# CURRICULUM VITAE

## Prof. Marco Valgimigli, MD, PhD



## PERSONAL DETAILS

| | |
|---|---|
| Date of birth | March 6th, 1972 |
| Place of birth | Forlì (Italy) |
| Nationality | Italian |
| Marital Status | Defacto |
| Children | Riccardo, 25/02/2007<br>Alessandro, 30/09/2010<br>Asia, 10/10/2018 |
| Languages | Italian, English, German, French (basic), Dutch (basic) |
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## EDUCATION / FURTHER EDUCATION

### Education

| | |
|---|---|
| 1991 | High School degree in foreign languages (60/60) |
| 1991-1997 | Faculty of Medicine, University of Bologna, Bologna, Italy |

### University degrees

| | |
|---|---|
| 1997 | Doctor in Medicine and Surgery (equivalent to M.D.), University of Bologna, Italy, Magna cum laude<br>Thesis: Piscaglia F, Zironi G, Gaiani S, Mazziotti A, Cavallari A, Gramantieri L, **Valgimigli M**., Bolondi L. Systemic and Splanchnic Hemodynamic changes after liver transplantation for cirrhosis: a long term prospective study. Hepatology. 30:58-64, 1999. |
| 2003 | Degree in Cardiological Sciences<br>University of Ferrara, Ferrara, Italy, Magna cum laude |
| 2006 | PhD degree in Interventional Cardiology<br>Erasmus Medical Center, Rotterdam, The Netherlands with a thesis entitled "High-risk percutaneous intervention in the drug eluting stent era" Promoters Professors P.W. Serruys and P. de Feyter |

## PROFESSIONAL EXPERIENCE

### Research activities

| | |
|---|---|
| 1997-1999 | Residency in Internal and Emergency Medicine Sciences, winning a national grant<br>University of Bologna, Bologna, Italy, (Prof Bolondi, Mentor) |
| 2004-2005 | Clinical and Research Fellowship in Interventional Cardiology, Erasmus University, Thoraxcenter, Rotterdam, The Netherlands, (Mentor, Prof P.W. Serruys) |
| 2006 | Centre Hospitalier Universitaire de Caen, Avenue Côte de Nacre 14033 Caen, Normandy, France, Cedex (under the assistance of Prof M. Hamon) |
| 2006-2013 | University Hospital of Ferrara, Cardiology Department, Ferrara, Italy |
| 2013-2015 | Erasmus Medical Center, Rotterdam, The Netherlands |
| 2015-May 2020 | Bern University Hospital, Cardiology department, Bern, Switzerland |
| June 2020-Current | Cardiocentro Ticino, Cardiology department, Lugano, Switzerland |

## Clinical activities:

| | |
|---|---|
| 1995-1997 | Student-fellow at 1 Internal Medicine Unit Departement, S. Orsola-Malpighi Hospital, University of Bologna, Bologna, Italy |
| 1997-1997 | Clerkship in Cardiology at Hospital de Santa Maria, Lisbon, Portugal |
| 1997-1999 | Post-graduate fellow at Emergency Medicine Unit, S. Orsola-Malpighi Hospital, University of Bologna, Bologna, Italy |
| 1999-2000 | Post-graduate fellow at Coronary Care Unit, S. Anna Hospital, University of Ferrara, Ferrara, Italy |
| 2000-2002 | Post-graduate fellow at Haemodynamic Unit, Spedali Civili, University of Brescia, Brescia, Italy |
| 2002-2003 | Post-graduate Resident-fellow at Haemodynamic Unit, S. Anna Hospital, University of Ferrara, Ferrara, Italy |
| 2004-2005 | Research (PhD training) and clinical fellowship in Interventional Cardiology, Erasmus University, Thoraxcenter, Rotterdam, The Netherlands |
| 2006-2006 | Training in complex PCI procedures through radial access at the Centre Hospitalier Universitaire de Caen, Avenue Côte de Nacre Caen, Normandy, France, Cedex (under the assistance of Prof M. Hamon) |
| 2006-2009 | Senior attending cardiologist at the University Hospital of Ferrara working full time in the catheterization laboratory |
| 2009-2013 | Director of the Catheterization Laboratory at the University Hospital of Ferrara, Ferrara, Italy |
| 2013-2015 | Associate Professor of Cardiology at Erasmus Medical Center and Senior Interventional Cardiologist, Thoraxcenter, Rotterdam, The Netherlands |
| 2015-May 2020 | Head of clinical research of the Cardiology department, and full-time interventional cardiologist at Inselspital, Bern University Hospital, Switzerland. |
| 2016-May 2020 | Extraordinary Professor for invasive cardiology Bern University Hospital, Bern, Switzerland. |
| June 2020-2025 | Deputy Chief of Cardiology at Cardiocentro Ticino, Lugano, Switzerland. |
| January 2026-current | Chief of Cardiology at Istituto Cardiocentro Ticino, Lugano, Switzerland |

### Administrative and leadership experience

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|---|---|
| 2009-2013 | Director of the Catheterization Laboratory at the University Hospital of Ferrara, Ferrara, Italy<br>Responsible of 6 Interventional Cardiologists and 10 Catheterisation Laboratory Nurses and 5 Technicians |
| 2013-2015 | Director of Clinical Research in the field of anti-thrombotics and innovative pharmacological treatment modalities at the Thoraxcentrum, Eramus Medical Center and responsabile person for the interaction between the Erasmus University and clincal research organizations (CRO), including Cardialysis for the planning, execution and oversight of all investigator-driven clinical research activites. |
| 2015-May 2020 | Director of Clinical Research of the Cardiology department, Inselspital, Bern University Hospital, Switzerland. Responsabile for the organization, planning and execution of sponsor- and investigator-initiated clinical research in the field of cardiology and interventional cardiology. Local referent for the Cardiopath PhD program, an international PhD program led by the University of Naples, Federico II, involving the University of Bern, Switzerland and the Cardiovascular center OLV, Aalst, Belgium. |
| June 2020-2025 | Deputy Chief of Cardiology at Cardiocentro Ticino, Lugano, Switzerland and head of clinical research. |
| January 2026-current | Chief of Cardiology at Istituto Cardiocentro Ticino, Lugano, Switzerland |



## ACADEMIC APPOINTMENTS

| | |
|---|---|
| 2013-2015 | Associated Professor, Erasmus Medical Center, Rotterdam, The Netherlands |
| 2015-May 2020 | Extraordinary Professor, Bern University Hospital, Cardiology department,Bern, Switzerland |
| 2021-current | Adjunct Professor of Medicine, Faculty of Biomedical Sciences, Università della Svizzera italiana, Lugano, Switzerland |
| 2022-current | Adjunct Professor, University Clinic of Cardiology, Inselspital Bern, Bern, Switzerland |

