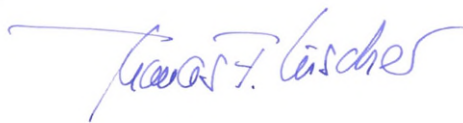


# CURRICULUM VITAE

## THOMAS F. LÜSCHER M.D., FRCP, FESC

### CURRICULUM VITAE

- A. Person and Education
- B. Clinical Training and Activity
- C. Staff Positions
- D. Clinical Activity
- E. Research Activities
- F. Education and Publishing



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Director of Research, Education & Development  
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# CURRICULUM VITAE

## A. PERSON AND EDUCATION

Name Thomas Felix Lüscher  
 Nationality Swiss  
 Languages German, English, French, Italian  
 Marital status Married, two children

### University degrees

Habilitation «Endothelial Vasoactive Substances and Cardiovascular Disease», (equivalent to PhD thesis), *University of Basel, Switzerland*

U.S. Medical Examinations Visa Qualifying Examination (V.Q.E.) *Frankfurt, Germany*  
 Certification of the Educational Commission for Foreign Medical Graduates (E.C.F.M.G.), Frankfurt, Germany

Doctoral thesis «Extrarenal manifestations of fibromuscular renovascular hypertension», *University of Zurich, Switzerland*



### Academic positions

2019 – present Professor of Cardiology King's College, London, UK  
 2018 – 2023 Professor of Cardiology Imperial College, London, UK  
 2017 – present Professor of Cardiology and Cardiovascular Physiology, University of Zurich, Switzerland (50%)  
 2004 – 2017 Professor of Cardiology and Cardiovascular Physiology, University of Zurich, Switzerland (100%)  
 1996 – 2004 Professor of Cardiology, University of Zurich, Switzerland  
 1993 – 1996 Professor of Medicine (Cardiology), University of Berne, Switzerland  
 1992 – 1996 Professor of Medicine (Pharmacotherapy), University of Basel, Switzerland  
 1989 – 1992 Assistant Professor of Medicine (Privatdozent), University of Basle, Switzerland

### Board certificationa

1989 Swiss Board of Cardiology  
 1987 Swiss Board of Internal Medicine  
 2017 License to Practice, Cardiology, General Medical Council, United Kingdom

## B. POSTGRADUATE TRAINING IN MEDICINE

### Training in Internal Medicine and Cardiology

- Echocardiography Laboratory (Head: Dr. A.J. Tajik), Division of Cardiovascular Diseases and Internal Medicine (Chairman: Dr. H.C. Smith), Department of Medicine (Chairman: Dr. R.E. Weeks), Mayo Clinic, Rochester, MN, USA
- Research Associate, Cardiovascular Physiology (Heads: Dr. J.T. Shepherd and Dr. P.M. Vanhoutte), Department of Physiology and Biophysics, (Chairman: Dr. J. Szurszewski), Mayo Clinic and Mayo Foundation, Rochester, MN, USA
- Division of Cardiology (Head: Dr. H.P. Krayenbühl), Department of Internal Medicine, Medical Policlinic (Chairman: Dr. W. Siegenthaler), University Hospital Zurich, Switzerland
- Department of Internal Medicine (Chairman: Dr. W. Siegenthaler) University Hospital Zurich, Switzerland

## C. STAFF POSITIONS

- Director of Research, Education & Development, Royal Brompton and Harefield Hospitals, GSTT, London, UK (80%; 2017 – present)
- Chairman, Center for Molecular Cardiology, University of Zurich, Switzerland (20%; 2014 – present)
- Chairman of Cardiology, University Hospital Zurich, Switzerland (1996 – 2017)
- Vice-Chairman of Cardiology, University Hospital (Inselspital), Bern, Switzerland (1994 – 1996)
- Director, Clinical Pharmacology, University Hospital Basel, Switzerland (1990 – 1993)

