

Prof. Konstantinos Stellos, MD, FAHA, FESC

Work address

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**Current positions**

Professor/Chair Full Professor of Medicine & Chair of Cardiovascular Research, Medical Faculty Mannheim, Heidelberg University, Mannheim, Germany.
Director Department of Cardiovascular Research, Medical Faculty Mannheim, Heidelberg University, Mannheim, Germany.
Attending Physician Department of Internal Medicine I (Cardiology, Angiology, Hemostaseology and Intensive Care Medicine), University Hospital Mannheim, Mannheim, Germany.

University degrees and professional qualifications

2013 Habilitation (higher doctorate) on Internal Medicine (habilitation mentor: Prof. Andreas Zeiher), Faculty of Medicine, Goethe University Frankfurt, Frankfurt am Main, Germany.
2013 German Medical Board Certification in Internal Medicine and Cardiology, Medical Council Hessen, Germany.
2007 Doctor of Medicine (Dr. med.) with *summa cum laude* (doctoral mentor: Prof. Meinrad Gawaz), Faculty of Medicine, University of Tübingen, Tübingen, Germany.
2005 Medical Diploma (MD qualification), Faculty of Medicine, Democritus University of Thrace, Alexandroupolis, Greece.

Postgraduate professional career

2021 – today Full Professor (W3) of Medicine & Chair of Cardiovascular Research, Medical Faculty Mannheim, Heidelberg University, Mannheim, Germany.
2021 – today Director of the Department of Cardiovascular Research, Medical Faculty Mannheim, Heidelberg University, Mannheim, Germany.
2021 – today Attending Physician, Department of Internal Medicine I (Dpt. of Cardiology, Angiology, Hemostaseology and Intensive Care Medicine), University Hospital Mannheim, Mannheim, Germany.
2018 – 2021 Hon. Consultant, Cardiothoracic Centre, Freeman Hospital, Newcastle Hospitals NHS Foundation Trust, Newcastle Upon Tyne, UK.
2017 – 2024 Full Professor of Medicine & Chair of Cardiovascular Medicine and Epitranscriptomics, Faculty of Medical Sciences, Newcastle University, UK.
2014 – 2017 Attending Physician, Medizinische Klinik III (Department of Internal Medicine III, Cardiology and Angiology), Goethe University Hospital Frankfurt, Frankfurt am Main, Germany.
2014 – 2017 Associate Professor of Medicine (“Außerplanmäßiger Professor”, since 05/2016 tenured) at the Faculty of Medicine, Goethe University Frankfurt, Frankfurt am Main, Germany.

- 2013 – 2014 Assistant Professor of Medicine (“Privatdozent”) at the Faculty of Medicine, Goethe University Frankfurt, Frankfurt am Main, Germany.
- 2011 – 2017 Research Group Leader, Institute of Cardiovascular Regeneration (Director: Prof. Stefanie Dimmeler), Faculty of Medicine, Goethe University Frankfurt, Frankfurt am Main, Germany.
- 2011 – 2012 Clinical fellow in Internal Medicine and Cardiology, Medizinische Klinik III (Department of Internal Medicine III, Director: Prof. Andreas Zeiher), Goethe University Hospital Frankfurt, Frankfurt am Main, Germany.
- 2006 – 2011 Clinical fellow in Internal Medicine and Cardiology, Medizinische Klinik III (Department of Internal Medicine III, Director: Prof. Meinrad Gawaz), University Hospital of Tübingen, Tübingen, Germany.