## Surgical (Interventional) Subjects

### Operation (Intervention) Catalogue

**Interventions conducted as operator (2006 – end of June 2025)**

| | |
|---|---|
| 17899 | Diagnostic coronary angiographies |
| 11234 | Percutaneous coronary interventions |
| 789 | PFO and LAA closures |
| 787 | Transcatheter aortic valve implantations (TAVI) |
| 109 | Valvuloplasties |
| 687 | Right heart catheterisation |
| 49 | Transcatheter edge to edge repairs (Mitral or Tricuspid) |
| 12 | Paravalvular leak closures |
| 5 | Percutaneous Mitral valve implantations |
| 3 | Percutaneous Tricuspid valve implantations |
| 45 | Percutaneous treatments for pulmonary embolism (ultrasound enhanced catheter-direct thrombolysis/mechanical aspiration) |
| 22 | Mechanical pulmonary thrombectomy |
| 35 | ECMO with percutaneous access |
| 156 | Impella 2.5/5.0 |

**Interventions conducted as assistant (2002 – 2006)**

| | |
|---|---|
| 1079 | Diagnostic coronary angiographies |
| 567 | Percutaneous coronary interventions |
| 5 | PFO and LAA closures |
| 10 | Valvuloplasties |
| 23 | Percutaneous trans-spetal myocardial ablations |
| 106 | Right heart catheterisations |

**Interventions conducted as instructor (2006 – end of June 2025)**

| | |
|---|---|
| 8867 | Diagnostic coronary angiographies |
| 4455 | Percutaneous coronary interventions |
| 85 | PFO and LAA closures |
| 19 | Valvuloplasties |
| 578 | Right heart catheterisations |
| 95 | TAVIs |
| 15 | Percutaneous treatments for pulmonary embolism (ultrasound enhanced catheter-direct thrombolysis/mechanical aspiration) |
| 5 | Mechanical pulmonary thrombectomy |
| 15 | ECMO with percutaneous access |
| 33 | Impella 2.5/5.0 |

## Organisational responsibilities

| | |
|---|---|
| 2007-2013 | Head of Invasive Cardiology,<br>University Hospital Ferrara,<br>Cardiology Department, Ferrara, Italy |
| 2006-2013 | Head of Research,<br>University Hospital Ferrara,<br>Cardiology Department, Ferrara, Italy |
| 2013-2015 | Group Leader, cardiac research on anti-thrombotic agents,<br>University Clinic for Cardiology,<br>Department Thorax,<br>University Hospital Erasmus Medical Center Rotterdam,<br>The Netherlands |
| 2015-2020 | Extraordinary Professorship for invasive cardiology and Head of Clinical Research,<br>Bern University Hospital, Bern, Switzerland |
| 2018 | Chief and Professor of Cardiology (succession of Prof. Daniel Wagner) University Hospital Lausanne, Switzerland secondo loco (primo loco: Prof. O. Müller) |
| 2018-2023 | Member of Scientific Advisory Board (DKF)<br>University Hospital Basel, Department of Clinical Research |
| June 2020-current | Deputy Chief of Cardiology at Cardiocentro Ticino, Lugano, Switzerland and head of clinical research. |

**European Society of Cardiology (ESC)**

| | |
|---|---|
| 2006-2017 | Committee Member, ESC Press Committee |
| 2007-current | Fellow of the European Society of Cardiology (ESC) |
| 2013-2016 | Editor of the ESC Congress News |
| 2013-2015 | Committee Member, Congress Program Committee |
| 2015-2017 | Chair, Congress Program Committee |
| 2013-2017 | European Association of Percutaneous Coronary intervention (EAPCI) Board member |
| 2024-2026 | Pillar Chair of the EAPCI Science & Research Pillar, European Association of Percutaneous Coronary inter- vention (EAPCI) |

**Clinical Practice Guidelines Committee from the European Society of Cardiology**

| | |
|---|---|
| 2011-2011 | Reviewer<br>ESC Guidelines for the Diagnosis and Treatment of Non-ST Segment Elevation Acute Coronary Syndromes |

| | |
|---|---|
| 2011-2012 | Task Force Member<br>ESC Guidelines for the Management of ST-Segment Elevation Myocardial Infarction |
| 2012-2014 | Task Force Member<br>ESC Guidelines on Myocardial Revascularization<br>Task Force on Myocardial Revascularization of the European Society of Cardiology (ESC) and the European Association for Cardio-Thoracic Surgery (EACTS) |
| 2012-2014 | Reviewer Coordinator<br>ESC Guidelines for the Diagnosis and Treatment of Stable Coronary Artery Disease |
| 2013-2015 | Task Force Member (Section Coordinator)<br>ESC Guidelines for the Diagnosis and Treatment of Non-ST Segment Elevation Acute Coronary Syndromes |
| 2015-2017 | Chair–Task Force<br>ESC Guidelines DAPT Focused Update on Myocardial Revascularization Task Force on Myocardial Revascularization of the European Society of Cardiology (ESC) and the European Association for Cardio-Thoracic Surgery (EACTS) |
| 2015-2017 | Task Force Member (Section Coordinator)<br>ESC Guidelines for the Diagnosis and Treatment of ST Segment Elevation Myocardial Infarction |
| 2016-2018 | Reviewer<br>ESC Scientific Document Group. Fourth universal definition of myocardial infarction (2018). |
| 2017-2019 | Task Force Member of the ESC guidelines for the diagnosis and treatment of patients with stable coronary artery disease. |
| 2019 | Task Force Member of the 2020 ESC Guidelines for the management of atrial fibrillation |
| 2019 | Reviewer<br>2020 ESC Guidelines for the management of patients with non-ST segment elevation myocardial infarction |
| 2020 | Chair of the Joint EAPCI, ACCA and EAPC Paper on Anti-thrombotic treatment strategies for secondary prevention in patients with established coronary atherosclerotic disease |

**European Association of Percutaneous Coronary Intervention**

| | |
|---|---|
| 2011-2016 | Chair, Research Committee from the European Association of Percutaneous Coronary Intervention (EAPCI) |
| 2024-2026 | Pillar Chair of the EAPCI Science & Research Pillar |

**International Courses on Percutaneous Cardiovascular Interventions**

| | |
|---|---|
| 2010-2020 | Committee Program Member, PCR–course on cardiovascular interventions, EuroPCR, Paris, France |
| 2011-2016 | Committee member Program, TCT–course on cardiovascular interventions, New York, USA |
| 2016-2021 | Associate director TCT Program Commitee–course on cardiovascular interventions, New York, USA |

**Live-Case Transmissions**

| | |
|---|---|
| 2013 | Live-case Transmission for Rotterdam Course on Biovascular Scaffold |
| 2014 | Live-case Transmission for Rotterdam Course on Biovascular Scaffold |
| 2015 | Live-case Transmission for Prague Cardiovascular Course |
| 2023 | Live-case Transmission for India Complex Course |

