medicine at the University of Amsterdam in 1987. The title of his PhD thesis was 'Clinical and experimental studies with a low molecular weight heparinoid'. Prof. Hugo ten Cate had his postdoctoral training at the laboratory of Prof. Robert Rosenberg and Dr Kenneth Bauer at the Beth Israel Hospital and Harvard Medical School Boston on mechanisms of inflammation associated coagulation activity (1988-1990). He completed his internal medicine training in 1996, and became a general internist in conjunction with research at Academic Medical Center (laboratory of Experimental Internal Medicine, Prof. Pieter Reitsma). He received a Clinical Established Investigator grant from the Dutch Heart Foundation in 1998. In 2002, Prof. ten Cate was appointed Professor of Clinical Thrombosis and Haemostasis at CARIM. In addition, Prof. ten Cate was appointed adjunct professor at the Center for Thrombosis and Haemostasis (CTH) at Gutenberg University Medical Center, Mainz, Germany in 2017is Chair of the board of Dutch Federation of Anticoagulation clinics (FNT), editor in chief of the open access online Thrombosis Journal and editorial board member of ATVB, JTH, TH (section editor) and PlosOne (Academic Editor). He published 422 refereed articles and has an H-index of 55 (WoS).

Biosketches PIs

Prof. Ilja Arts, Epidemiology, Division Vessels

Ilja C.W. Arts is Professor of Molecular Epidemiology of Chronic Diseases at Maastricht University, Scientific Director of the Maastricht Centre for Systems Biology (MaCSBio), and Principal Investigator at CARIM. She focusses on the integration of omics and complex phenotypic data from epidemiological studies using systems biology approaches in the fields of cardiovascular and metabolic disease. She obtained a PhD in Human Nutrition (Wageningen, 2001), an MSc in Epidemiology (Rotterdam, 2000), and a MSc in Human Nutrition and Health (Cum Laude; Wageningen 1994). Prof. Arts has generated over 5.7 M€ competitive funding as applicant or co-applicant to her personal CV. Funders include NWO, ZonMW, Public Private Partnerships, EU Horizion 2020, Province of Limburg. She has so far published 89 peer reviewed scientific papers in international journals, and has a Thomson Web of Science H-index of 34. Prof. Arts is a member of the board of the Netherlands Bioinformatics & Systems Biology research school BioSB, member of the Scientific Advisory Committee of the Dutch Techcentre for Life Sciences (DTL), and is a board member for the NWO Domain Science (ENW).

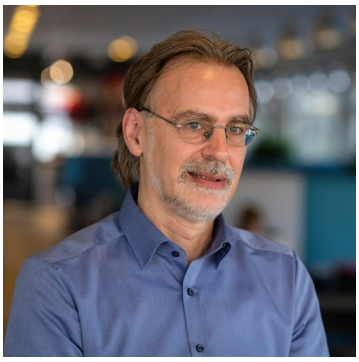
Prof. Joachim Wildberger, Radiology, Division Blood



Joachim Ernst Wildberger is full Professor of Radiology and Chairman of the Department of Radiology and Nuclear Medicine at Maastricht UMC+. In addition, he serves as Director of the Division of Clinical Imaging and Diagnostic Laboratories at Maastricht UMC+. Graduated at the Rhenian-Westphalian Technical University (RWTH) in Aachen, Germany, he received his medical degree in 1994 from RWTH. After internships in Cardiology and Diagnostic Radiology (Mönchengladbach/ Leipzig), he started his residency in Diagnostic Radiology at the University Hospital Aachen. He was board certified for Diagnostic Radiology in December 1998 and became a fellow/staff member at this department thereafter. He received his PhD in Radiology in 2002, was appointed as vice-chairman of the department in 2006 and received a professorship at the RWTH Aachen in 2007. In July 2007, he became Head of Department, Diagnostic Radiology, HELIOS Klinikum Berlin-Buch, Charité Berlin, Campus Buch, Germany, before moving to his present position in July 2008. Joachim E. Wildberger is Principial Investigator at CARIM since 2008, and chair of the imaging cluster within Maastricht University; Faculty of Health, Medicine and Life Sciences (since 2008). He is author and co-author of more than 350 scientific papers in peer-reviewed international journals. His H-index is 45 (Web of Science) and 59 (Google Scholar), respectively. His main research topics are technical developments and functional imaging in computed tomography, contrast media research, cardiac imaging as well as image-guided interventions.

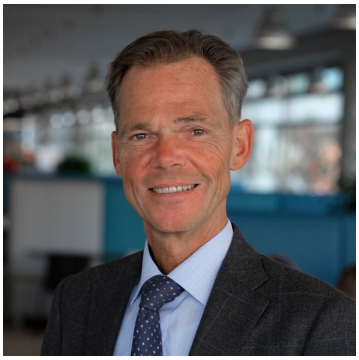
Biosketches PIs

Prof. Johan Heemskerk, Biochemistry, Division Blood



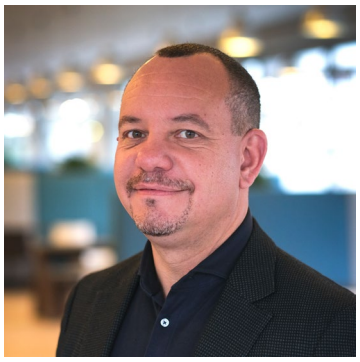
Johan W. M. Heemskerk is Professor of Cell Biochemistry of Thrombosis and Haemostasis at the Department of Biochemistry and Principal Investigator at CARIM since 2000. Johan Heemskerk graduated in Biology and Chemistry at the Radboud University of Nijmegen. At the same university, he performed doctoral research on the biosynthesis of plant lipids, where he obtained a doctoral degree in 1986. He carried out post-doctoral projects at the universities of Hamburg, Helsinki and Cambridge (UK). He moved to Maastricht University, with positions at the Departments of Human Biology and Biochemistry for investigations in the field of Thrombosis and Haemostasis, with a full professorship since 2010. He is a recipient of the international BACH-ISTH award for contributions to hemostasis. He co-coordinates or participates in the following international consortia: European Platelet Network (EUPLAN); Dortmund Platelet Proteome Consortium, BRIDGE-BPD, Horizon 2020 TAPAS and TICARDIO ITNs, and Interreg EMR PolyValve program. His H-index is 55 with > 8,900 citations (Web of Science).