Honours & Awards to Konstantinos Stellos

- 2024 *European Heart Journal* Distinguished Reviewer Award
- 2023 *Cardiovascular Research* Top Reviewer Award
- 2022 *European Heart Journal* Reviewer of the Year Award
- 2020 European Society of Cardiology (ESC) Outstanding Achievement Award
- 2017 Awarded a European Research Council Starting Grant
- 2017 German Cardiac Society (DGK) Oskar-Lapp Research Prize
- 2016 European Society of Cardiology (ESC) Fellow
- 2015 American Heart Association (AHA) Young Investigator Award Winner
- 2014 German Cardiac Society (DGK) Inge-Edler Research Scholarship
- 2014 German Heart Foundation (DHS) Wilhelm P. Winterstein-Award
- 2014 Else-Kröner Memorial Scholarship awarded by the Else Kröner-Fresenius-Stiftung (EKFS)
- 2014 American Heart Association (AHA) Council on Arteriosclerosis, Thrombosis and Vascular Biology (ATVB) Fellow
- 2012 German Cardiac Society (DGK) Research Scholarship
- 2010 Ewald und Karin Hochbaum Foundation Award awarded to the two best physician-scientists of the Medical Faculty of the University of Tübingen, Tübingen, Germany
- 2008 Paul-Schölmerich Award for Internal Medicine, German-Romanian Academy of Sciences and German Society of Internal Medicine
- 2008 German Cardiac Society (DGK) Hans Blömer-Young Investigator Award for Clinical Cardiology Finalist
- 2008 Carl-Liebermeister-Award of the Medical Faculty and the Interdisciplinary Centre for Clinical Research of the University of Tübingen
- 2007 German Society of Thrombosis and Haemostasis Research (GTH) Best Poster Award on Basic Science
- 2007 Doctoral thesis with “Summa cum laude” by the Eberhard-Karls University of Tübingen, Tübingen, Germany

Institutional, Organization and Association/Society Leadership Positions

- 2024 – today PI of the *German Centre for Cardiovascular Research* (Deutsches Zentrum für Herz-Kreislauf-Forschung, DZHK) Heidelberg/Mannheim Partner site (co-applicant of the DZHK renewal application 2024)
- 2024 – today Adj. Faculty PI, *Helmholtz Institute Translational AngioCardio Science* (HI-TAC) of the Helmholtz Association, Mannheim, Germany
- 2016 – today *American Heart Association (AHA)*, Council on Genomic and Precision Medicine
 2023-2025: Chair, Professional/Public Education & Publications’ Committee
 2020-2023: Vice-Chair, Professional/Public Education & Publications’ Committee
 2018-2020: Member, Professional/Public Education & Publications’ Committee
 2016-2020: Member/Adviser, Early Career Committee
- 2016 – today *European Society of Cardiology (ESC)*

- 2022-2024: Secretary, ESC Working Group on Atherosclerosis and Vascular Biology
 2020-2022: Communication Coordinator, ESC Working Group on Atherosclerosis and Vascular Biology
 2016-2019: Member/Adviser, Council on Basic Cardiovascular Science Scientists of Tomorrow nucleus
- 2020 – today *Heart Failure Association of the ESC*
 2020-2024: Member, Basic and Translational Research Committee
- 2019 – 2021 Elected Senate professorial member of the Newcastle University, Newcastle Upon Tyne, UK
- 2019 – 2021 Appointed Lead, Vascular Biology and Medicine Theme, Faculty of Medical Sciences, Newcastle University, Newcastle Upon Tyne, UK.
- 2014 German Centre for Cardiovascular Disease (DZHK) Rhine/Main Young-Chapter Coordinator

Research Student Supervision

PhD theses	10
MD/DVM theses	16
Master theses	7
Undergraduate theses	9

Teaching

Heidelberg University	Seminars on vascular biology, immunology, RNA biology and cardiovascular medicine
Newcastle University	Lectures on ageing, cardiovascular sciences, RNA biology, cardiovascular medicine, evaluation of UG and MRes theses
Goethe University Frankfurt	Lectures on internal medicine, clinical cardiology, cardiovascular sciences, exams OSCE, medical exams for internal medicine
University of Tubingen	Lectures on internal medicine, clinical cardiology, cardiovascular sciences

Contribution to professional growth of early career researchers (the last 5 years)

Sachse, M. (HU)	2024: Physician-Scientist scholarship to focus for 2 years on research by the Helmholtz Institute for Translational CardioCardiac Science (HI-TAC) 2024: Invited abstract-based talk at the International Vascular Biology Meeting (IVBM) 2024, Amsterdam, the Netherlands 2024: German Cardiac Society (Deutsche Gesellschaft für Kardiologie, DGK) Hans – Blömer Young Investigator Award für klinische Herzkreislaufforschung, 1st prize 2023: German Cardiac Society (Deutsche Gesellschaft für Kardiologie, DGK) Young Investigator Award – Koronare Herzerkrankungen, 1st prize 2023: European Atherosclerotic Society, EAS - Young Investigator Fellowship
Amposah-Offeh, M. (HU)	2024: European Society of Cardiology Council on Basic Cardiovascular Science Young Investigator Award, 1 st Prize
Sopova, K. (HU)	2024: Deutsche Gesellschaft für Kardiologie (German Cardiac Society) Young Investigator Award (DGK Abstractpreis für Klinische Lipidforschung)
Cavlan, B. (HU)	2024: MD research scholarship by the DFG-funded CRC1366 graduate programme
Turchinovich, A. (HU)	2023: German Centre for Cardiovascular Research (DZHK) Partner Site Heidelberg/Mannheim Poster Award
Tual-Chalot, S. (NU)	2024: Invited abstract-based talk at the International Vascular Biology Meeting (IVBM) 2024, Amsterdam, the Netherlands 2023: British Heart Foundation project grant 2023: Royal Society project grant 2022: Wellcome Trust Institutional Strategic Support Fund 2021: British Society for Research on Ageing grant 2019: British Atherosclerosis Society Best oral presentation Prize runner up, Oxford, UK.