**Editorial Board Member**

| | |
|---|---|
| 2012-2024 | Journal of the American College of Cardiology – Cardiovascular Interventions |
| Since 2013 | EuroIntervention |
| Since 2010 | Future Cardiology |
| Since 2015 | Asia Pacific Intervention |
| Since 2018 | Assitant Editor of the European Heart Journal: Acute Cardiovascular Care |
| Since 2018 | Circulation Cardiovascular Intervention |

**Clinical Event Committee Member**

| | |
|---|---|
| 2009 | Member, RESOLUTE Trial |
| 2010 | Member, NEVO 2 Trial |
| 2011 | Member, NEXT Trial |
| 2013 | Member, EXECUTIVE Trial |
| 2015 | Member, RESERVOIR I Trial |
| 2019 | Member, EURO-SHOCK Trial |

**Data Safety Monitoring Board Committee Chair or Member**

| | |
|---|---|
| 2017-2019 | DSMB Chair of the Revacept, a Novel Inhibitor of Platelet Adhesion in Patients with Stable Coronary Artery Disease |

| | |
|---|---|
| | Undergoing Elective Percutaneous Coronary Interventions: A Phase II, Multicentre, Randomised, Dose-Finding, Double-Blind and Placebo-Controlled Study |
| 2023-current | DSMB Chair of the IONMAN Trial: First In Human Study of the IoNIR Ridaforolimus-Eluting Coronary Stent System |
| 2022-current | DSMB Chair of the REBOOT Trial: tREatment with Beta-blockers after myOcardial infarction withOut reduced ejection fracTion (REBOOT) |
| 2024-current | DSMB member of the S The Value of IVL Compared To OPN Non-Compliant Balloons for Treatment of RefractorY Coronary Lesions (VICTORY) Trial |

**Review for Peer Reviewed Journals**

**Cardiology**

Circulation, Journal of the American College of Cardiology (JACC), European Heart Journal (EHJ), EuroIntervention, Circulation Cardiovascular Interventions, Journal of the American College of Cardiology Cardiovascular Interventions, American Heart Journal, American Journal of Cardiology (AJC), Catheterization and Cardiovascular Interventions (CCI), Journal of Invasive Cardiology, Heart, Journal of Cardiovascular, JAMA Cardiology

**Internal Medicine**

New England Journal of Medicine (NEJM), Lancet, Journal of the American Medical Association (JAMA), British Medicine Journal (BMJ), Archieves of Internal Medicine, Annals of Internal Medicine.

## Teaching



| | |
|---|---|
| 2013 | Contract professor of invasive cardiology for nurses at the University of Ferrara (target audience: care staff) |
| 2013 | Contract professor of invasive cardiology for radiology technicians at the University of Ferrara (target audience: care staff) |
| 2013 | Contract professor of invasive cardiology for residents in the specialization course of Cardiology at the University Hospital of Ferrara Italy (target audience: Doctors in Medicine attending the specialization course in cardiology) |
| 2014-2015 | Responsible Person of the COEUR (Cardiovascular Research School) course on anti-thrombotics devoted to PhD students of the Erasmus Medical Center institution (target audience: PhD students comprising doctors in medicine or biology) |
| 2015-2020 | Involved in the organisation and execution of the weekly journal clubs and Grand Rounds with staff members and visiting professors at Inselspital, Bern. |

| | |
|---|---|
| 2020-current | Involved in the organisation and execution of the weekly journal clubs and Grand Rounds with staff members and visiting professors at Cardiocentro, Ticino, Lugano. |
| 2020-current | Teacher for invasive cardiology and anti-thrombotics in cardiology courses to residents of Internal medicine/ cardiology and nurses at ICCT Institution, Lugano, Switzerland |
| 2021-current | Professor of Medicine, Faculty of Biomedical Sciences, Università della Svizzera italiana, Lugano, Switzerland, regularly involved in providing frontal lessons and in examinations for students in medicine attending USI. |

## Scientific work and Funding

Marco Valgimigli has raised 71'745'273 million Euros/Swiss Francs as main applicant, of which 64'468'860 million via non-competitive funds and 7'276'413 Euros/Francs as competitive funds, including Swiss National Foundation, Swiss Heart Foundation, Innosuisse, Inselspital, Fondazioni Ticinesi, MURST, and Regione Emilia Romagna.

### Investigator Initiated Trials

**Financial support of the Ministery for University and Scientific and Technological research [MURST]**

| | |
|---|---|
| Project: | Tailoring the choice of P2Y12 oral receptor blockers by integrating loss of function alleles to phenotype assessment via point of care testing versus standard of care in patients who undergo percutaneous coronary intervention: a randomized multicenter trial |
| Support: | Ministry for University and Scientific and Technological Research [MURST] |
| Nr. of partner: | 10 |
| Own function: | Principal Investigator |
| Period: | 2012-2015 |
| Total amount: | Euro 336'700.00 |

**Financial support from REGIONE EMILIA ROMAGNA**

| | |
|---|---|
| Project: | Single High-Dose BoluS TiRofibAn and Sirolimus Eluting STEnt versus Abciximab and Bare Metal Stent in Acute MYocardial Infarction (STRATEGY) Study |
| Support: | Regione Emilia Romagna |
| Nr. of partner: | 1 |
| Own function: | Principal Investigator |
| Period: | 2003-2006 |
| Total amount: | Euro 250'000.00 |

**Financial support from SNSF – Swiss National Science Foundation**

| | |
|---|---|
| Project: | GLASSY: GLOBAL LEADERS Adjudication Sub-Study |
| Support: | SNSF |
| Nr. of partner: | 19 (including Bern) |
| Own function: | Principal Investigator |
| Period: | 2018 |
| Total amount: | CHF 19'200.00 (SNF) |

**Financial support from Swissheart Foundation (Schweizerische Herzstiftung)**

| | |
|---|---|
| Project: | Establishing Reference Values for the Diagnosis of Coronary Artery Ectasia in Current |
| Support: | Swiss Foundation of Cardiology |
| Own function: | Principal Investigator |
| Period: | 2019 |
| Total amount: | CHF 80'000.00 |

**Financial support from Innosuisse – Agenzia svizzera per la promozione dell'innovazione**

| | |
|---|---|
| Project: | MOCA I Microvascular Obstruction with the CoFI™ System Assessment |
| Support: | Innosuisse & CorFlow |
| Nr. of Partner: | 4 |
| Own function: | Principal Investigator |
| Period: | 2019 - 2020 |
| Total amount: | 265'920.00 |

**Financial support from Merck, USA**

| | |
|---|---|
| Project: | MULTISTRATEGY: MULTIcentre evaluation of Single high-dose bolus TiRofiban versus Abciximab with sirolimus eluting sTEnt or Bare Metal Stent in Acute Myocardial Infarction studY |
| Support: | University of Ferrara, support from Merck |
| Nr, of partner: | 16 |
| Own function: | Principal Investigator |
| Period: | 2004-2008 |
| Total amount: | Euro 500'000.00 |