Prof. Jos Maessen, Cardiothoracic Surgery, Division Vessels



Jos Maessen is Professor of Cardiothoracic Surgery and Chair of the department of Cardiothoracic Surgery at Maastricht UMC+, and Principal Investigator at CARIM since 2005. Jos (J.G.) Maessen (born Roermond, 1960) obtained a MD at Maastricht University (1984), obtained a PhD in 1988 and was registered as Cardiothoracic Surgeon in 1994. In 2005, he was appointed Professor of Cardiothoracic Surgery and Chair of the department of Cardiothoracic Surgery at Maastricht University. His department became well-recognised for its innovative and minimal (hybrid) invasive surgical developments.

Prof. Leon de Windt, Cardiology, Division Heart



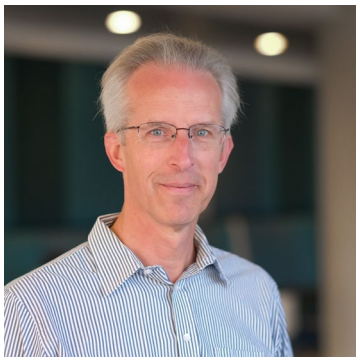
Leon J. de Windt is Professor of Molecular Cardiovascular Biology and chairs the Interfaculty Department of Molecular Biology and RNA Technology (IMAiA) at Maastricht University. Leon received a PhD in Cardiovascular Physiology at Maastricht University in 1999, did a postdoctoral residence at the Howard Hughes Medical Institute of prof. dr. Jeffery Molkentin in Cincinnati OH, USA and became group leader at the Hubrecht Institute in Utrecht. Mid 2010, he was appointed as Professor of Molecular Cardiovascular Biology at Maastricht University, The Netherlands. Leon is the recipient of several Awards, including the Veni (2001), Vidi (2007) and Vici (2017) career development awards from the Netherlands Organisation of Scientific Research (NWO); the 2012 Outstanding Achievement Award of the ESC Council for Basic Cardiovascular Science and the 2012 Galenus Research Prize. In 2013, he received an ERC Consolidator Grant from the European Research Council, was twice (2012, 2018) appointed coordinator of the Dutch Heart Foundation funded CVON-ARENA consortium of the Dutch CardioVascular Alliance (DCVA) funded ARENA-PRIME consortium and in 2019 became coordinator of the Marie Curie ITN consortium TRAIN-HEART focusing on regenerative approaches for ischemic heart disease. Leon authors over 125 publications in peer-reviewed international journals, his H- and M-index is 47 and 2,4, respectively (Google Scholar) and he was cited >11,000. His research focusses on the function of non-coding RNAs as regulators of cardiac gene expression using genetic manipulation in (iPS-derived) cardiomyocytes and mouse models of acquired and genetic heart disease. More recently, his team exploits their academic findings towards rational therapy development for genetic and acquired forms of heart failure in the Dutch spin-off company Mirabilis Therapeutics BV that he co-founded in 2015.

Biosketches PIs

Prof. Mark Post, Physiology, Division Vessels

Mark J Post is Professor of Physiology and from 2004 until April 1st 2019, Chair of Physiology. Mark Post, MD, PhD, received his medical degree from the University of Utrecht in 1982 and, at the same University, his PhD in 1989. As a post-doc, he joined Experimental Cardiology (Prof. C. Borst) to set up a Vascular Biology programme. From 1989 to 1996, he was senior investigator at the Royal Dutch Academy of Science. In 1996, Prof. Post was appointed full time assistant professor in Medicine at Harvard Medical School, Boston, MA and continued research in Vascular Biology and more specifically neovascularsation. In 2001, he was appointed associate professor of Medicine and of Physiology at Dartmouth Medical School, Hanover, NH. A year later, in July 2002, Mark Post returned to the Netherlands as a Professor of Vascular Physiology at Maastricht University and Professor of Angiogenesis in Tissue Engineering at the Technical University Eindhoven. He was Chair of the department of Physiology of Maastricht UMC+ until June 2019 and is Chairman of the Dutch Society of Physiology. His main research interests are vascular biology and tissue engineering of blood vessels and skeletal muscle. These subjects are studied from their basic molecular aspects and cellular mechanisms up to preclinical models and eventually, patients and consumers. In addition, he pioneered the creation of meat from stem cells and presented the world's first hamburger from cultured beef in 2013. As a result, he was awarded the World Technology Award for solutions that benefit the environment at the World Technology Network summit in 2013. Prof. Mark Post co-authored 175 papers in leading peer-reviewed scientific journals (H-index: 54, 10,700 citations) and received during his career close to 45 million dollars in funding and awards from different sources including government, charity and industry. He recently co-founded and is CSO of Qorium and MosaMeat, two start-ups respectively commercialising the technologies to produce bovine leather and cultured meat using tissue engineering. He is CEO of Cell2Tissue, a company that aims to develop technology platforms to support a variety of applications of tissue engineering.