- 2019: British Cardiovascular Society and British Heart Foundation Annual Meeting
Highest Scoring Abstract Basic Science. Manchester, UK
- 2019: British Cardiovascular Research Society and British Atherosclerosis Society Best
Oral Abstract Prize Runner-Up, Manchester, UK
- Gatsiou, A. (NU) 2024: Offer for an Assistant Professorship at two UK universities.
- 2022: American Heart Association (AHA) Elaine W. Raines Early Career Investigator
Award of the Council on Arteriosclerosis, Thrombosis and Vascular Biology (ATVB)
- 2022: Heart Failure Association of the European Society of Cardiology Early Career
Investigator Award finalist
- 2021: British Society for Cardiovascular Research Bernard and Joan Marshall
Investigator 1st runner-up prize
- 2019: American Heart Association (AHA) Early Career Investigator Award finalist of the
Council on Genomic and Precision Medicine
- Vlachogiannis,
N. (NU) 2024: Foundation for Research in Rheumatology (FOREUM) research grant
- 2024: Appointment to Group Leader at the Athens University, Greece
- 2019: European League Against Rheumatism travel grant to attend the European
Congress of Rheumatology
- 2017: Onassis Foundation Scholarship for doctoral studies
- Katsoulis, O.
(NU) 2019: Top Project Award by the Royal Society of Biology, UK
- HU: Heidelberg University, Germany; NU: Newcastle University, UK

Invited Seminars / Talks (selection)

- 2024 University of Mainz, Germany
- 2024 University of Graz, Austria
- 2024 University of Geneva, Switzerland
- 2024 4th Immuno-Metabolic Mechanisms of Atherosclerosis, Cancun, Mexico
- 2024 University of Zurich, CTEC webinar, Switzerland
- 2024 90th German Cardiac Society (DGK) Annual Meeting (90. Jahrestagung), Mannheim, Germany
- 2024 Frontiers on Cardiovascular Biomedicine, ESC Council on Basic Cardiovascular Science,
Amsterdam, the Netherlands
- 2023 57th Annual Scientific Meeting of the European Society for Clinical Investigation
- 2023 American Physiology Summit, Long Beach, Los Angeles, USA
- 2023 Gordon Research Conference (GRC) Vascular Cell Biology, Vascular Complexity, Heterogeneity,
and Metabolism in Health and Disease, Ventura, USA
- 2023 Vascular Medicine and Atherosclerosis Congress, German Atherosclerosis Society, Mannheim,
Germany
- 2023 University of Giessen, digital, Germany
- 2022 Karolinska Institute, Stockholm, Sweden
- 2022 2nd Olympiad in Cardiovascular Medicine, Heraklion, Greece
- 2022 Frontiers on Cardiovascular Biomedicine, ESC Council on Basic Cardiovascular Science, Budapest,
Hungary
- 2022 TRR259 –Aortic Disease Seminar Series and University of Bonn, Bonn, Germany
- 2022 University of Cincinnati – College of Medicine, Distinguished Lecture in Pharmacology & Systems
Physiology
- 2020 4th COST Action CardioRNA MC and WG meeting 2020, Maastricht, the Netherlands
- 2019 Gordon Research Conference on Epigenetic Regulation of Cardiovascular Disease, Hong Kong,
China
- 2019 European Society of Cardiology WG on Myocardial Function and Cellular Biology of the Heart,
Naples, Italy
- 2019 Utah Cardiac Recovery Symposium (UCARS), Salt Lake City, USA: invited lecture on
“Epitranscriptomic Mechanisms of Cardiac Recovery”