**Financial support from Merck, USA**

| | |
|---|---|
| Project: | 3T/2R: Tailoring Treatment With Tirofiban in Patients Showing Resistance to Aspirin and/or Resistance to Clopidogrel |
| Support: | University of Ferrara, industry support from MERCK |
| Nr. of partner: | 12 |

Own function: Principal Investigator
Period: 2005-2009
Total amount: Euro 700'000.00

**Financial support from Eli Illy, USA**

Project: FABOLUS SYNCHRO: Facilitation through Abciximab by dropping infusion line in patients undergoing coronary stenting. Synergy with clopidogrel at high loading dose regimen.
Support: University of Ferrara, industry support from Eli Lilly
Nr. of partner: 1
Own function: Principal Investigator
Period: 2006-2008
Total amount: Euro 150'000.00

**Financial support from Correvio, USA**

Project: FABOLUS PRO: Facilitation through Aggrastat By drOpping or shortening Infusion Line in patients with ST-segment elevation myocardial infarction compared to or on top of PRasugrel given at loading dOse
Support: University of Ferrara, industry support from Correvio
Nr. of partner: 1
Own function: Principal Investigator
Period: 2009-2011
Total amount: Euro 250'000.00

**Financial support from Sanofi and Abbott Vascular, USA**

Project: PRODIGY: PROlonging Dual antiplatelet treatment after Grading stent-induced Intimal hyperplasia study
Support: University of Ferrara, industry support from Sanofi and Abbott Vascular
Nr. of partner: 3
Own function: Principal Investigator
Period: 2005-2008
Total amount: Euro 150'000.00

**Financial support from Medtronic, USA**

Project: ZEUS: Zotarolimus-eluting Endeavor sprint stent in Uncertain DEScandidates
Support: University of Ferrara, industry support from Medtronic
Nr. of partner: 19
Own function: Principal Investigator
Period: 2009-2011
Total amount: Euro 650'000.00

**Financial support from The Spanish Society of Cardiology, Spain**

| | |
|---|---|
| Project: | EXAMINATION: Evaluation of the Xience-V stent in Acute Myocardial INfArcTION |
| Support: | Spanish Society of Cardiology |
| Nr. of partner | 12 |
| Own function: | Executive Committee member und National lead investigator for Italy |
| Period: | 2009-2011 |
| Total amount: | Euro 767'400.00 |

**Financial support from The Medicines Company, USA and Terumo, Japan**

| | |
|---|---|
| Project: | MATRIX: Minimizing Adverse Haemorrhagic Events by Transradial Access Site and Systemic Implementation of Angiox (MATRIX) |
| Support: | Italian Society of Interventional Cardiology, industry support from The Medicines Company and Terumo |
| Nr. of partner: | 79 |
| Own function: | Principal Investigator |
| Period: | 2011-2017 |
| Total amount: | Euro 3'267'000.00 |

**Financial support from Biosensors, Switzerland, The Medicines Company, USA and Astra Zeneca, Sweden**

| | |
|---|---|
| Project: | Global LEADERS: Comparative effectiveness of 1 month of ticagrelor plus aspirin followed by ticagrelor monotherapy versus a current-day intensive dual antiplatelet therapy in all-comers patients undergoing percutaneous coronary intervention with bivalirudin and biomatrix family drug-eluting stent use. |
| Support: | ECRI–European Cardiovascular Research Insitute, industry support from a consortium with Biosensors, Astra Zeneca and The Medicines Company |
| Nr. of partner: | 123 |
| Own function: | Co-Principal Investigator |
| Period: | 2013-2018 |
| Total amount: | Euro 33'000'000.00 |

**Financial support from Inselspital, Bern and ECRI, Rotterdam**

| | |
|---|---|
| Project: | GLASSY: GLOBAL LEADERS Adjudication Sub-Study |
| Support: | Inselspital, Bern University Hospital, and ECRI–European Cardiovascular Research Insitute |
| Nr. of partner: | 19 (including Bern) |
| Own function: | Principal Investigator |

| | |
|---|---|
| Period: | 2017-2018 |
| Total amount: | CHF 650'000.00 |

**Financial support from Astra Zeneca, Sweden**

| | |
|---|---|
| Project: | HIGH-TECH: Hunting for the off-target properties of Ticagrelor on Endothelial function and other circulating biomarkers in humans |
| Support: | Erasmus Medical Center, industry support from Astra Zeneca |
| Nr. of partner: | 5 (including Bern) |
| Own function: | Principal Investigator |
| Period: | 2015-2017 |
| Total amount: | Euro 443'000.00 |

**Financial support from Medicure, Canada**

| | |
|---|---|
| Project: | FABOLUS FASTER: Facilitation Through Aggrastat or Cangrelor Bolus and Infusion Over prasugreL: a mUlticenter Randomized Open-label Trial in patientS With ST-elevation Myocardial inFarction Referred for primAry percutaneouS inTERvention |
| Support: | Inselspital, Bern University Hospital, industry support from Medicure |
| Nr. of partner: | 6 (including Bern) |
| Own function: | Chair and Principal Investigator |
| Period: | 2017-2019 |
| Total amount: | CHF 707'000.00 |

**Financial support from Terumo, Japan**

| | |
|---|---|
| Project: | MASTER-DAPT: Management of High Bleeding Risk Patients Post Bioresorbable Polymer Coated Stent Implantation With an Abbreviated Versus Prolonged DAPT Regimen |
| Support: | ECRI, Cardialysis, Bern University Hospital, Terumo Medical Corporation |
| Nr. of partner: | 100 (including Bern) |
| Own function: | Chair and Principal Investigator |
| Period: | 2017-2019 |
| Total amount: | Euro 16'500'000.00 |

**Financial support from Abbott Vascular, USA**

| | |
|---|---|
| Project: | SWISS APERO: Comparison of Amplatzer Amulet vs Watchman device in patients undergoing left atrial appendage closure |

| | |
|---|---|
| Support: | Inselspital, Bern University Hospital, industry support from Abbott Vascular |
| Nr. of partner: | 8 |
| Own function: | Chair and Principal Investigator |
| Period: | 2018-2019 |
| Total amount: | CHF 400'000.00 |

**Financial support from Daiichi Sankyo, Japan**

| | |
|---|---|
| Project: | Edoxaban and/or colchicine for patients with COVID-19 managed in the out-of-hospital setting (CONVINCE): |
| Support: | Daiichi-Sankyo, |
| Nr. of partner: | 24 |
| Own function: | Principal Investigator |
| Period: | 2020-2023 |
| Total amount: | CHF 500'000.00 |

**Financial support from Foundazione Fidinam, Lugano, Switzerland**

| | |
|---|---|
| Project: | Edoxaban and/or colchicine for patients with COVID-19 managed in the out-of-hospital setting (CONVINCE): |
| Support: | Daiichi-Sankyo, |
| Nr. of partner: | 24 |
| Own function: | Principal Investigator |
| Period: | 2020-2023 |
| Total amount: | CHF 50'000.00 |