Dr Matthijs Blankesteijn, Pharmacology & Toxicology, Division Heart



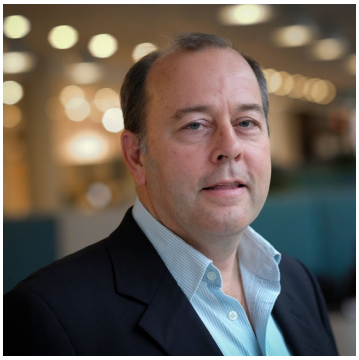
Matthijs Blankesteijn is associate professor of Pharmacology and Principal Investigator in the CARIM programme 'Structural heart failure'. He obtained Master degrees in Biology and Chemistry from the Radboud University Nijmegen (1988), followed by a PhD degree from the same university in 1993. He then joined the Pharmacology department of Maastricht University as a post-doc, and after a post-doctoral training in Harvard Medical School in Boston in 1997-1998 (supervisor Prof. V. Dzau), he returned to the Dept. of Pharmacology & Toxicology as a staff member. For his research, he has received funding from ZonMw, NHS and FES, including a Vidi grant in 2003. He has published over 60 Wi-1 papers with an average impact factor of 6.3 and H-index of 28. He was elected as Board member of the Dutch Society of Pharmacology in 2015.

Biosketches PIs

Prof. Monika Stoll, Biochemistry, Division Blood

Monika Stoll is Professor of Genetic Epidemiology and Chair of the Department of Genetic Epidemiology at the Institute of Human Genetics at the University of Muenster, Germany. In addition, she is an Extraordinary Professor of Genetic Epidemiology and Statistical Genetics at Maastricht University, and Principal Investigator at CARIM (since 2016). Monika Stoll (born Bad Nauheim, 1966) obtained a PhD in 1995 (Ruprecht-Karls-University, Heidelberg, Germany, summa cum laude). She received postgraduate training in complex genetics and genetic epidemiology at the Medical College of Wisconsin, Milwaukee, USA, and the University of Kiel, Germany. In 2003, she was appointed as Professor of Genetic Epidemiology at the University of Muenster, Germany, and since 2015, she is an Extraordinary Professor of Genetic Epidemiology and Statistical Genetics at Maastricht University. Since 2016, she is also vice-rector for research of the University of Muenster. Her work is well recognised as shown by an H-index of 44 (Web of Science) and publications in leading journals such as Science, Nature, Lancet, Blood.

Prof. Paul Volders, Cardiology, Division Heart



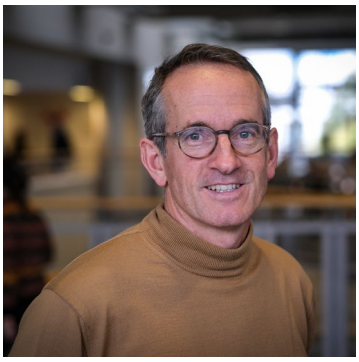
Paul Volders is Principal Investigator at CARIM and Cardiologist, and coordinates the cardiogenetic care of patients with inherited cardiomyopathies, including those with inherited arrhythmias, at Maastricht UMC+. Within this clinical-experimental environment, the active research projects of his team focus on novel pathogenetic insights and improved management of ventricular arrhythmias and sudden cardiac arrest. Paul Volders defended his PhD thesis 'Cellular Mechanisms of Acquired Torsades de Pointes in the Hypertrophied Canine Heart: The Substrate and the Trigger' in Maastricht in 1999 (cum laude). Since 2015. he is Professor of Genetic Cardiology. Prof. Paul Volders is a past ZonMw Veni and Vidi laureate, and a Dutch Heart Foundation Junior Staff Member grant. Currently, he participates as work-package leader in the CVON Consortium Project PREDICT, on predicting sudden cardiac arrest, and he is the research leader of the CVON Consortium Project VIGILANCE, on idiopathic ventricular fibrillation. Several of his team members achieved personal grants (ZonMw Veni, Dutch Heart Foundation Junior Postdoc). Besides, he ran multiple investigator-initiated studies that were funded by industry. He is a past-chairman of the ESC Working Group on Cardiac Cellular Electrophysiology (2012-2014), and a past Working-Group Representative at the Board of the European Heart Rhythm Association (2011-2018).
He is (co-)author on 90 scientific articles, with 5,673 citations and an H-index of 39.

Prof. Robert van Oostenbrugge, Neurology, Division Blood

Robert J. van Oostenbrugge, Professor of Neurology, with a chair on Vascular Neurology, head of the Department of Neurology (UM); Principal Investigator of CARIM and programme leader of Vascular Neurology / Stroke. Robert (R.J.) van Oostenbrugge; (born Havelte, 1965) obtained a MD at the Maastricht University in Maastricht (1990). He was registered as neurologist in 2000 and obtained a PhD in 1999 (University Maastricht, Maastricht). In 2013, he was appointed Professor of Neurology and chair of the Department of Neurology at Maastricht University. He is member of the Centers of Excellence in Neurodegeneration initiative and of the JPND funded initiative HARNESS aiming to harmonise imaging standards in vascular dementia, member of the board of the Dutch Section of Vascular Neurology.