- 2018 German Cardiac Society (DGK) Autumn Meeting, Berlin, Germany
- 2018 European Society of Cardiology Heart Failure Association Winter Meeting, Les Diablerets, Switzerland
- 2018 1st Olympiad in Cardiovascular Medicine, Athens, Greece
- 2018 Frontiers in Cardiovascular Biology, Vienna, Austria
- 2017 Gordon Research Conference on Atherosclerosis , Sunday River/Maine, USA

Academic service to international scientific community

Editorial Board activity

European Heart Journal (Journal Impact Factor (2023): 37.6, ranking #2/220 in cardiac and cardiovascular systems, #1 for original research in cardiac and cardiovascular systems)

- Since 07/2024: Associate Editor
- 2021 – 2024: Editorial Board member

Cardiovascular Research (Journal Impact Factor (2023): 10.2, ranking #12/220 in cardiac and cardiovascular systems)

- Since 2023: Associate Editor
- 2017 – 2023: Editorial Board member

Circulation: Genomic and Precision Medicine (Journal Impact Factor (2023): 6)

- Since 2023: Editorial Board member
- 2017 – 2023: Assistant Editor

Frontiers in Immunology (Journal Impact Factor (2023): 5.7)

- Since 2024: Associate Editor
- 2021 – 2024: Editorial Board member

Peer-reviewer activity (scientific journals)

Advanced Science, Ageing Research Reviews, Atherosclerosis, Arteriosclerosis, Thrombosis, and Vascular Biology, Blood, Cancer Research, Cell & Bioscience, Circulation, Circulation Genomic and Precision Medicine, Circulation Research, Cardiovascular Research, EMBO J, European Heart Journal, FASEB J, iScience, Journal of the American College of Cardiology, Journal of the American College of Cardiology basic & translational science, Journal of the American College of Cardiology Oncology, Journal of the American Heart Association, Journal of Immunology, Journal of Thrombosis and Haemostasis, Molecular therapy, Nature, Nature Communications, Nature Metabolism, Nature Reviews Cardiology, Science, Signal Transduction and Targeted Therapy, Thrombosis and Haemostasis.

Peer-reviewer activity (national and international funding organizations for research and science)

European Commission:

- HORIZON programme
- Marie Skłodowska-Curie Actions

Germany:

- Deutsche Forschungsgemeinschaft (DFG) – German Research Foundation
- German Cancer Research Center (DKFZ)
- Else-Kröner Fresenius Stiftung (EKFS)
- German Cardiovascular Research Centre (DZHK)
- German Cardiac Society (DGK)

United-Kingdom:

- Wellcome Trust
- Medical Research Council (MRC)
- British Heart Foundation (BHF)
- Rosetrees
- UKRI BBSRC
- Diabetes UK

- Heart Research UK
- Diabetes Research and Wellness Foundation

USA:

- American Heart Association,
- AHA Institute of Precision Medicine
- Brown University

Switzerland:

- Swiss National Science Foundation

Canada:

- Canada Council for the Arts, National Killam Program

Netherlands:

- The Netherlands Organisation for Health Research and Development (ZonMw)
- Dutch Research Council (NWO)

Israel:

- Ministry of Science, Technology and Space

Italy:

- Italiadomani (Italian government)

Sweden:

- Swedish Research Council

Austria:

- Austria Science Fund (FWF)

Peer-reviewer activity (professional medical and research associations / societies)

Selection of scientific societies for whom I regularly review the submitted abstracts to their conferences:

- *American Heart Association (AHA)*
- *European Society of Cardiology (ESC)*
- *Heart Failure Association (HFA)*
- International Society for Thrombosis and Hemostasis (ISTH)

Publication metrics

of all publications (pubmed): 193
 # of original articles: 138
 Citations (scholar google): >11,000
 h-index: 57