**Financial Support from Innosuisse – Agenzia svizzera per la promozione dell'innovazione**

| | |
|---|---|
| Project: | Enhanced blood flow and pressure measurements with PhysioCath-microcatheter for reliable diagnosis of 'Ischemia with Non-Obstructive Coronary Artery - INOCA study |
| Support: | Innosuisse |
| Nr. of partner: | 3 |
| Own Function: | Principal Investigator |
| Period: | 2024-2026 |
| Total amount: | CHF 1'115'933.00 |

**Financial Support from SNSF - Swiss National Science Foundation**

| | |
|---|---|
| Project: | The role of cardiovascular magnetIc resonance in non-ST-elevAtion-myocardial iNfarction - TITAN-MRI study |
| Support: | SNSF |
| Nr. of partner: | 4 |
| Own Function: | Partner |
| Period: | from 2022 |
| Total amount: | CHF 356'000 |

**Financial Support from Concept Medical Inc., Tampa, FL**

| | |
|---|---|
| Project: | TicIn for the Treatment of coronAry lesioNs with Drug Eluting Balloons -TITAN-DEB study |
| Support: | Concept Medical Inc., Tampa, FL |
| Nr. of partner: | 9 |
| Own Function: | Principal Investigator |
| Period: | rom 2022 |
| Total amount: | CHF 806'830 |

**Financial support from Sahajanand Medical Technologies Ireland**

| | |
|---|---|
| Project: | Monotherapy with a P2Y12 inhibitor followed by a direct-acting oral anticoagulant in patients with ATRial fIbrillation undergoing suprafleX Cruz coronary stent implantation - MATRIX-2 |
| Support: | Sahajanand Medical Technologies, Ireland |
| Nr. of partner: | 120 |
| Own Function: | Co-Principal Investigator |
| Period: | from 2023 |
| Total amount: | EUR 6'000'000 |

**Financial Support from OM Pharma Suisse SA**

| | |
|---|---|
| Project: | Minimally INvasive cOronary arTery bypAss sUpported by cangRelor -MINOTAUR study |
| Support: | OM Pharma Suisse SA |
| Nr. of partner: | 1 |
| Own Function: | Principal Investigator |
| Period: | from 2023 |
| Total amount: | CHF 132'760 |



**Financial Support from Innosuisse – Agenzia svizzera per la promozione dell'innovazione**

| | |
|---|---|
| Project: | Blood wave diagnostics of coronary microvascular diseases based on the PyCath pressure-velocity sensing micro-catheter |
| Support: | Innosuisse |
| Nr. of partner: | 3 |
| Own Function: | Investigator |
| Period: | 2024-2025 |
| Total amount: | CHF 866'560 |

**Financial Support from SNSF – Swiss National Science Foundation**

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|---|---|
| Project: | Cerebral LEsions by mAgnetic Resonance in the MATRIX 2 - CLEAR MATRIX 2 study |
| Support: | SNSF |

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|---|---|
| Own Function: | Principal Investigator |
| Period: | from 2024 |
| Total amount: | CHF 500'000 |

**Financial support from Cordis, USA**

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|---|---|
| Project: | TicIn for the Treatment of coronAry lesioNs – PlAque Regression AnD stabilIsation with Sirolimus Elution Pilot Study - TITAN PARADISE Pilot |
| Support: | Cordis, USA |
| Nr. of partner: | 1 |
| Own Function: | Principal Investigator |
| Period: | from 2024 |
| Total amount: | CHF 158'800 |

**Financial support from Viatris, Switzerland**

| | |
|---|---|
| Project: | deFinition of Ischemic patterNs Generated by wEarables through Processing by aRtificial INTelligence in patients with Coronary Artery Disease: the FINGERPRINT-CAD study |
| Support: | Viatris, Switzerland |
| Nr. of partner: | 1 |
| Own Function: | Principal Investigator |
| Period: | from 2025 |
| Total amount: | CHF 53'960 |

**Financial support from Viatris, Switzerland**

| | |
|---|---|
| Project: | Patient-RepOrted appraisal of Myocardial Infarction Symptoms and Experiences: the PROMISE observational study |
| Support: | Viatris, Switzerland |
| Nr. of partner: | 1 |
| Own Function: | Principal Investigator |
| Period: | from 2025 |
| Total amount: | CHF 49'510 |

**Financial Support from SNSF – Swiss National Science Foundation**

| | |
|---|---|
| Project: | TicIn for the Treatment of coronAry lesioNs - PlAque Regression AnD stabilISation with drug Eluting balloons (TITAN-PARADISE)", 33IC30_229732 |
| Support: | SNSF, IICT call |
| Nr. of partner: | 30 |
| Own Function: | Main Applicant/Principal Investigator |
| Period: | from 2025 (60-month duration) |
| Total amount: | CHF 2'068'700 |

**Trials Initiated by Industry**

| | |
|---|---|
| Project: | EARLY ACS: Early Glycoprotein IIb/IIIa Inhibition in Non-ST-Segment Elevation Acute Coronary Syndrome |
| Support: | Scheri |
| Nr. of partner: | 140 |
| Own function: | Local Principal Investigator |
| Period: | 2007-2009 |

| | |
|---|---|
| Project: | Evaluation of Safety and Efficacy of Short-term A-002 Treatment in Subjects With Acute Coronary Syndrome |
| Support: | Anthera Pharmaceuticals |
| Nr. of partner: | 362 |
| Own function: | Local Principal Investigator |
| Period: | 2010-2012 |

| | |
|---|---|
| Project: | LANCELOT-ACS: Lessons from Antagonizing the Cellular Effect of Thrombin-Acute Coronary Syndrome |
| Support: | EISAI |
| Nr. of partner: | 440 |
| Own function: | Local Principal Investigator |
| Period: | 2004-2008 |

| | |
|---|---|
| Project: | STABILITY: Stabilization of Atherosclerotic Plaque by Initiation of Darapladib Therapy Unterstützung: GlaxoSmithKline |
| Nr. of partner: | 663 |
| Own function: | Local Principal Investigator |
| Period: | 2008-2010 |

| | |
|---|---|
| Project: | STREAM: Strategic Reperfusion Early after Myocardial Infarction |
| Support: | Boehringer Ingelheim |
| Nr. of partner: | 99 |
| Own function: | Local Principal Investigator |
| Period: | 2008-2010 |

| | |
|---|---|
| Project: | SOLID-TIMI 52: Stabilization of Plaque Using Darapladib-Thrombolysis in Myocardial Infarction 52 |
| Support: | GlaxoSmithKline |
| Nr. of partner: | 99 |
| Own function: | Local Principal Investigator |
| Period: | 2008-2010 |

| | |
|---|---|
| Project: | TRACER: Thrombin Receptor Antagonist for Clinical Event Reduction in Acute Coronary Syndrome |