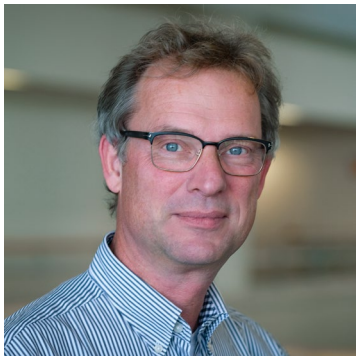
Biosketches PIs

Prof. Stephane Heymans, Cardiology, Division Heart



Stephane Heymans is radiologist and Research Scientist since 2003 focussing on the molecular mechanisms of heart failure, looking at the interplay between inflammatory cells, fibroblasts and cardiomyocytes. Unraveled the key role of structural and non-structural matrix proteins and RNAs, including microRNAs, matrix metalloproteinases, collagens and matri-cellular proteins, in mediating cardiac inflammation, fibrosis and dysfunction. Stephane Heymans became a staff member of Cardiology at Maastricht UMC+, and was appointed professor of (non-ischemic) cardiomyopathies within the Netherlands Heart Institute, Maastricht UMC+, and the University of Leuven in 2009. His heart failure research focusses on heart with preserved ejection fraction (HFPEF) and dilated cardiomyopathies (DCM) (http://www.hfresearch.eu). Prof. Stephane Heymans is acknowledged for developing a clinical care programme and related cohorts of non-ischemic CMP, myocarditis and HFPEF patients at Maastricht UMC+ (>1,400 patients cohort and biobank of HFPEF and DCM patients with > 12 yrs FU). His programme brings together immunologists, microbiologists, geneticians and molecular cardiologists to study the role of genetics, viruses, inflammation and other environmental factors in cardiomyopathies.
This clinical works allows a continuous translation between the bench and the bedside. Prof. Stephane Heymans is board member at the European Heart Failure Association, Chair of the Committee on Translational Research of the European Heart Failure Association, Chair of the Working Group of Myocardial Function of the European Society of Cardiology.

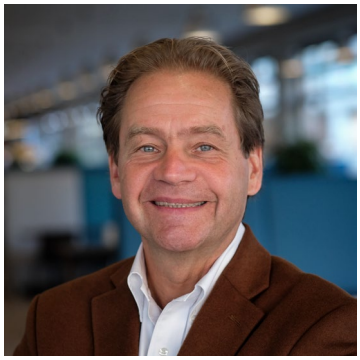
Prof. Tammo Delhaas, Biomedical Engineering, Division Heart



Tammo Delhaas, MD, PhD, is Pediatric Cardiologist and Professor of Biomedical Engineering. He obtained his MD at the University of Groningen, and received his PhD degree from Maastricht University in 1993 for a thesis on cardiac mechanics. After his training in Pediatrics in Maastricht and Utrecht, he received a Fulbright grant/ICIN-Fellowship and spent one year at the Departments of Bioengineering and Medicine from the UCSD. Thereafter he trained in Pediatric Cardiology in Aachen and Melbourne. In 2000, he returned to Maastricht as Pediatric Cardiologist and continued his research on the crossroads of (Pediatric) Cardiology, Physiology and Biomedical Engineering. In 2009, he was appointed Professor and Chair of Biomedical Engineering at Maastricht University where he is involved in projects related to cellular and cardiac mechanics, cardiac pacing, and mathematical modeling of the heart and circulation. Prof. Tammo Delhaas serves as a reviewer or member of the editorial board of many journals, and has received grants from, amongst others, the Dutch Heart Foundation, University Hospital Maastricht, Province of Limburg, NWO, European Research Council, and the Interuniversity Cardiology Institute of the Netherlands (ICIN).

Biosketches PIs

Prof. Tilman Hackeng, Biochemistry, Division Blood



Tilman M. Hackeng studied biochemistry at the University of Utrecht and obtained his PhD at the same University in 1993 on protein C/protein S anticoagulant mechanisms. Shortly after, He left for The Scripps Research Institute, La Jolla, CA, USA, were he worked on translational chemistry in the laboratories of Molecular and Experimental Medicine and Cell Biology Prof. John Griffin and Prof. Stephen Kent. In 1998, he returned to the Netherlands as a Research Fellow of the Royal Netherlands Academy of Arts and Sciences (KNAW) at the Department of Biochemistry of Maastricht University, with Prof. Jan Rosing. He is past president of the Netherlands Society on Thrombosis and Hemostasis (NVTH), and elected member of the Royal Holland Society of Sciences and Humanities (KHMW). In addition, he is chair of the Scientific Advisory Board of the Netherlands Thrombosis Foundation, acts as reviewer for major journals in the Thrombosis & Haemostasis and Chemistry fields and serves on grant reviewing boards of national and international granting agencies. Currently, he is chairman of the Department of Biochemistry of Maastricht University and director of the CARIM. He is co-founder of ACS Biomarker BV and Coagulation Profile BV. He has published 168 Wi-1 papers with an average citation of 42, an average impact factor of 6.9 and an H-index of 44 (Web of Science). He has supervised 16 PhD students.

Prof. Uli Schotten, Physiology, Division Heart

Uli Schotten, MD, PhD, studied medicine at the universities of Aachen, Glasgow, and Valetta. After four years of training in cardiology at the University Hospital of Aachen, he defended his thesis 'Mechanisms of Atrial Paralysis in Atrial Fibrillation' at Maastricht University. In 2011, he was appointed Professor of Cardiac Electrophysiology at the Department of Physiology in Maastricht and became chair of the Department in 2019. His research interests include cellular and integrated actions of antiarrhythmic drugs, the development of substrates for the perpetuation of atrial fibrillation, invasive and non-invasive quantification of the substrate of atrial fibrillation, interaction between atrial fibrillation and activation of the coagulation system, and three-dimensional computer models of atrial fibrillation. He is coordinator of the CVON network RACE V and PI in numerous national and international research networks, published >160 research articles, and has an H-index of 48. He was member of the European task force for the development of the ESC guidelines for management of atrial fibrillation in 2010, 2012, and 2016. Furthermore, he is member of the Executive Committee of the Network of Competence for Atrial Fibrillation (AFNET) and co-founder of the Maastricht University spin-off company YourRhythmics BV.