Top 10 Publications as Leading Author

1. Gatsiou A[§], Tual-Chalot S, Napoli M, Ortega-Gomez A, Regen T, Badolia R, Cesarini V, Garcia-Gonzalez C, Chevre R, Ciliberti G, Silvestre-Roig C, Martini M, Hoffmann J, Hamouche R, Visker JR, Diakos N, Wietelmann A, Silvestris DA, Georgiopoulos G, Moshfegh A, Schneider A, Chen W, Guenther S, Backs J, Kwak S, Selzman CH, Stamatelopoulos K, Rose-John S, Trautwein C, Spyridopoulos I, Braun T, Waisman A, Gallo A, Drakos SG, Dimmeler S, Sperandio M, Soehnlein O, **Stellos K[§]**. The RNA editor ADAR2 promotes immune cell trafficking by enhancing endothelial responses to interleukin-6 during sterile inflammation. *Immunity*. 2023 ;56(5):979-997.e11. doi: 10.1016/j.immuni.2023.03.021. [§]co-corresponding authors
2. Georgiopoulos G*, Kraler S*, Mueller-Hennessen M*, Delialis D, Mavraganis G, Sopova K, Wenzl FA, Räber L, Biener M, Stähli BE, Maneta E, Spray L, Iglesias JF, Coelho-Lima J, Tual-Chalot S, Muller O, Mach F, Frey N, Duerschmied D, Langer HF, Katus H, Roffi M, Camici GG, Mueller C, Giannitsis E*, Spyridopoulos I*, Lüscher TF*, **Stellos K*,[§]**, Stamatelopoulos K*,[§]. Modification of the GRACE Risk Score for Risk Prediction in Patients With Acute Coronary Syndromes. *JAMA Cardiol*. 2023 ;8(10):946-956. doi: 10.1001/jamacardio.2023.2741. *first/last-equal authors, [§]co-corresponding authors

3. Stamatelopoulos K^{*},[§], Mueller-Hennessen M^{*}, Georgiopoulos G, Lopez-Ayala P, Sachse M, Vlachogiannis NI, Sopova K, Delialis D, Bonini F, Patras R, Ciliberti G, Vafaie M, Biener M, Boeddinghaus J, Nestelberger T, Koehlin L, Tual-Chalot S, Kanakakis I, Gatsiou A, Katus H, Spyridopoulos I, Mueller C, Giannitsis E^{*}, **Stellos K^{*}**,[§]. Cathepsin S Levels and Survival Among Patients With Non-ST-Segment Elevation Acute Coronary Syndromes. *J Am Coll Cardiol*. 2022 ;80(10):998-1010. doi: 10.1016/j.jacc.2022.05.055. ^{*}first/last-equal authors, [§]co-corresponding authors
4. Stamatelopoulos K^{*}, Georgiopoulos G^{*}, Athanasouli F, Nikolaou PE, Lykka M, Roussou M, Gavriatopoulou M, Laina A, Trakada G, Charakida M, Delialis D, Petropoulos I, Pamboukas C, Manios E, Karakitsou M, Papamichael C, Gatsiou A, Lambrinouadaki I, Terpos E, **Stellos K^{*}**, Andreadou I^{*}, Dimopoulos MA^{*}, Kastritis E^{*}. Reactive Vasodilation Predicts Mortality in Primary Systemic Light-Chain Amyloidosis. *Circ Res*. 2019 ;125(8):744-758. doi: 10.1161/CIRCRESAHA.119.314862. ^{*}first/last-equal authors
5. Stamatelopoulos K^{*}, Mueller-Hennessen M^{*}, Georgiopoulos G^{*}, Sachse M, Boeddinghaus J, Sopova K, Gatsiou A, Amrhein C, Biener M, Vafaie M, Athanasouli F, Stakos D, Pateras K, Twerenbold R, Badertscher P, Nestelberger T, Dimmeler S, Katus HA, Zeiher AM, Mueller C, Giannitsis E^{*}, **Stellos K^{*}**,[§]. Amyloid- β (1-40) and Mortality in Patients With Non-ST-Segment Elevation Acute Coronary Syndrome: A Cohort Study. *Ann Intern Med*. 2018 ;168(12):855-865. doi:10.7326/M17-1540. ^{*}first/last-equal authors, [§]corresponding author
6. **Stellos K[§]**, Gatsiou A, Stamatelopoulos K, Perisic Matic L, John D, Lunella FF, Jaé N, Rossbach O, Amrhein C, Sigala F, Boon RA, Fürtig B, Manavski Y, You X, Uchida S, Keller T, Boeckel JN, Franco-Cereceda A, Maegdefessel L, Chen W, Schwalbe H, Bindereif A, Eriksson P, Hedin U, Zeiher AM, Dimmeler S[§]. Adenosine-to-inosine RNA editing controls cathepsin S expression in atherosclerosis by enabling HuR-mediated post-transcriptional regulation. *Nat Med*. 2016 ;22(10):1140-1150. doi: 10.1038/nm.4172. [§]co-corresponding authors
7. Stamatelopoulos K, Sibbing D, Rallidis LS, Georgiopoulos G, Stakos D, Braun S, Gatsiou A, Sopova K, Kotakos C, Varounis C, Tellis CC, Kastritis E, Alevizaki M, Tselepis AD, Alexopoulos P, Laske C, Keller T, Kastrati A, Dimmeler S, Zeiher AM, **Stellos K[§]**. Amyloid-beta (1-40) and the risk of death from cardiovascular causes in patients with coronary heart disease. *J Am Coll Cardiol*. 2015 ;65(9):904-16. doi: 10.1016/j.jacc.2014.12.035. [§]corresponding author
8. **Stellos K[§]**, Bigalke B, Borst O, Pfaff F, Elskamp A, Sachsenmaier S, Zachmann R, Stamatelopoulos K, Schönberger T, Geisler T, Langer H, Gawaz M[§]. Circulating platelet-progenitor cell coaggregate formation is increased in patients with acute coronary syndromes and augments recruitment of CD34+ cells in the ischaemic microcirculation. *Eur Heart J*. 2013 ;34(32):2548-56. doi:10.1093/eurheartj/eh131. [§]co-corresponding authors
9. **Stellos K[§]**, Bigalke B, Langer H, Geisler T, Schad A, Kögel A, Pfaff F, Stakos D, Seizer P, Müller I, Htun P, Lindemann S, Gawaz M[§]. Expression of stromal-cell-derived factor-1 on circulating platelets is increased in patients with acute coronary syndrome and correlates with the number of CD34+ progenitor cells. *Eur Heart J*. 2009 ;30(5):584-93. doi: 10.1093/eurheartj/ehn566. [§]co-corresponding authors
10. **Stellos K**, Langer H, Daub K, Schoenberger T, Gauss A, Geisler T, Bigalke B, Mueller I, Schumm M, Schaefer I, Seizer P, Kraemer BF, Siegel-Axel D, May AE, Lindemann S, Gawaz M. Platelet-derived stromal cell-derived factor-1 regulates adhesion and promotes differentiation of human CD34+ cells to endothelial progenitor cells. *Circulation*. 2008 ;117(2):206-15. doi:10.1161/CIRCULATIONAHA.107.714691.