## D. RESEARCH ACTIVITIES

- **Applied Basic Research:** Focus on the role of endothelium-derived mediators (i.e. nitric oxide, reactive oxygen species, prostaglandin H<sub>2</sub>, endothelin-1 and tissue factor) in the regulation of vascular tone, platelet-vessel wall interaction, coagulation (tissue factor) as well as vascular structure in physiology and in hypertension, in high LDL-cholesterol and HDL dysfunction and atherosclerosis (with a focus on LOX-1) using cellular and molecular techniques as well as genetically engineered animal models. More recently, aging (p66<sup>shc</sup>) and longevity genes (Sirtuins, jun-D) in wild-type and diabetic mice have been studied.
- **Clinical Research:** Translation of basic findings and focus on vascular dysfunction in hypertension, hyperlipidemia, coronary artery disease and congestive heart failure employing plethysmography, ultrasound, angiography, IVUS, optical coherence tomography, positron emission tomography and magnetic resonance imaging. Also, nutritional and pharmacological interventions and of devices and catheter-based interventions are investigated.
- **Registries:** The natural history has and is further investigated in large registries enrolling patients with acute coronary syndromes (Swiss SPUM-ACS registry; n=4'947; the AMIS-Plus registry, n =50'000, the HEART-ACS registry, Harefield Hospital, n= 600, but still recruiting,), Tako Tsubo Registry (InterTAK Registry; n=2'100; 2014- 2018).
- **Clinical Multicenter Trials:** Translation of knowledge into clinical practice in the following trials (all published in high impact journals; see list of publications):
  - ENCORE-1: Effects of a calcium antagonist and/or statin on coronary vasomotion.
  - ENCORE-2: Effects of a calcium antagonsit and/or statin on coronary plaque volume.
  - SIRTAX: Sirolimus- vs. Paclitaxel-coated stents on outcomes in chronic coronary

- COMFORTABLE: Effect of biolimus-eluting stents with biodegradable polymer vs bare-metal stents on CV events among patients with acute myocardial infarction.
- HEAT: Hemodynamic effects of the ET<sub>A</sub>-antagonist Darusentan in heart failure (HFrEF).
- EARTH: Effects of of the ET<sub>A</sub>-antagonist Darusentan on left ventricular remodelling.
- FAIR-HF: Effects of iron supplementation on QoL and performance in HFrEF.
- Dal-VESSEL: Effects of the CETP inhibitor Dalcetrapib on endothelial function. Exetimibe
- PANACEA: Effects of Pycnogenol on endothelial function.
- Cacao-Vasomotion: Effects of Epicatechin on coronary vasomotion.
- PRECISION: Cardiovascular safety of Celecoxib and NSAIDs on patients with Osteoarthritis or Rheumatoid arthritis.
- BIO-VITESSE: A first-in-men study with a Drug-eluting.
- CLEVER-ACS: Effects of Everolimus on infarct size in patients with STEMI.
- MULTISTARS: Immediate multi-vessel stenting vs. culprit artery only in STEMI

### **Board Memberships and Reviewing of Academic Institutions**

2020	Reviewer of the Research Programmes of Charles University, Czech Republic
2019	Reviewer of the Research Programme of the University of Mainz, FRG
2013 – 2019	Chairman of the Scientific Advisory Board, Centro Nacional de Investigaciones de Cardiologia, Madrid, Spain
1998 – 2015	Chief Reviewer, Max-Delbrück-Center, Charité University, Berlin-Buch, FRG
1999	Chief Reviewer of the Amsterdam Academic Center, Amsterdam, The Netherlands
1999	Reviewer of the German Ministry for Research, University of Würzburg, FRG
1997	Reviewer of the British Heart Foundation Professorship at University College London; UK

### **Honorary Memberships**

- Croatian Society of Cardiology
- Hungarian Society of Cardiology
- Japanese Circulation Society
- Japanese College of Cardiology
- Peruvian Society of Cardiology
- Romanian Society of Cardiology
- Swiss Society of Cardiology

