

Curriculum Vitae

Biographical Sketch

Name: **Konstantinos Stellos, MD, DM, MRCP (London), DSc, FAHA, FESC**

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<https://www.ncl.ac.uk/igm/staff/profile/konstantinosstellos.html>

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Education/Qualifications

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| 2013 | Habilitation on Internal Medicine (Dr. med. habil.; higher doctorate -DSc), Faculty of Medicine, Goethe University Frankfurt, Germany |
| 2013 | German Medical Board Certification in Internal Medicine and Cardiology, Frankfurt am Main, Germany |
| 2011 | Baden-Württemberg Certificate for University Teaching in Medicine, The Competence Center for University Teaching in Medicine of Baden-Württemberg, Ministry of Science, Research and Arts of Baden-Württemberg, Germany |
| 2007 | Doctoral research degree (Dr. med.-DM), Faculty of Medicine, University of Tübingen, Germany |
| 2005 | Medical degree (MD), Medical School, Democritus University of Thrace, Greece |

Current positions

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| 2017 – | Professor of Medicine, Chair of Cardiovascular Medicine, Chair of Epitranscriptomics, Faculty of Medical Sciences, Newcastle University, Newcastle Upon Tyne, UK. |
| 2018 – | Hon. Consultant Cardiologist, Freeman Hospital, Newcastle upon Tyne Hospitals NHS Foundation Trust, Newcastle Upon Tyne, UK. |

Previous positions

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| 2014 – 2017 | Professor of Internal Medicine and Cardiology (Apl.), Faculty of Medicine, Goethe University Frankfurt, Frankfurt am Main, Germany |
| 2013 – 2014 | Associate Professor of Internal Medicine and Cardiology (“Privatdozent”), Faculty of Medicine, Goethe University Frankfurt, Frankfurt am Main, Germany |
| 2011 – 2017 | Group Leader, Institute of Cardiovascular Regeneration, Centre of Molecular Medicine, Goethe University Frankfurt, Frankfurt am Main, Germany |
| 2011 – 2012 | Clinical fellow in Internal Medicine and Cardiology, Department of Cardiology, Centre of Internal Medicine, Goethe University Hospital Frankfurt, Frankfurt am Main, Germany |
| 2006 – 2011 | Clinical fellow in Internal Medicine and Cardiology, Department of Internal Medicine III, University Hospital of Tübingen, Tübingen, Germany |

Honours and Awards

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| 2018 | Editorial Board member at the European Society of Cardiology journal <i>Cardiovascular Research</i> |
| 2017 | European Research Council (ERC) Starting Grant (1.5M EUR) |
| 2017 | Assistant Editor at the American Heart Association journal <i>Circulation: Genomic and Precision Medicine</i> |

- 2017 German Cardiac Society (DGK) Oskar-Lapp Research Prize 2017
- 2016 Fellow of the European Society of Cardiology (FESC)
- 2015 American Heart Association (AHA) Young Investigator Award Winner, Council on Functional Genomics and Translational Biology
- 2014 American Heart Association (AHA) Early Career Investigator Award Finalist, Council on Arteriosclerosis, Thrombosis and Vascular Biology
- 2014 German Cardiac Society (DGK) Inge-Edler Research Scholarship
- 2014 Fellow of the American Heart Association (FAHA)
- 2014 German Heart Foundation (DHS) Wilhelm P. Winterstein-Award 2014
- 2014 German Cardiac Society (DGK) Hans Blömer-Young Investigator Award for Clinical Cardiology Finalist
- 2010 Ewald und Karin Hochbaum Foundation Award awarded by the Medical Faculty of the University of Tübingen, Germany
- 2010 European Society of Cardiology (ESC), Council for Basic Cardiovascular Science First Contact Initiative Grant
- 2008 German-Romanian Academy of Sciences & German Society of Internal Medicine Paul-Schölmerich Award for 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 University of Tübingen doctoral research thesis graded with “Summa Cum Laude”