Advisory reports for policy makers and/or clinical guidelines *Blood*

NAME	TOPIC/TITLE/DESCRIPTION	YEAR	DIVISION
Carine Peutz-Kootstra	Manpowerrapport 2017; Dutch Pathology association	2017	Blood
Eline Kooi	Member International working group to write a white paper on recommendations for standardized MR protocols for vessel wall imaging	2015-present	Blood (former Theme III)
Joachim Wildberger	Interdisziplinäre S2 - Leitlinie. Diagnostik und Therapie der Venenthrombose und der Lungenembolie	2014-2015	Blood (former Theme III)
Judith Sluimer	advisory report: eNOVUM, e-innovations brought to life (FHML)	2016	Blood
Judith Sluimer	advisory report: HRM tenure track policy (UM)	2015	Blood
Robert van Oostenbrugge	Centralization of IAT for stroke (advisory board NFU)	2017	Blood
Van den Bosch H, Cozijnsen L, Gerretsen S. Groenink M, Leiner T.	Cardiale beeldvorming middels CT en MRI; Stand van zaken en indicaties (NVvR en NVvC). Hst 5 Grote vaten.	2015	Blood (former Theme III)
Werner Mess	Member Working group guidelines stroke	2015-present	Blood (former Theme III)
Wim van Zwam	Quality Requirements for IAT (NVvR)	2016	Blood
Wim van Zwam	Member Working group guidelines stroke	2015-present	Blood (former Theme III)
Wim van Zwam	Member Working group guidelines intracranial aneurysm	2018-present	Blood (former Theme III)

Advisory reports for policy makers and/or clinical guidelines *Vessels*

NAME	TOPIC/TITLE/DESCRIPTION	YEAR	DIVISION
Name	Topic/title/description	Year	Division
Barend Mees	Dutch guidelines on abdominal aortic aneurysm (committee)	2017	Vessels
Bram Kroon	Hypertensie in de 2e en 3e lijn; Nederlandse richtlijnen	2017	Vessels
Bram Kroon	ESH Position paper on Renal Denervation	2018	Vessels
Bram Kroon	ESC/ESH Guidelines for the Management of Arterial Hypertension	2018	Vessels
Jan Tordoir	European guidelines on vascular access surgery (author)	2017	Vessels
Michael Jacobs	European guidelines on thoracic aorta disease (author)	2017	Vessels
Nicolaas Schaper	Chair Editorial Board International Guidance on the Diabetic Foot	2014-present	Vessels
Nicolaas Schaper	Chair Dutch Guidelines on the Diabetic Foot	2017	Vessels
Nicolaas Schaper	Co-chair International Consensus on Peripheral Artery Disease in Diabetes	2015	Vessels
Nicolaas Schaper	Member Dutch Consensus on management of painful diabetic neuropathy	2017	Vessels
Nicolaas Schaper	Member scientific advisory board Dutch Diabetes Fund	2014-present	Vessels

Advisory reports for policy makers and/or clinical guidelines *Heart*

NAME	TOPIC/TITLE/DESCRIPTION	YEAR	DIVISION
Leon de Windt	Hirsch E, Hilfiker-Kleiner D, Balligand JL, Tarone G, de Windt L, Bauersachs J, Ferdinandy P, Davidson S, Hausenloy D, Schulz R. Interaction of the heart and its close and distant neighbours Report of the Meeting of the ESC Working Groups Myocardial Function and Cellular Biology. Cardiovasc Res. 2013;99,595-599.	2013	Heart
Leon de Windt	Leite-Moreira AF, Lourenço AP, Balligand JL, Bauersachs J, Clerk A, De Windt LJ, Heymans S, Hilfiker-Kleiner D, Hirsch E, Iaccarino G, Kaminski KA, Knšll R, Mayr M, Tarone G, Thum T, Tocchetti CG. ESC Working Group on Myocardial Function Position Paper: how to study the right ventricle in experimental models. Eur J Heart Fail. 2014;16(5):509-518.	2014	Heart
Leon de Windt	Tarone G, Balligand JL, Bauersachs J, Clerk A, De Windt L, Heymans S, Hilfiker-Kleiner D, Hirsch E, Iaccarino G, Knšll R, Leite-Moreira AF, Lourenço AP, Mayr M, Thum T, Tocchetti CG. Targeting myocardial remodelling to develop novel therapies for heart failure: A position paper from the Working Group on Myocardial Function of the European Society of Cardiology. Eur J Heart Fail. 2014;16(5):494-508.	2014	Heart
Leon de Windt	Perrino C, Barabási AL, Condorelli G, Davidson SM, De Windt L, Dimmeler S, Engel FB, Hausenloy DJ, Hill JA, Van Laake LW, Lecour S, Leor J, Madonna R, Mayr M, Prunier F, Sluijter JPG, Schulz R, Thum T, Ytrehus K, Ferdinandy P. Epigenomic and transcriptomic approaches in the post-genomic era: path to novel targets for diagnosis and therapy of the ischaemic heart? Position Paper of the European Society of Cardiology Working Group on Cellular Biology of the Heart. Cardiovasc Res. 2017;113:725.	2017	Heart
Stephane Heymans	Authors/Task Force members, Elliott PM, Anastasakis A, Borger MA, Borggrefe M, Cecchi F, Charron P, Hagege AA, Lafont A, Limongelli G, Mahrholdt H, McKenna WJ, Mogensen J, Nihoyannopoulos P, Nistri S, Pieper PG, Pieske B, Rapezzi C, Rutten FH, Tillmanns C, Watkins H; Authors/Task Force members.2014 ESC Guidelines on diagnosis and management of hypertrophic cardiomyopathy: the Task Force for the Diagnosis and Management of Hypertrophic Cardiomyopathy of the European Society of Cardiology (ESC). Eur Heart J. 2014 Oct 14;35(39):2733-79.	2014	Heart
Stephane Heymans	Tarone G, Balligand JL, Bauersachs J, Clerk A, De Windt L, Heymans S,Hilfiker-Kleiner D, Hirsch E, Iaccarino G, Knöll R, Leite-Moreira AF, Lourenço AP, Mayr M, Thum T, Tocchetti CG.Targeting myocardial remodelling to develop novel therapies for heart failure: A position paper from the Working Group on Myocardial Function of the European Society of Cardiology.Eur J Heart Fail. 2014 Mar 17.	2014	Heart
Stephane Heymans	Leite-Moreira AF, Lourenço AP, Balligand JL, Bauersachs J, Clerk A, De Windt LJ, Heymans S, Hilfiker-Kleiner D, Hirsch E, Iaccarino G, Kaminski KA, Knöll R, Mayr M, Tarone G, Thum T, Tocchetti CG.ESC Working Group on Myocardial Function Position Paper: how to study the right ventricle in experimental models.Eur J Heart Fail. 2014 Feb 23.	2014	Heart