### **Awards**

2024	Gold Medal of the Serbian Society of Cardiology, Belgrad, Serbia
2023	Albert Struyvenberg Award of the European Society of Clinical investigation
2019	Award for the Best Textbook in Cardiology by the British Medical Association
2019	Andreas-Güntzig-Award, Swiss Society of Cardiology
2018	C3 Interventional Academy Award ,Complex Cardiovascular Catheter Therapeutics
2018	Werner Forssmann Award, Charité Berlin, FRG
2018	Medal of the Jagiellonian University of <i>Krakow</i> , Poland
2018	Gold Medal of the Serbian Heart Failure Society, Belgrad, Serbia
2017	Paul-Morawitz-Award of the German Society of Cardiology, Mannheim, Germany
2012	Mayo Distinguished Alumni Award. <i>Mayo Clinic, Rochester, Mn., USA</i>
2008	The Khwarizmi International Award, <i>Islamic Republic of Iran</i>
2007	ESC Andreas Grüntzig Lecture on Interventional Cardiology and Silver Medal, Annual Meeting of the European Society of Cardiology, Vienna, Austria.
2001	Björn Folkow Award of the European Society of Hypertension, <i>Milan, Italy</i>
2001	Theodor-Nägeli Award for Thrombosis Research (together with M. Eto)
1994	W.H. Hauss-Preis (together with Barry S. Oemar), German Society for Atherosclerosis Research, Tübingen, Germany

- 1993 Attilio Reale Prize for Basic Cardiology, Rome, Italy
- 1993 Mack Forster Award, European Society for Clinical Investigation
- 1991 Volhard-Prize, German Society of Nephrology, Heidelberg, Germany
- 1990 Young Investigator Award (1<sup>st</sup> Prize), 11th World Congress of Cardiology, Manila, Philippines
- 1990 Scientific Prize, Swiss Society of Internal Medicine, Lausanne, Switzerland

### **Named Lecturerships and Visiting Professorships**

1. Key-Note-Lecture «Intelligence Artificielle et Machine learning: Le future de la Cardiologie... et du Cardiologue?», Journée Européenne, Société Française de Cardiologie, Paris, 19.01. 2025.
2. Key-Note-Lecture “Frontiers in Cardiovascular Research: Addressing Unmet Medical Needs” L2 Cardiovascular Research Conference, Bern, 14.01.2025
3. Key-Note-Lecture “AI/ML in cardiovascular medicine” Cardiology Update London, Royal Society of Medicine, London, UK, 09.12. 2024
4. Key-Note-Lecture “The future of cardiology”, Croatian Society of Cardiology, Zagreb, Croatia, 30.11.2024
5. Key-Note-Lecture “Von Kräutern zu Pillen und Nukleinsäuren.” Die Pharmakologische Revolution – Nukleinsäuren als Therapeutika. Walter-Siegenthaler-Gesellschaft Kön, 08.10.2024
6. Master Lecture “Heart Failure where have we been and where are we going”, MasterCourse on Heart Failure, Bucharest, Romania, 31.10. 2024
7. Key-Note-Lecture “How European Society of Cardiology helps to create the future of cardiology”, Belgrade, Serbia, 25.10. 2024
8. Key-Note-Lecture “How artificial intelligence will impact cardiology and cardiovascular research”, Cologne Congress on Inflammation, Stress and Signalling in Vascular disease, 19.10. 2024
9. Key-Note-Lecture “The future of cardiology”, Belgium Society of Cardiology, Brussels, 2024
10. Key-Note-Lecture «From Eisenhower’s Heart Attack to Modern Cardiology», Journée Européenne de la Société Française de Cardiologie, Paris, 19.01. 2024
11. Future Perspectives in Heart Failure and Cardiomyopathies, Annual Conference of the Working Group on Myocardial and Pericardial Disease, Belgrad, Serbia 15.11. 2023,
12. Pier Frederico Angelino Memorial Lecture “History of myocardial infarction: From Eisenhower to today”, 35<sup>e</sup> Giornate Cardiologiche Torinesi, Turin, Italy, 27.10. 2023.
13. Robert L. Frye Lecture “The Future of Cardiology”, Mayo Clinic, Rochester, Minn., USA, 11.09. 2023
14. Hugh Sinclair Lecture "From Endothelial Dysfunction to acute coronary syndromes - a journey through atherosclerosis" British Atherosclerosis Society, 08.09. 2023
15. Key-note-lecture «Covid-19, in the end, is an endothelial disease» Journée Printemps, Société Française de Cardiologie, 27.5. 2021
16. State-of-the-Art Lecture “From Herbs to pills and genetic tolls – the future of pharmacotherapy”, CardioEgypt2022, Egyptian Society of Cardiology, Cairo, Egypt, 23.02. 2022.
17. Paul Wood Professorship Key-Note-Lecture “The Secret of Success of Heart Failure – A Lesson for Adult Congenital Heart Disease?”, Adult Congenital Heart Disease Virtual, 21.09.2020, London.
18. State-of-the-Art Lecture “History of Modern Cardiology”, CardioEgypt2019, Egyptian Society of Cardiology, Cairo, Egypt, 28.02. 2019.
19. Keynote Lecture «Excel, Explain, Excite», PhD Day 2019 Aarhus University, Denmark, 2019.
20. Keynote Lecture «Managing Acute Coronary Syndromes: From Eisenhowers Heart Attack to the Future of Cardiology», World Congress of Cardiology, Dubai, U.A.E., 8.12. 2018.
21. Keynote Lecture «Endothelial dysfunction in cardiovascular disease», 8th Biennial Meeting of the Association for European Cardiovascular Pathology, Lausanne, 13.10. 2018.
22. Keynote Lecture «Acute Coronary Syndromes : What we have achieved and what remains to be done », Great Wall Conference, Beijing, China, 12.10. 2018.
23. Keynote Lecture «Personalized Cardiovascular Medicine - this is just a start!», Cardiology Update, 500 Year Anniversary of the Royal College of Physicians, London, September 13, 2018
24. Keynote Lecture «A look into the future: Cardiology in 2028» , Symposium Innovation in Cardiology, Hotel de Dieu, Beirut, Lebanon, 7.9. 2018.