Honours and Awards to Lab Members only the last 2 years

- 2019 Simon Tual-Chalot: selected for the British Atherosclerosis Society Early Career Investigator Award
- 2019 Orestis Katsoulis (undergrad student): Top Project Award by the Royal Society of Biology, UK
- 2019 Aikaterini Gatsiou: travel grant and oral presentation at the ESC congress 2019 in Paris, France
- 2019 Marco Sachse: oral presentation at the ESC congress 2019 in Paris, France
- 2019 Simon Tual-Chalot: British Cardiovascular Society and British Heart Foundation Annual Conference 2019 Highest Scoring Abstract Basic Science, Manchester, UK
- 2019 Simon Tual-Chalot: British Cardiovascular Research Society and British Atherosclerosis Society Best Oral Abstract Prize Runner-Up, Manchester, UK
- 2019 Gayathri Rajesh Nair (undergrad student): Newcastle University Research Scholarship
- 2019 Nikolaos Vlachogiannis: travel grant and oral abstract presentation at the Annual European Congress of Rheumatology (EULAR 2019), Madrid, Spain
- 2019 Aikaterini Gatsiou: invited talk at the Gordon Research Seminar on Next-Generation Epitranscriptomics in Health and Disease 2019, Tuscany, Italy
- 2019 Georgios Georgiopoulos: European Association of Cardiovascular Imaging (EACVI) research grant for a fellowship on CMR at St Thomas' Hospital London, London, UK
- 2018 Aikaterini Gatsiou: invited talk at the German Cardiac Society (DGK) conference 2018, Mannheim, Germany
- 2018 Georgios Georgiopoulos: one-year research scholarship by the Hellenic Society of Cardiology (EKE)
- 2018 Nikolaos Vlachogiannis: selected participant of the 68th Lindau Nobel Laureate Meeting 24–29 June 2018
- 2018 Aikaterini Gatsiou: summa cum laude for her PhD thesis at the Goethe University Frankfurt

- 2018 Kimon Stamatiopoulos: promoted to Associate Professor of Medicine of the University of Athens, Greece
- 2018 Aikaterini Gatsiou: invited talk at the German Cardiac Society annual congress 2018
- 2018 Georgios Georgiopoulos: 1.5 year research scholarship by State Scholarships Foundation (IKY)

Patent

- 2012 Fusion protein and its uses (US Patent App. 13/631,497, 2012)

Reviewer activity

Invited grant/fellowship proposal evaluator for the German Research Foundation (DFG), Germany/ Netherlands Organisation for Health Research and Development, the Netherlands/ Medical Research Council (MRC), UK/ German Cardiac Society (DGK), Germany/ American Heart Association (AHA), USA/ Institute of Precision Medicine, American Heart Association/ Swiss National Science Foundation/ Diabetes Research and Wellness Foundation, UK/ Netherlands Organisation for Scientific Research (NWO/ZonMw)/ World Hellenic Biomedical Association summer school 2016/ Institute for the Study and Education on Thrombosis and Antithrombotic Therapy (ISETAT), Greece/ Else Kröner Fresenius Foundation, Germany

Invited abstract reviewer for the American Heart Association Scientific Sessions 2019/ European Society of Cardiology conference 2019/ International Society for Thrombosis and Hemostasis (ISTH) conference 2019 in Australia/ American Heart Association Scientific Sessions 2018/ European Society of Cardiology conference 2018/ European Society of Cardiology Congress 2017 (and YIA judge)/ American Heart Association Scientific Sessions 2017/ American Heart Association Scientific Sessions 2016/ Joint International Meeting Perspectives in Vascular Biology 2016

Ad hoc manuscript reviewer for (selection): Nature Communications, EMBO J, Nature Reviews Cardiology, JACC, Circulation, Circulation Research, Blood, European Heart Journal, Arteriosclerosis Thrombosis and Vascular Biology, Cardiovascular Research, Journal of Thrombosis and Haemostasis, Genes, British Journal of Pharmacology, International Journal of Cardiology, Thrombosis and Haemostasis, Atherosclerosis, Innate Immunity, Acta Physiologica, Journal of Translational Medicine, Cell Physiology and Biochemistry.