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- Heidelberg University
- German Research Foundation project grant (CRC1366 C07) (PI).
 - European Research Council (ERC) Starting Grant under the European Union's Horizon 2020 research and innovation programme.
 - German Center for Cardiovascular Research (DZHK) (PI).
 - Helmholtz Association Institute for AngioCardioScience (PI).
 - Health + Life Science Alliance Heidelberg Mannheim GmbH grants (PI).
- Newcastle University
- Biotechnology and Biological Sciences Research Council (BBSRC) of the UK Research and Innovation (UKRI) (PI).
 - Medical Research Council (MRC) DiMen DTP (PI).
 - Heart Research UK (co-PI).
 - British Heart Foundation (co-PI).
 - European Research Council (ERC) Starting Grant under the European Union's Horizon 2020 research and innovation programme.
- Goethe University Frankfurt
- German Research Foundation project grants (SFB834 B12 (PI), EXC 2026 Cardio-Pulmonary Institute (CPI) (co-PI), ECCPS Excellence Cluster (PI).
 - German Center for Cardiovascular Research (DZHK) (PI).
 - Else-Kröner-Fresenius-Stiftung Memorial Fellowship (PI).
 - German Cardiac Society Scholarship (PI).
 - Amandus and Barbara Pauli- Foundation (PI).
 - Hessen State Ministry of Higher Education, Research and the Arts, LOEWE Center for Cell and Gene Therapy (PI).
 - August Scheidel Foundation (PI), Paul und Ursula Klein Foundation (PI).
 - Goethe University Frankfurt (PI).
- University of Tübingen
- German Research Foundation project grants (KFO275 (co-PI), TRR19 B08 (co-PI).
 - European Society of Cardiology (ESC), Council for Basic Cardiovascular Science First Contact Initiative Grant
 - Hirnliga e.V. (PI).
 - University of Tübingen Förtune programme (PI).