| | |
|---|---|
| Support: | Merck |
| Nr. of partner: | 818 |
| Own function: | Steering Committee member und local Principal Investigator |
| Period: | 2009-2011 |

| | |
|---|---|
| Project: | FAME 2: Fractional Flow Reserve versus Angiography for Multi- vessel Evaluation 2 |
| Support: | St. Jude |
| Nr. of partner: | 28 |
| Own function: | Local Principal Investigator |
| Period: | 2011-2012 |

| | |
|---|---|
| Project: | BIOSOLVE 3: Acute performance of a drug-eluting absorbable metal scaffold (DREAMS 2G) in patients with de novo lesions in native coronary arteries |
| Support: | Biotronik |
| Nr. of partner: | 8 |
| Own function: | local Principal Investigator |
| Period: | 2015-2020 |

| | |
|---|---|
| Project: | P2Y12 Open label, randomized, study to assess the onset of platelet aggregation inhibition after a single subcutaneous injection of ACT-246475 in adults with acute myocardial infarction |
| Support: | IDORSIA |
| Nr. of partner: | 6 |
| Own function: | Principal Investigator |
| Period: | 2018 |



| | |
|---|---|
| Project: | XIENCE 28 SHORT DAPT |
| Support: | Abbott Vascular |
| Nr. of partner: | 50 |
| Own function: | Co-Principal Investigator |
| Period: | 2018-2019 |

| | |
|---|---|
| Project: | BIOFLOW-DAPT (Biodegradable-Polymer or Durable-Polymer Stents in Patients at High Bleeding Risk) |
| Support: | BIOTRONIK |
| Nr. of partner: | 52 |
| Own function: | Principal Investigator |
| Period: | 2019-2023 |

**Executive Committee Member of the following Trials:**

ENTRUST-AF-PCI: Evaluation of the Safety and Efficacy of an Edox- aban-based Compared to a Vitamin K Antagonist-based Antithrombotic Regimen in Subjects With Atrial Fibrillation Following Successful Percu- taneous Coronary Intervention (PCI) With Stent Placement.

Sponsor Daiichi Sankyo, Inc.

**National Coordinator and Steering Committee Member of the following Trials:**

TRACER: Thrombin Receptor Antagonist for Clinical Event Reduction in Acute Coronary Syndrome

Sponsor: Merck

ODISSEY OUTCOMES: A Randomized, Double-Blind, Placebo-Controlled, Parallel-Group Study to Evaluate the Effect of Alirocumab (SAR236553/ REGN727) on the Occurrence of Cardiovascular Events in Patients Who Have Recently Experienced an Acute Coronary Syndrome

Sponsor: Sanofi

EXAMINATION: Evaluation of the Xience-V stent in Acute Myocardial INfArcTION

Sponsor: Spanish Society of Cardiology

AUGUSTUS: An Open-label, 2 x 2 Factorial, Randomized Controlled, Clinical Trial to Evaluate the Safety of Apixaban vs. Vitamin K Antagonist and Aspirin vs. Aspirin Placebo in Patients With Atrial Fibrillation and Acute Coronary Syndrome or Percutaneous Coronary Intervention

Sponsor: Bristol-Myers Squibb

EXCEL: Evaluation of XIENCE versus Coronary Artery Bypass Surgery for Effectiveness of Left Main Revascularization (EXCEL) trial

Sponsor: Abbott Vascular

REGULATE-PCI: Effect of the REG1 anticoagulation system versus bivalirudin on outcomes after percutaneous coronary intervention (REGULATE-PCI): a randomised clinical trial.

Sponsor: Regado Biosciences, Inc.

LIBREXIA ACS: A Study of Milvexian in Participants After a Recent Acute Coronary Syndrome

Sponsor: Bristol Myers Squibb-Janssen



**Executive Committee Member of the following Trials:**

ENTRUST-AF-PCI: Evaluation of the Safety and Efficacy of an Edox- aban-based Compared to a Vitamin K Antagonist-based Antithrombotic Regimen in Subjects With Atrial Fibrillation Following Successful Percu- taneous Coronary Intervention (PCI) With Stent Placement.

Sponsor Daiichi Sankyo, Inc.

ENVISAGE-TAVI-AF: Edoxaban Versus Standard of Care and Their Effects on Clinical Outcomes in Patients Having Undergone Transcatheter Aortic Valve Implantation (TAVI) - in Atrial Fibrillation.

Sponsor Daiichi Sankyo, Inc.

GALILEO: Global Multicenter, Open-label, Randomized, Event-driven, Active-controlled Study Comparing a rivAroxaban-based Antithrombotic Strategy to an antipLatelet-based Strategy After Transcatheter aortIc vaLve rEplacement (TAVR) to Optimize Clinical Outcomes.

Sponsor Bayer

SOS-AMI: Selatogrel Outcome Study in suspected Acute Myocardial Infarction.

Sponsor: Viatris

**Pincipal Investigator of the following Investigator- or industry-initiated Clinical Trials:**

ADVANCE (Investigator-initiated): the additive value of tirofiban administered with the high-dose bolus in the prevention of ischemic complications during high-risk coronary angioplasty

STRATEGY (Investigator-initiated): Single High-Dose BoluS TiRofibAn and Sirolimus Eluting STEnt versus Abciximab and Bare Metal Stent in Acute MYocardial Infarction

MULTISTRATEGY (Investigator-initiated): Multicentre Evaluation of High-Dose Bolus Tirofiban and Sirolimus Eluting Stent versus Abciximab and Bare Metal Stent in Acute Myocardial Infarction - MULTI-STRATEGY

3T/2R Trial (Investigator-initiated): tailoring treatment with tirofiban in patients showing resistance to aspirin and/or resistance to clopidogrel



Fabolus Synchro Trial (Investigator-initiated): Facilitation through Abciximab By drOpping Infusion Line in patients Undergoing coronary Stenting. SYNergy with Clopidogrel at High loading dOse Regimen

Fabolous pro Trial (Investigator-initiated): Facilitation through Aggrastat By drOpping or shortening Infusion Line in patients with ST-segment elevation myocardial infarction compared to or on top of PRasugrel given at loading dOse

Fabolous faster Trial (Investigator-initiated): Facilitation Through Aggrastat or Cangrelor Bolus and Infusion Over Prasugrel: A Multicenter Randomized Open-Label Trial in Patients with ST-Elevation Myocardial Infarction Referred for Primary Percutaneous Intervention

High-Tech Trial (Investigator-initiated): Hunting for the off-target propertIes of Ticagrelor on Endothelial function and other Circulating biomarkers in Humans (HI-TECH)

ZEUS Trial (Investigator-initiated): Zotarolimus-eluting Endeavor sprint stent in Uncertain DES candidates

PRODIGY Trial (Investigator-initiated): Prolonging Dual Antiplatelet Treatment After Grading Stent-Induced Intimal Hyperplasia Study

MATRIX Programme (Investigator-initiated): Minimizing Adverse Haemorrhagic Events by Transradial Access Site and Systemic Implementation of Angiox