Editorship

- 2019 Invited Guest-Editor for a Special Issue on “RNA Therapeutics and Site-Directed RNA Editing of the journal Genes
- 2018 Editorial Board member of the journal Cardiovascular Research
- 2017 Assistant Editor of the AHA journal *Circulation: Genomic and Precision Medicine*
- 2014 Associate Editor, *Journal of Alzheimer’s Disease*
- 2013 Guest-Editor, *Current Alzheimer Research* journal, special issue on “Vascular Pathophysiology of Alzheimer’s Disease”
- 2011 Guest-Editor, *Current Vascular Pharmacology* journal, special issue on “Platelets in Vascular Homeostasis and Inflammation: Current Perspectives from Bench to Bedside”

Teaching activities and Institutional responsibilities

- 2019 – Senate professorial member of the Newcastle University, UK
- 2019 – Promotions Committee member, Faculty of Medical Sciences, UK
- 2018 – Lectures and Research-led teaching on Undergraduate Biosciences on Biochemistry, Biomedical Sciences, Biomedical Genetics, Pharmacology, and Physiological Sciences
- 2018 – Lectures and Research-led teaching on MRes Programmes of the Faculty of Medical Sciences, Newcastle University
- 2018 – Founder and Head, Cardiovascular Disease Prevention Hub, Newcastle University and Newcastle Hospitals NHS Foundation Trust, Newcastle Upon Tyne, UK

Organization of scientific meetings (only the last 3 years)

- 2017 – 2019 Faculty, European Society of Cardiology Conference 2017 (Barcelona, Spain), 2018 (Munich, Germany) and 2019 (Paris, France)
- 2016 – 2019 Faculty, American Heart Association Scientific Sessions 2016 (New Orleans, USA), 2017 (Los Angeles, CA, USA), 2018 (Chicago, USA), 2019 (Philadelphia, USA)
- 2016 - 2018 Faculty, European Society of Cardiology Frontiers in Cardiovascular Biology (FCVB) Meeting 2016 (Florence, Italy) and 2018 (Vienna, Austria)

Invited presentations to international meetings (selection of the last 3 years)

Invited lectures: >100; abstract-based talks (incl. those of my group members): >300

Selected Talks/Lectures:

- 2019 Gordon Research Conference on Epigenetic Regulation of Cardiovascular Disease, Hong Kong, China: invited talk on “RNA modifications in Health and Disease”
- 2019 European Society of Cardiology WG on Myocardial Function and Cellular Biology of the Heart, Naples, Italy: invited lecture on “Reprogramming the Heart: RNA Editing in Health and Disease”
- 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: invited talk on “RNA modifications in cardiovascular disease”
- 2018 European Society of Cardiology Heart Failure Association Winter Meeting (Les Diablerets, Switzerland): invited lecture on “RNA editing on endothelial control”.
- 2018 WHBA 1st Olympiad in Cardiovascular Medicine, Athens, Greece: invited lecture on “The Dawn of Epitranscriptomic Medicine”
- 2018 Frontiers in Cardiovascular Biology (Vienna, Austria): invited lecture on “RNA Editing”
- 2017 Gordon Research Conference on Atherosclerosis (Sunday River/Maine, USA): invited lecture on “RNA modifications in vascular inflammation”.
- 2017 Munich University (LMU) (Munich, Germany): lecture on “Role of epitranscriptomics in vascular inflammation”.
- 2017 World Hellenic Biomedical Association (WHBA) Summer School (Mani, Greece): lecture on “Epitranscriptomics in cardiovascular disease”.
- 2017 Excellence Cluster on Cardiovascular Systems Retreat (Bad Nauheim, Germany): lecture on “RNA editing in cardiovascular disease”.
- 2017 Biomedical Research Foundation of the Academy of Athens (Athens, Greece): special seminar on “Novel RNA metabolism mechanisms in cardiovascular disease”.
- 2017 Heidelberg University (Munich, Germany): lecture on “RNA editing in vascular homeostasis and disease”.
- 2017 Hannover Medical School (Hannover, Germany): lecture on “RNA editing in vascular homeostasis and disease”.
- 2017 German Cardiac Society (DGK) Annual Congress 2017 (Mannheim, Germany): talk on “Incremental prognostic value of amyloid- β plasma levels over the GRACE score in non-ST elevation acute coronary syndromes”.