25. Keynote Lecture «Frontiers in Acute Coronary Syndromes : Achievements and Challenges», Complex Cardiovascular Catheter Therapeutics, Orlando Florida, USA, 18.6. 2018.
26. «What is a normal blood pressure ?», European Society of Cardiology, Barcelona, June 10, 2018
27. Keynote Lecture «Towards a new definition of Tako Tsubo Syndrome», Belgian Acute Cardiac Care Congress, Brussels, 7.6. 2018.
28. Werner Forssmann Lecture «The future of cardiovascular medicine», Berlin Heart Academy, 2018
29. Keynote Lecture «The best papers in 2017», STEMI Africa, Nairobi, May 5, 2018
30. Keynote Lecture «From Eisenhowers heart attack to modern cardiology», Hopital Universitaire Genevois, Geneva, Switzerland, 22.3. 2018.
31. Keynote Lecture. «The heart and the brain», ATHENA 2018, Athens, Greece, March 3, 2018
32. Keynote Lecture. «Inflammation and plaque rupture – from mechanisms to therapeutic targets». European Society of Clinical Investigation, Genova, Italy, 17.3. 2017.
33. Keynote Lecture «From Eisenhowers heart attack to modern cardiology», Peruvian Society of Cardiology, Lima, Peru, 30.4. 2017.
34. Keynote Lecture. «Aging the Next Disease? Inborn Molecular Mechanisms of Organ Dysfunction». 77<sup>th</sup> National Congress of the Italian Society of Cardiology, Rome, Italy 2016
35. Special Lecture. «Frontiers in Cardiology: Successes, Failures and Perspectives». 80<sup>th</sup> Annual Meeting Japanese Circulation Society, Sendai, Japan, 2016
36. Jaap de Graeff Lecture: «From Eisenhower's heart attack to modern cardiology», Leiden University Medical Center, 2015.
37. Sakamoto Lecture. «All the presidents men – a history in case reports», 62<sup>nd</sup> Meeting of the Japanese College of Cardiology, Sendai, Japan, 2014.
38. 6<sup>th</sup> Robert L. Krakoff International Lectureship. «From Eisenhower's heart attack to modern management of acute coronary syndromes» and «Aging genes and cardiovascular disease», Harvard Medical School Boston, USA, 2014.
39. Michael Davies Lecture. «Lipids and lipoproteins in 2012», St. George's Hospital, London, 2012
40. 13<sup>th</sup> Arnold L. Johnson Lecture. «From Eisenhower's heart attack to modern management of acute coronary syndromes», McMaster University, Hamilton Canada, 2012.
41. Lancet Lecture. «No sports!», Cardiology at the Limits, Cape Town, South Africa, 2012.
42. Helmut Drexler Lecture. «Non-lipid genes and atherosclerosis», Cardiology Forum, Rome, 2010
43. Paul M. Vanhoutte Lecture. «The vessel on fire: From endothelial dysfunction to acute coronary syndromes», 10<sup>th</sup> International Symposium on Mechanisms of Vasodilation, Japan, 2009.
44. Andreas Grüntzig Lecture. «Coronary intervention – where mechanics meets biology», European Society of Cardiology, Vienna, 2007.