Advisory reports for policy makers and/or clinical guidelines *Heart*

NAME	TOPIC/TITLE/DESCRIPTION	YEAR	DIVISION
Stephane Heymans	Caforio AL, Pankuweit S, Arbustini E, Basso C, Gimeno-Blanes J, Felix SB, Fu M, Heliö T, Heymans S, Jahns R, Klingel K, Linhart A, Maisch B, McKenna W, Mogensen J, Pinto YM, Ristic A, Schultheiss HP, Seggewiss H, Tavazzi L, Thiene G, Yilmaz A, Charron P, Elliott PM.Current state of knowledge on aetiology, diagnosis, management, and therapy of myocarditis: a position statement of the European Society of Cardiology Working Group on Myocardial and Pericardial Diseases.Eur Heart J. 2013 Jul 3. [Epub ahead of print]	2014	Heart
Stephane Heymans	Proposal for a revised definition of dilated cardiomyopathy, hypokinetic non-dilated cardiomyopathy, and its implications for clinical practice: a position statement of the ESC working group on myocardial and pericardial diseases. Pinto YM, Elliott PM, Arbustini E, Adler Y, Anastasakis A, Böhm M, Duboc D, Gimeno J, de Groote P, Imazio M, Heymans S, Klingel K, Komajda M, Limongelli G, Linhart A, Mogensen J, Moon J, Pieper PG, Seferovic PM, Schueler S, Zamorano JL, Caforio AL, Charron P. Eur Heart J. 2016 Jan 19. pii: ehv727. [Epub ahead of print]	2016	Heart
Stephane Heymans	Diagnosis and management of myocardial involvement in systemic immune-mediated diseases: a position statement of the European Society of Cardiology Working Group on Myocardial and Pericardial Disease. Caforio ALP, Adler Y, Agostini C, Allanore Y, Anastasakis A, Arad M, Böhm M, Charron P, Elliott PM, Eriksson U, Felix SB, Garcia-Pavia P, Hachulla E, Heymans S, Imazio M, Klingel K, Marcolongo R, Matucci Cerinic M, Pantazis A, Plein S, Poli V, Rigopoulos A, Seferovic P, Shoenfeld Y, Zamorano JL, Linhart A. Eur Heart J. 2017 Sep 14;38(35):2649-2662.	2017	Heart
Stephane Heymans	The innate immune system in chronic cardiomyopathy: a European Society of Cardiology (ESC) scientific statement from the Working Group on Myocardial Function of the ESC. Frantz S, Falcao-Pires I, Balligand JL, Bauersachs J, Brutsaert D, Ciccarelli M, Dawson D, de Windt LJ, Giacca M, Hamdani N, Hilfiker-Kleiner D, Hirsch E, Leite-Moreira A, Mayr M, Thum T, Tocchetti CG, van der Velden J, Varricchi G, Heymans S. Eur J Heart Fail. 2018 Mar;20(3):445-459.	2017	Heart
Stephane Heymans	An integrative translational approach to study heart failure with preserved ejection fraction: a position paper from the Working Group on Myocardial Function of the European Society of Cardiology. Lourenço AP, Leite-Moreira AF, Balligand JL, Bauersachs J, Dawson D, de Boer RA, de Windt LJ, Falcão-Pires I, Fontes-Carvalho R, Franz S, Giacca M, Hilfiker-Kleiner D, Hirsch E, Maack C, Mayr M, Pieske B, Thum T, Tocchetti CG, Brutsaert DL, Heymans S. Eur J Heart Fail. 2017 Nov 16.	2017	Heart
Stephane Heymans	Right heart dysfunction and failure in heart failure with preserved ejection fraction: mechanisms and management. Position statement on behalf of the Heart Failure Association of the European Society of Cardiology. Gorter TM, van Veldhuisen DJ, Bauersachs J, Borlaug BA, Celutkiene J, Coats AJS, Crespo-Leiro MG, Guazzi M, Harjola VP, Heymans S, Hill L, Lainscak M, Lam CSP, Lund LH, Lyon AR, Mebazaa A, Mueller C, Paulus WJ, Pieske B, Piepoli MF, Ruschitzka F, Rutten FH, Seferovic PM, Solomon SD, Shah SJ, Triposkiadis F, Wachter R, Tschöpe C, de Boer RA. Eur J Heart Fail. 2017 Jan;20(1):16-37.	2017	Heart