Commissions of trust

- 2018 - American Heart Association Council on Genomic and Precision Medicine Professional/Public Education & Publications Committee member
- 2016 - American Heart Association, Council on Functional Genomics and Translational Biology Early Career Committee member/adviser
- 2016 - 2019 European Society of Cardiology (ESC), Council on Basic Cardiovascular Science Scientists of Tomorrow nucleus member/adviser
- 2014 German Centre for Cardiovascular Disease (DZHK) Rhine/Main Young-Chapter Coordinator

Current Research Support

- 06/2018 – 5/2023 PI of a 5-year ERC Starting Grant on "Endothelial RNA modifications in vascular homeostasis and disease (MODVASC)" awarded by European Research Council (ERC). Budget: 1.5M EUR
- 01/2018 – 12/2021 PI of a 4-year project grant on "The function of ADAR1 in vascular growth and homeostasis" awarded by the German Research Foundation (DFG). Budget: 400K EUR

Past Research Support

- 2017/2018 Co-Applicant/co-PI and Awardee of the multi-million 7-year research network grant named "Cardio-Pulmonary Institute" awarded by the German Research Foundation (DFG). Total budget: 50M EUR. Since I relocated to the Newcastle University, UK, I declined the award.
- 01/2015 – 12/2016 PI of a 2-year project grant on "Role of ADAR1 in Vascular Homeostasis in Vivo" awarded by the Excellence-Cluster on Cardio-Pulmonary Systems (ECCPS) of the German Research Foundation (DFG). Budget: 150K EUR.
- 01/2016 – 12/2016 PI of a project grant on the "Role of RNA editing of cathepsin S mRNA in bone marrow-derived cell therapy" awarded by the LOEWE Center for Cell and Gene Therapy (State of Hesse), Germany. Budget: 100K EUR.
- 01/2016 – 12/2017 PI of a project grant on the "Effect of adenosine-to-inosine RNA editing in lncRNA function" awarded by the German Center for Cardiovascular Research (DZHK). Budget: 130K EUR.
- 01/2015 – 12/2015 PI of a project grant on the "Role of RNA editing in endothelial microRNA pathway: implications in microRNA therapeutics" by the LOEWE Center for Cell and Gene Therapy (State of Hesse), Germany. Budget: 50K EUR.
- 05/2014 – 04/2016 PI of a 2-year Else-Kröner Memorial Fellowship grant on the "Role of endothelial cell ADAR2 in angiogenesis" by the Else Kröner-Fresenius Foundation. Budget: 200K EUR.
- 02/2014 – 12/2014 PI of a project grant on the "Effect of RNA editing in microRNA therapeutics" by the LOEWE Center for Cell and Gene Therapy (State of Hesse), Germany. Budget: 53.4K EUR
- 01/2014 – 12/2015 PI of the Inge-Edler Research Scholarship on the "Incremental prognostic value of amyloid- β plasma levels in non-ST-segment elevation acute coronary syndromes" awarded by the German Cardiac Society Budget: 25K EUR.
- 01/2014 – 12/2015 PI of a project grant on the "Role of ADAR2 in biogenesis of endothelial cell miRNAs: Implications for angiogenesis" awarded by the Amandus and Barbara Pauli-Foundation. Budget: 10K EUR.
- 01/2013 – 12/2014 PI of a project grant on the "Role of Adenosine Deaminase Acting on RNA-2 in Glycoprotein-130 Expression and Signalling: Implications in Vascular Inflammation and Atherosclerosis" by the Excellence-Cluster on Cardio-Pulmonary Systems (ECCPS) of the German Research Foundation (DFG). Budget: 150K EUR
- 11/2012 – 04/2014 Research Fellowship on the "Role of Adenosine Deaminases acting on RNA in angiogenesis" of the German Cardiac Society. Budget: 75K EUR.
- 01/2012 – 12/2013 PI of a project grant on "Role of endothelial RNA editing in angiogenesis" awarded by the August Scheidel Foundation. Budget: 33.6K EUR.
- 01/2012 – 12/2013 PI of a project grant on "MiRNA editing in vascular inflammation and senescence" awarded by the Goethe University Frankfurt Innovation Programme. Budget: 50K EUR.
- 08/2011 – 07/2012 PI on a project grant on the "Role of IL-17RA and CXCR7 on platelet function and platelet-induced angiogenesis" awarded by the Goethe University Frankfurt. Budget: 66K EUR.