### Citation Index Ranking

- Personal citation index 1885 – present: h-index = 156 Scopus 2024)
- Most Cited Physiologists in Europe 1996 – 2006, Position Nr. 3 (10'491 Citations in Physiology), Lab-Times 2, 38 – 40, 2008.
- Physiology, German-speaking countries, most cited physiologist (Laborjournal 2006)
- Physiology Research, German-speaking countries 1997 – 1999, Position Nr. 1 (2005)
- Institute for Scientific Information, Philadelphia USA: 0.5% most cited scientists (2002)
- Cardiovascular Research (including cardiology and all related disciplines of basic and clinical research in this area), German-speaking countries 2000 – 2002, Position Nr. 3 (2002)
- Cardiovascular Research (including cardiology and all related disciplines of basic and clinical research in this area), German-speaking countries 1997 – 1999, Position Nr. 1 (2002)

### Memberships in Professional Societies

2001 – 2016	Academia Europaea
1985 - 1987	American College of Physicians (Associate)
1985 - Present	American Heart Association, Council of Circulation
1985 - 2000	American Society of Hypertension (Charter Member)
1986 - 1989	American Society of Nephrology
2017 - Present	British Cardiovascular Society

1988 - 1997	European Society of Clinical Investigation (Board Member)
1989 - 2000	European Society of Hypertension
1984 - 2000	International Society of Hypertension
1982 - Present	Swiss Hypertension Society
1988 - 2000	Swiss Society of Internal Medicine
1988 - Present	Swiss Society of Cardiology
1978 - Present	Swiss Society of Physicians (Federation Medicorum Helveticorum)

### **Fellowships and Honorary Memberships in Professional Societies**

1991 - Present	American College of Cardiology (Fellow)
1989 - Present	American Heart Association, Council High Blood Pressure Research (Fellow)
1988 - 2000	American Physiological Society (Corresponding Member)
1988 - Present	European Society of Cardiology (Fellow and Board Member 1996 - present)
1988 - 1992	International College of Angiology
2012 - Present	<i>Japanese Circulation Society (Honorary Member)</i>
2014 - Present	<i>Japanese College of Cardiology (Honorary Member)</i>
2017 - Present	<i>Peruvian Society of Cardiology (Honorary Member)</i>
1999 - Present	Royal College of Physicians London

### **Offices in Professional Societies**

2024 – 2026	President, European Society of Cardiology
2022 – 2024	President Elect, European Society of Cardiology
2020 - 2022	Secretary/Treasurer, European Society of Cardiology
2018 - 2023	Member, Education Committee, British Cardiovascular Society
2009 - 2020	Chairman Publications Committee, European Society of Cardiology
2006 - 2008	Member, Nominating Committee, European Society of Cardiology
2004 - 2006	Past-President, Swiss Society of Cardiology
2002 - 2004	<i>President, Swiss Society of Cardiology</i>
2002 - 2004	Vice-President (Working Groups), European Society of Cardiology
2000 - 2002	Vice-President, Swiss Society of Cardiology
2000 - 2002	Chairman, Programme Committee, European Society of Cardiology
1996 - 1998	Chairman, WG Coronary Circulation, European Society of Cardiology
1994 - 1996	President, <i>Swiss Society of Hypertension</i>
1994 - 1996	Counsellor, <i>European Society for Clinical Investigation</i>