Advisory reports for policy makers and/or clinical guidelines *Heart*

NAME	TOPIC/TITLE/DESCRIPTION	YEAR	DIVISION
Stephane Heymans	The autonomic nervous system as a therapeutic target in heart failure: a scientific position statement from the Translational Research Committee of the Heart Failure Association of the European Society of Cardiology. van Bilsen M, Patel HC, Bauersachs J, Böhm M, Borggrefe M, Brutsaert D, Coats AJS, de Boer RA, de Keulenaer GW, Filippatos GS, Floras J, Grassi G, Jankowska EA, Kornet L, Lunde IG, Maack C, Mahfoud F, Pollesello P, Ponikowski P, Ruschitzka F, Sabbah HN, Schultz HD, Seferovic P, Slart RHJA, Taggart P, Tocchetti CG, Van Laake LW, Zannad F, Heymans S, Lyon AR. Eur J Heart Fail. 2017 Nov;19(11):1361-1378.	2017	Heart
Stephane Heymans	Heart failure and diabetes: metabolic alterations and therapeutic interventions: a state-of-the-art review from the Translational Research Committee of the Heart Failure Association-European Society of Cardiology. Maack C, Lehrke M, Backs J, Heinzel FR, Hulot JS, Marx N, Paulus WJ, Rossignol P, Taegtmeyer H, Bauersachs J, Bayes-Genis A, Brutsaert D, Bugger H, Clarke K, Cosentino F, De Keulenaer G, Dei Cas A, González A, Huelsmann M, Iaccarino G, Lunde IG, Lyon AR, Pollesello P, Rena G, Riksen NP, Rosano G, Staels B, van Laake LW, Wanner C, Farmakis D, Filippatos G, Ruschitzka F, Seferovic P, de Boer RA, Heymans S. Eur Heart J. 2018 Dec 21;39(48):4243-4254.	2018	Heart
Stephane Heymans	Complex roads from genotype to phenotype in dilated cardiomyopathy: scientific update from the Working Group of Myocardial Function of the European Society of Cardiology. Bondue A, Arbustini E, Bianco A, Ciccarelli M, Dawson D, De Rosa M, Hamdani N, Hilfiker-Kleiner D, Meder B, Leite-Moreira AF, Thum T, Tocchetti CG, Varricchi G, Van der Velden J, Walsh R, Heymans S. Cardiovasc Res. 2018 Aug 1;114(10):1287-1303.	2018	Heart
Uli Schotten	Co-author of serveral consensus statements		Heart
Uli Schotten	Fabritz L, Guasch E, Antoniades C, Bardinet I, Benninger G, Betts TR, Brand E, Breithardt G, Bucklar- Suchankova G, Camm AJ, Cartlidge D, Casadei B, Chua WW, Crijns HJ, Deeks J, Hatem S, Hidden- Lucet F, Kääb S, Maniadakis N, Martin S, Mont L, Reinecke H, Sinner MF, Schotten U, Southwood T, Stoll M, Vardas P, Wakili R, West A, Ziegler A, Kirchhof P. Expert consensus document: Defining the major health modifiers causing atrial fibrillation: a roadmap to underpin personalized prevention and treatment. Nat Rev Cardiol. 2015 doi: 10.1038/nrcardio.2015.194.	2015	Heart

Advisory reports for policy makers and/or clinical guidelines *Heart*

NAME	TOPIC/TITLE/DESCRIPTION	YEAR	DIVISION
Uli Schotten	Kirchhof P, Breithardt G, Bax J, Benninger G, Blomstrom-Lundqvist C, Boriani G, Brandes A, Brown H, Brueckmann M, Calkins H, Calvert M, Christoffels V, Crijns H, Dobrev D, Ellinor P, Fabritz L, Fetsch T, Freedman SB, Gerth A, Goette A, Guasch E, Hack G, Haegeli L, Hatem S, Haeusler KG, Heidbüchel H, Heinrich-Nols J, Hidden-Lucet F, Hindricks G, Juul-Möller S, Kääb S, Kappenberger L, Kespohl S, Kotecha D, Lane DA, Leute A, Lewalter T, Meyer R, Mont L, Münzel F, Nabauer M, Nielsen JC, Oeff M, Oldgren J, Oto A, Piccini JP, Pilmeyer A, Potpara T, Ravens U, Reinecke H, Rostock T, Rustige J, Savelieva I, Schnabel R, Schotten U, Schwichtenberg L, Sinner MF, Steinbeck G, Stoll M, Tavazzi L, Themistoclakis S, Tse HF, Van Gelder IC, Vardas PE, Varpula T, Vincent A, Werring D, Willems S, Ziegler A, Lip GY, Camm AJ. A roadmap to improve the quality of atrial fibrillation management: proceedings from the fifth Atrial Fibrillation Network/Euro-pean Heart Rhythm Association consensus conference. Europace. 2015;pii: euv304.	2015	Heart
Uli Schotten	Kirchhof, P; Breithardt, G; Aliot, E; Khatib, SA; Apostolakis, S; Auricchio, A; Bailleul, C; Bax, J; Benninger, G; Blomstrom-Lundqvist, C; Boersma, L; Boriani, G; Brandes, A; Brown, H; Brueckmann, M; Calkins, H; Casadei, B; Clemens, A; Crijns, H; Derwand, R; Dobrev, D; Ezekowitz, M; Fetsch, T; Gerth, A; Gillis, A; Gulizia, M; Hack, G; Haegeli, L; Hatem, S; Georg Häusler, K; Heidbüchel, H; Hernandez-Brichis, J; Jais, P; Kappenberger, L; Kautzner, J; Kim, S; Kuck, KH; Lane, D; Leute, A; Lewalter, T; Meyer, R; Mont, L; Moses, G; Mueller, M; Münzel, F; Näbauer, M; Nielsen, JC; Oeff, M; Oto, A; Pieske, B; Pisters, R; Potpara, T; Rasmussen, L; Ravens, U; Reiffel, J; Richard-Lordereau, I; Schäfer, H; Schotten, U; Stegink, W; Stein, K; Steinbeck, G; Szumowski, L; Tavazzi, L; Themistoclakis, S; Thomitzek, K; Van Gelder, IC; von Stritzky, B; Vincent, A; Werring, D; Willems, S; Lip, GY; Camm, AJ: Personalized management of atrial fibrillation: Proceedings from the fourth Atrial Fibrillation competence NETwork/European Heart Rhythm Association consensus conference. Europace, 2013;15:1540-1556.	2013	Heart
Uli Schotten	Wyse DG, Van Gelder IC, Ellinor PT, Go AS, Kalman JM, Narayan SM, Nattel S, Schotten U, Rienstra M. Lone atrial fibrillation: does it exist? J Am Coll Cardiol. 2014 May 6;63:1715-23	2014	Heart
Uli Schotten	Member of the task for for European guidelines for the management of atrial fibrillation. Eur Heart J. 2016 Oct 7;37(38):2893-2962. Epub 2016 Aug 27. 2016 ESC Guidelines for the management of atrial fibrillation developed in collaboration with EACTS. Kirchhof P, Benussi S, Kotecha D, Ahlsson A, Atar D, Casadei B, Castella M, Diener HC, Heidbuchel H, Hendriks J, Hindricks G, Manolis AS, Oldgren J, Popescu BA, Schotten U, Van Putte B, Vardas P, Agewall S(1), Camm J(1), Baron Esquivias G(1), Budts W(1), Carerj S(1), Casselman F(1), Coca A(1), De Caterina R(1), Deftereos S(1), Dobrev D(1), Ferro JM(1), Filippatos G(1), Fitzsimons D(1), Gorenek B(1), Guenoun M(1), Hohnloser SH(1), Kolh P(1), Lip GY(1), Manolis A(1), McMurray J(1), Ponikowski P(1), Rosenhek R(1), Ruschitzka F(1), Savelieva I(1), Sharma S(1), Suwalski P(1), Tamargo JL(1), Taylor CJ(1), Van Gelder IC(1), Voors AA(1), Windecker S(1), Zamorano JL(1), Zeppenfeld K(1).	2016	Heart

