Prof. Konstantinos Stellos, MD, FAHA, FESC

Work address

Research Department of Cardiovascular Research

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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 Department of Medicine (Cardiology, Angiology), University Hospital Mannheim,

Physician Mannheim, Germany.

University degrees and professional qualifications

201:	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 <i>summa cum laude</i> (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 Medicine (Cardiology, Angiology), 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, Department of 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

Hollouis 6	k Awards to Ronstantinos Stenos
2024	European Heart Journal Distinguished Reviewer Award
2024	Cardiovascular Research Top 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
	radingen, dermany

Institutional, Organization and Association/Society Leadership Positions

2024 – today	PI of the <i>German Centre for Cardiovascular Research</i> (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)
	2024-2026: Nucleus member (ex-oficio)

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 2024:2026: Member, Brain and Heart Committee 2020-2024: Member, Basic and Translational Research Committee 2019 - 2021Elected Senate professorial member of the Newcastle University, Newcastle Upon Tyne, 2019 - 2021Appointed Lead, Vascular Biology and Medicine Theme, Faculty of Medical Sciences, Newcastle University, Newcastle Upon Tyne, UK. German Centre for Cardiovascular Disease (DZHK) Rhine/Main Young-Chapter

Research Student Supervision

Coordinator

PhD theses 10 MD/DVM theses 18 Master theses 7 Undergraduate theses 9

Teaching

Tual-Chalot, S.

(NU)

2014

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 AngioCardiac 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, 2024: European Society of Cardiology Council on Basic Cardiovascular Science Young

M. (HU) Investigator Award, 1st Prize

Sopova, K. (HU) 2024: Deutsche Gesellschaft für Kardiologie (German Cardiac Society) Young

Investigator Award (DGK Abstractpreis für Klinische Lipidforschung) 2024: MD research scholarship by the DFG-funded CRC1366 graduate programme Cavlan, B. (HU)

Turchinovich, A. 2023: German Centre for Cardiovascular Research (DZHK) Partner Site

(HU) Heidelberg/Mannheim Poster Award

> 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, 2024: Foundation for Research in Rheumatology (FOREUM) research grant N. (NU) 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 2019: Top Project Award by the Royal Society of Biology, UK

Katsoulis, O. (NU)

HU: Heidelberg University, Germany; NU: Newcastle University, UK

Invited Seminars / Talks (selection)

2024	21st Global Cardio Vascular Clinical Trialists Forum (CVCT), Washington D.C., USA
2024	Cardioelite by Hygeia, HHG, Athens, Greece
2024	University of Mainz, Mainz, Germany
2024	University of Graz, Graz, Austria
2024	University of Geneva, 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	2 nd 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	1 st 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

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): 197 (+4 accepted for publication)

of original articles: 139
Citations (scholar google): >11,300
h-index: 58

Top 10 Publications as Leading Author

- 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, Koechlin 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, Lambrinoudaki 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/eht131. §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
- 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.

Sources of Extramural Research Funding to K. Stellos

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 Institute for Translational 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). 0
- o 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). 0
- Else-Kröner-Fresenius-Stiftung Memorial Fellowship (PI). 0
- German Cardiac Society Scholarship (PI). 0
- Amandus and Barbara Pauli- Foundation (PI).
- Hessen State Ministry of Higher Education, Research and the Arts, LOEWE Center for Cell and Gene Therapy (PI).
- o August Scheidel Foundation (PI), Paul und Ursula Klein Foundation (PI).
- Goethe Universisty Frankfurt (PI).

- 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
- o Hirnliga e.V. (PI).
- University of Tübingen Förtune programme (PI).

University of Tübingen