## **E. EDUCATION**

### **Postgraduate Courses**

- Lecturing worldwide for postgraduates and board certified physicians
- Postgraduate Course in Heart Failure London, 1<sup>st</sup>-3<sup>rd</sup> edition, 2018-2026
- Postgraduate Course on Heart Failure Zurich 2015-2017
- ESC Postgraduate Course Cardiology Update, 1995-2020, Davos, Switzerland
- ESC Postgraduate Course Cardiology Update London, 2017 - 2025
- ESC Postgraduate Course London Shock, 2018 - 2024
- Cardiology Update India 2019 - 2022

### **Textbooks**

- Cardiovascular System, Thomas F. Lüscher, Ulf Landmesser, Springer Publishers, FRG 2025
- Manual of Cardiovascular Medicine, editor (Oxford University Press, Oxford, UK), 2022
- ESC Textbook of Cardiovascular Medicine 1<sup>st</sup>–3<sup>rd</sup> Edition, 2003-2019 (Oxford University Press, UK), editors-in-chief John A. Camm, Thomas F. Lüscher, Gerald Maurer and Patrick W. Serruys
- Module Innere Medizin, Springer Publishers, Heidelberg, Germany, series editor:
  - o Modul Herzkeislauf, Thomas F. Lüscher and Ulf Landmesser, editors, 3<sup>rd</sup> edition, 2024,
  - o Lunge und Atemwege, Dennis Bösch, editor
  - o Niere und ableitende Harnwege, Katja Segeher, Christoph Wanner, editors
  - o Magen-Darm-Trakt, Michael Fried, Michael P. Manns, Gerhard Rogler, editors
- Educational Book for Patients (“Das gesunde und das kranke Herz”, EMH, Muttenz, Switzerland).
- CARDIX – Manual der Kardiovaskulären Medizin (Zurich Heart House, Zurich, Switzerland), 2014 - 2018

### **Past and Present Editor of Scientific Journals**

2020 - Present	European Heart Journal, Senior Editor
1996 - 2000	Arteriosclerosis, Thrombosis and Vascular Biology, Associate Editor
2018 – Present	Cardiology Journal, Honorary Editor
2016 - 2025	Cardiovascular Medicine (Swiss Journal of Cardiology), Senior Editor
2009 - 2020	European Heart Journal, Editor-in-Chief (Impact Factor: from 8.9 to 29.99)
1998 - 2016	Cardiovascular Medicine (Swiss Journal of Cardiology), Founder, Editor-in-Chief
2004 - 2008	Circulation, Associate Editor Europe
1992 - 1996	Endothelium - Journal of Endothelial Cell Research, Editor Europe
1996 - 2000	Arteriosclerosis, Thrombosis and Vascular Biology, Associate Editor
2003 - 2008	HERZ - Cardiovascular Diseases, Editor
1992 - 2007	Journal of Cardiovascular Pharmacology, Supplement Editor

### **Member of the Editorial Board of Scientific Journals**

2004 – 2010	Heart
2009 – 2011	Cellular Physiology and Biochemistry
2002 – 2009	Vascular Pharmacology
2002 – 2009	Herz - Cardiovascular Disease
1993 – 2009	Circulation (Reviewer and Consulting Editor)
1992 – 2008	Circulation Research
2003 – 2005	Seminars in Cardiology
2004 – 2008	High Blood Pressure and Cardiovascular Prevention
2002 – 2003	Thrombosis and Hemostasis
1990 – 2003	Hypertension
1997 – 2002	Current Opinion in Nephrology and Hypertension
1997 – 2000	Endothelium – Journal of Endothelial Cell Research
1993 – 2000	Nieren- und Hochdruckkrankheiten
1992 – 2000	Basic Research in Cardiology
1992 – 2000	Blood Pressure
1988 – 2000	Journal of Cardiovascular Pharmacology (Consulting Editor)
1988 – 1992	American Journal of Physiology (Heart and Circulation)