Advisory reports for policy makers and/or clinical guidelines *Heart*

NAME	TOPIC/TITLE/DESCRIPTION	YEAR	DIVISION
Uli Schotten	Published translation of guidelines in Spanish and Polish: PMID: 28038729, PMID: 28009037	2016	Heart
Uli Schotten	European guideline: Kirchhof P, Benussi S, Kotecha D, Ahlsson A, Atar D, Casadei B, Castellá M, Diener HC, Heidbuchel H, Hendriks J, Hindricks G, Manolis AS, Oldgren J, Alexandru Popescu B, Schotten U, Van Putte B, Vardas P. 2016 ESC Guidelines for the Management of Atrial Fibrillation Developed in Collaboration With EACTS. Rev Esp Cardiol (Engl Ed). 2017 Jan;70(1):50. doi: 10.1016/j.rec.2016.11.033. English, Spanish.	2017	Heart

Memberships of civil society *Blood*

NAME	ORGANISATION	CHARACTER OF MEMBERSHIP	PERIOD	DIVISION
Arina ten Cate-Hoek	Standardization Committee Federation National Anticoagulation Clonics	Chair	2012-present	Blood
Arina ten Cate-Hoek	Maastricht anticoagulation clinic	Chair		Blood
Arina ten Cate-Hoek	Guideline committee on compression of European College of Phlebology	Chair	2017-present	Blood
Arina ten Cate-Hoek	Guideline management venous thrombosis Eur Soc Vasc Surgeons	Member	2017-present	Blood
Elisabetta Castoldi	Editorial Board of the ICTHIC Magazine, an online initiative meant to raise awareness on haemostasis and oncology among the medical and scientific communities, the media and the general public	Member	2017-present	Blood
Hugo ten Cate	Board of Dutch Federation Anticoagulation Clinics	Chair	Until 2020	Blood
Johan Heemskerk	Ambassador of Amici ad Mosam for promotion of congresses in City of Maastricht	Member	2013-present	Blood
Robert van Oostenbrugge	NFU committee on centralisation of IAT for stroke	Member	2017	Blood (former Theme III)
Yvonne Henskens	FMS guideline committee “Antitrombotisch beleid”	Member	2015	Blood
Yvonne Henskens	Dutch guideline bloodtransfusion	Member	2018-2019	Blood
Yvonne Henskens	SKMS Guideline Preanalysis hemostatic testing	Chair	2018-2019	Blood
Yvonne Henskens	SKML Proficiency testing Hemostasis	Men	2017-present	Blood

Memberships of civil society *Vessels*

NAME	ORGANISATION	CHARACTER OF MEMBERSHIP	PERIOD	DIVISION
Ilja Arts	Panel member of the Nederlands-Vlaamse Accreditatieorganisatie (NVAO) Bachelor and Master programme accreditation for Biomedical Sciences (accreditatie visitatiecluster BMW)	Member	2018	Vessels
Mark Post	FIVES foundation	Chair	2016-present	Vessels
Mark Post	MKMD NWO	Member	2016-present	Vessels
Mark Post	World Economic Forum	Member	2016-present	Vessels
Boy Houben	Committee for Evaluation of foreign physicians (CBGV) for the Dutch Ministry of Health, Welfare, and Sport	Member	2012-present	Vessels
Nicolaas Schaper	International Guidance on the Diabetic Foot	Chair	2014-present	Vessels
Bram Kroon	Dutch Hypertension Society	Board member	2003-present	Vessels
Jos Maessen	Medical Ethical Science Committee of the Dutch Federation Medical Professions	Chair	2014-present	Vessels
Jos Maessen	Platform Klinisch onderzoek NFU	member	2016-present	Vessels

Memberships of civil society *Heart*

NAME	ORGANISATION	CHARACTER OF MEMBERSHIP	PERIOD	DIVISION
Ben Janssen	National team ZonMW to promote medication safety among prescribers	Member		Heart
Harry Crijns	Dutch CardioVascular Alliance	Member	2017-present	Heart
Kevin Vernooy	National Device Commission	Member	2015-present	Heart
Leon de Windt	Nucleus of the Working Group on Myocardial Function from the ESC	Member	2012-2018	Heart
Paula da Costa Martins	Nucleus of the Working Group on Cell Biology from the ESC	Member	2014-present	Heart
Paula da Costa Martins	International Society for Heart research, european section (ISHR-ES)	Council member	2017-present	Heart
Uli Schotten	Task force for the development of guidelines for the management of atrial fibrillation, guidelines to be released in 2016.	Member	2013-2016	Heart