GLOBAL-LEADERS Trial (Investigator-initiated): ticagrelor monotherapy versus standard dual antiplatelet therapy followed by aspirin monotherapy in patients undergoing biolimus-eluting stent implantation

GLASSY Trial (Investigator-initiated): GLOBAL LEADERS Adjudication Sub-study

XIENCE SHORT DAPT Programme (Industry-initiated): Three or One Month DAPT in Patients at High Bleeding Risk Undergoing Everolimus-Eluting Stent Implantation

IDORSIA Phase II Trial with ACT-246475 P2Y12 (Industry-initiated): Open label, randomized, study to assess the on- set of platelet aggregation inhibition after a single sub- cutaneous injection of ACT-246475 in adults with acute myocardial infarction

BIOFLOW-DAPT (Industry-initiated): Biodegradable-polymer or durable-polymer Stents in Patients at High Bleeding Risk

SWISS-APERO (Investigator-initiated): Comparison of Amplatzer Amulet vs Watchman device in patients undergoing left atrial appendage closure

TITAN-DEB Trial (Investigator-initiated): The TicIn for the Treatment of coronAry lesioNs with Drug Eluting Balloons

MINOTAUR Trial (Investigator-initiated): Minimally INvasive cOronary arTery bypAss sUpported by cangRelor

PARADISE-DEB Trial (Investigator-initiated): TicIn for the Treatment of coronAry lesioNs – PlAque Regression AnD stabilIsation with Sirolimus Elution. Pilot Study

MATRIX-2 Trial (Investigator-initiated): Monotherapy with a P2Y12 inhibitor followed by a direct-acting oral anticoagulant in patients with ATRial fIbrillation undergoing suprafleX cruz coronary stent implantation

CLEAR-MATRIX-2 Trial (Investigator-initiated): Cerebral LEsion by mAgnetic Resonance in the MATRIX-2

NATURE Trial (Investigator initiated): NeVa Thrombectomy device as Adjunctive Reperfusion Modality in ST-segment Elevation Myocardial Infarction

## Promotion of junior researchers

### PhD/Cardiology students

Patrizia Malagutti

Valgimigli M, Ceconi C, **Malagutti P**, Merli E, Soukhomovskaia O, Francolini G, Cicchitelli G, Olivares A, Parrinello G, Percoco G, Guardigli G, Mele D, Pirani R, Ferrari R. Tumor necrosis factor-alpha receptor 1 is a major predictor of mortality and new-onset heart failure in patients with acute myocardial infarction: the Cytokine-Activation and Long-Term Prognosis in Myocardial Infarction (C-ALPHA) study. Circulation. 111(7):863-870, 2005.

Elisa Merli

Valgimigli M, **Merli E**, Malagutti P, Soukhomovskaia O, Cicchitelli G, Antelli A, Canistro D, Francolini G, Macrì G, Mastrorilli F, Paolini M, Ferrari R.Hydroxyl radical generation, levels of tumor necrosis factor-alpha, and progression to heart failure after acute myocardial infarction. J Am Coll Cardiol. 43(11):2000-2008, 2004.

Olga Soukhomovskaia

Valgimigli M, Rigolin GM, Fucili A, Porta MD, **Soukhomovskaia O**, Malagutti P, Bugli AM, Bragotti LZ, Francolini G, Mauro E, Castoldi G, Ferrari R. CD34+ and endothelial progenitor cells in patients with various degrees of congestive heart failure. Circulation. 110(10):1209-1212, 2004.

Elisa Cangiano

**Cangiano E**, Cavazza C, Campo G, Valgimigli M, Francolini G, Malagutti P, Pratola C, Ferrari R. Different clinical models of CD34 + cells mobilization in patients with cardiovascular disease. J Thromb Thrombolysis. 32(1):1-8, 2011.

Gianluca Campo

**Campo G**, Valgimigli M, Frangione A, Luccarelli S, Cangiano E, Cavazza C, Fileti L, Ferrari R; 3T/2R Investigators. Evaluation of platelet inhibition by tirofiban in patients stratified according to aspirin and clopidogrel responsiveness: the 3T/2R (Tailoring treatment with tirofiban in patients showing resistance to aspirin and/or resistance to clopidogrel). J Am Coll Cardiol. 55(3):255-256, 2010.

Carlo Penzo

Valgimigli M, Campo G, **Penzo C**, Tebaldi M, Biscaglia S, Ferrari R; RADAR Investigators. Transradial coronary catheterization and intervention across the whole spectrum of Allen test results. J Am Coll Cardiol. 63(18):1833-1841, 2014.

Simone Biscaglia

Effects of pre-hospital clopidogrel administration on early and late residual platelet reactivity in ST-segment elevation myocardial infarction patients undergoing primary intervention.
Biscaglia S, Tebaldi M, Vranckx P, Campo G, Valgimigli M.J Thromb Haemost. 2013 Jan;11(1):192-4.

Alessandro Spirito

Comparative Outcomes After Percutaneous Coronary Intervention in Unconscious and Conscious Patients With Out-of-Hospital Cardiac Arrest.
Spirito A, Papadis A, Vaisnora L, Iacovelli F, Sardu C, Kavaliauskaite R, Lanz J, Temperli F, Asatryan B, Heg D, Hunziker L, Windecker S, Räber L, Valgimigli M.JACC Cardiovasc Interv. 2022 Jul 11;15(13):1338-1348

Noè Corpateaux

Validation of high bleeding risk criteria and definition as proposed by the academic research consortium for high bleeding risk.
Corpataux N, Spirito A, Gragnano F, Vaisnora L, Galea R, Svab S, Gargiulo G, Zanchin T, Zanchin C, Siontis GCM, Praz F, Lanz J, Hunziker L, Stortecky S, Pilgrim T, Räber L, Capodanno D, Urban P, Pocock S, Heg D, Windecker S, Valgimigli M.Eur Heart J. 2020 Oct 7;41(38):3743-3749.