- 2011 Co-Applicant/co-PI and Awardee of a project grant on the “Interaction of platelet-derived inflammatory mediators and their receptors CXCR4 and CXCR7 regulating platelet function and inflammation” awarded by the German Research Foundation (DFG). Budget: 598.5K EUR. I declined my participation in this grant due to my relocation from the University of Tübingen to the Goethe University Frankfurt, Germany.
- 2009 – 2011 PI on a project grant on the “Role of junctional adhesion molecule-A and -C in adhesion, transmigration and differentiation of progenitor cells: Implications in vascular and myocardial regeneration” awarded by the University of Tübingen Förtune program. Budget: 79.85K EUR.
- 2009 – 2010 PI on a project grant on the “Role of plasma microparticles in the pathophysiology of Alzheimer’s disease” awarded by the Hirnliga e.V. Budget: 24.67K EUR.
- 01/2008-12/2012 Co-PI of a project grant on “CXC/CX3C Chemokine Receptors and PI3-Kinase-Dependent Intracellular Signaling in DCMi” awarded by the German Research Foundation (DFG). Budget: 385.1K.

Bibliometric analysis

Total publications: 138 / Original: 104 / Review: 24 / Editorials: 10

h-index: 46 (source: Scholar Google)

Citations: 6,114 (source: Scholar Google); average citations per item: 44.3

Selected Publications as Senior/Corresponding Author in the last 5 years

1. Vlachogiannis NI, Gatsiou A, Silvestris DA, Stamatelopoulos K, Tektonidou MG, Gallo A, Sfrikakis PP*, Stellos K*. Increased adenosine-to-inosine RNA editing in rheumatoid arthritis. *J Autoimmun.* 2019 Sep 4;102329. doi: 10.1016/j.jaut.2019.102329 *IF 2019: 7.5*
2. Stamatelopoulos K, Georgiopoulos GA, 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 IV, Terpos E, Stellos K*, Andreadou I*, Dimopoulos MA*, Kastiris E*. Reactive Vasodilation Predicts Mortality in Primary Systemic Light Chain (AL) Amyloidosis. *Circ Res.* 2019 Aug 12. doi: 10.1161/CIRCRESAHA.119.314862
*Equal senior authorship *IF 2019: 15.9*
3. 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. *IF 2018: 19.4*
4. Stamatelopoulos K, Pol CJ, Ayers C, Georgiopoulos G, Gatsiou A, Brilakis ES, Khera A, Drosatos K, de Lemos J, Stellos K. Amyloid-beta (1-40) peptide and subclinical cardiovascular disease in the general population: the Dallas Heart Study. *J Am Coll Cardiol.* 2018; 72:1060-61. *IF 2018: 16.8*
5. Stellos K, Gatsiou A, Stamatelopoulos K, Perisic L, John D, Lunella FF, Jae N, Rossbach O, Amrhein C, Sigala F, Boon RA, Fürtig B, Manavski Y, You X, Uchida S, Keller T, Boeckel JN, Franco-Cedera 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 posttranscriptional regulation. *Nature Medicine* 2016; 22:1140-1150. *IF 2015: 30.4*
6. Stamatelopoulos K, Sibbing D, Rallidis LS, Georgiopoulos G, Stakos D, Braun S, Gatsiou A, Sopova K, Kotakos C, Varounis C, Tellis CC, Kastiris E, Alevizaki M, Tselepis AD, Alexopoulos P, Laske C, Keller T, Kastrati A, Dimmeler S, Zeiher A, 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; 65:904-16. *IF 2015: 16.5*