**Mentor of medical students (Dr med. titles)**

Anna Giulia Pavon (discussed on March 2024)

Sven Lifka Master Thesis (discussed on September 2024)

Sarina Leupp Master Thesis (planned discussion: tba)

Tabea Laasch (planned discussion: tba)

Caterina Lecchi (planned discussion: tba)

Silan Aka (planned discussion: tba)

Marina Santos (planned discussion: tba)

**Mentor of PhD students:**

Giuseppe Gargiulo (topic of interest: pharmacologic and mechanical strategies to balance ischemic and bleeding complications during and after percutaneous cardiovascular interventions; PhD thesis discussion: January 2019)

Roberto Galea (topic of interest: LAA percutaneous closure; PhD thesis discussion August 2018)

Francesco Costa (topic of interest:pharmaco-mechanical strategies to optimize the balance between ischemia and

bleeding after percutaneous coronary intervention; PhD thesis discussion: April 2018)

Marianna Adamo (topic of interest: effect of different formulations of tirofiban on thrombocytopenia and clinical outcomes in patients with acute coronary syndrome; PhD thesis discussion: April 2019)

Fortunato Iacovelli (topic of interest: angiographic analysis and outcomes of patients undergoing percutaneous coronary interventions; PhD thesis discussion: May 2019)

Marco Angellillis (topic of interest: percutaneous closure of left atrial appendage in patients at high ischemic and bleeding risk; PhD thesis discussion: May 2020)

Luca Bergamaschi (topic of interest: cardiac magnetic resonance imaging of the non-infarcted myocardium in patients with ST-segment elevation myocardial infarction and outcomes, June 2022)

Wensi Zhang ETH student (topic of interest: Automatic ECG Analysis for Occlusion Myocardial Infarction Identification and Outcome Prediction in Patients with Acute Coronary Syndromes; PhD thesis discussion: September 22, 2024)

Antonio Landi (topic of interest: coronary artery disease; percutaneous coronary intervention; revascularization; antithrombotic therapy; antiplatelet therapy)

**Mentor for EAPCI fellowship recipients**

| | |
|---|---|
| 2014-2015 | Dr Francesco Costa, Messina, Italy |
| 2015-2016 | Dr. Giusepe Gargiulo, Naples, Italy |
| 2018-2018 | Dr. Andreas Mitsis, Patra Achaias, Greece |

**External Reviewer/Committee member for PhD Thesis**

| | |
|---|---|
| 2010 | Dr. Emanuele Meliga<br>Erasmus University Medical Center<br>Rotterdam, The Netherlands |
| 2015 | Dr. Lorenz Räber<br>Erasmus University Medical Center<br>Rotterdam, The Netherlands |
| 2015 | Dr. Michael Magro<br>Erasmus University Medical Center<br>Rotterdam, The Netherlands |
| 2017 | Dr. Christian Puelacher<br>Perioperative Myocardial Injury in Non-cardiac Surgery - Incidence, Patient Characteristics, Outcome, and Possible |

| | |
|---|---|
| | Strategies to Improve Outcome<br>University of Basel, Switzerland |
| 2018 | Dr. Francesco Costa<br>Pharmaco-mechanical strategies to optimize the balance between ischemia and bleeding after percutaneous coronary intervention<br>Erasmus Medical Center<br>Rotterdam, The Netherlands |
| 2019 | Dr. Rohit Mansingh<br>Coronary vulnerability<br>Erasmus Medical Center<br>Rotterdam, The Netherlands |

**Habilitation (Member of the committee)**

| | |
|---|---|
| 2018 | Dr Rebecca Hasler MD MSc<br>Orthopedic Surgery / Traumatology<br>University of Bern<br>Bern, Switzerland |
| 2018 | Dr. Jean-Sébastien Rougier PhD<br>Molekulare Medizin<br>University of Bern<br>Bern, Switzerland |
| 2019 | Dr. med. Nasser Dhayat<br>Nephrology and Hypertension and Clinical Pharmacology<br>University of Bern<br>Bern, Switzerland |



## RESEARCH METHODOLOGY

### Clinical

| | |
|---|---|
| Trials: | Planing, organisation and conduction of several randomized controlled studies to investigate the safety and efficacy of percutaneous implanted prostheses (coronary stents, prostheses for congenital defects, heart valves) and/or anti-thrombotics. |
| Cohort studies: | Cohort studies with large patient numbers to establish, among the others, the long-term safety from stent thrombosis and/or various anti-thrombotic treatment combinations and/or with the purpose to derive and validate score systems for the prediction of bleeding and/or ischemic cardio- and cerebro-vascular events. |
| Meta-Analysis: | Principal Investigator and Co-investigator of different meta-analysis regarding safety and efficacy of heart devices and anti-thrombotics or diagnostic imaging modalities. |

## Awards

Winner of the "**Best Scientific contribution Award**" with a research project entitled: "Apoptotic activity of serum is increased in patients with pancoronary syndrome" October 2002, Verona, Italy, on behalf of GISE (Gruppo Italiano Studi di Emodinamica)

Winner of the "**Scholarship from Italian Society of Cardiology**" with a scientific contribution entitled: "Pathophysiological and clinical implications of bone marrow stem cells spontaneous mobilisation in Acute Coronary Syndromes and Heart Failure" Rome 2003, Italy, SIC (Italian Society of Cardiology)

Finalist **TCT Young Investigator Award**, October 2005, Washington

**2025 Vivli Ambassador.** Marco Valgimigli has been chosen for his commitment to data transparency and his leadership in advancing clinical research around the world




**2026 ESC Andreas Grüntzig Award Lecture**, European Society of Cardiology (ESC) – Silver medal ESC



## Memberships

Italian Society of Cardiology (SIC)

Associazione Nazionale Medici Cardiologi Ospedalieri (AMNCO)

BIG Registry (Dutch National Society of Medical Doctors)

Fellow of the European Society of Cardiology (FESC)

Italian society of Interventional Cardiology (GISE)

Schweizerische Gesellschaft für Kardiologie/Société Suisse de Cardiologie/Società Svizzera di Cardiologia

ORCID ID: https://orcid.org/0000-0002-4353-7110

## H-index

Publication range 1997-Present

Number of documents: 809

Number of citations: 99747 total citations by 66146 documents

**H-INDEX: 126**

Source Scopus (accessed on 18.11.2026)

**World's Top 2% scientists since 2020 in the Stanford University's list**
This prestigious list identifies the world's leading researchers, representing approximately 2% of all scientists worldwide. It encompasses standardized data on citations, h-index, and a wide range of bibliometric indicators.

**Highly Cited researcher in the field of Clinical Medicine – 2023**
Among the 1% most cited researchers in 2023 (Source ISI Web)




**Highly Cited researcher in the field of Clinical Medicine – 2022**
Among the 1% most cited researchers in 2022 (Source ISI Web)



**Highly Cited researcher in the field of Clinical Medicine – 2021**
Among the 1% most cited researchers in 2021 (Source ISI Web)




**Highly Cited researcher in the field of Clinical Medicine – 2020**
Among the 1% most cited researchers in 2020 (Source ISI Web)

**Highly Cited researcher in the field of Clinical Medicine – 2019**
Among the 1% most cited researchers in 2019 (Source ISI Web)

**Highly Cited researcher in the field of Clinical Medicine – 2018**
Among the 1% most cited researchers in 2018 (Source ISI Web)

**Highly Cited researcher in the field of Clinical Medicine – 2017**
Among the 1% most cited researchers in 2017 (Source ISI Web)












**Original articles**


1. Piscaglia F, Zironi G, Gaiani S, Mazziotti A, Cavallari A, Gramantieri L, **Valgimigli M**., Bolondi L. Systemic and Splanchnic Hemodynamic changes after liver translpantation for cirrhosis: a long term prospective study. Hepatology 1999,30:58-64.
2. Gramantieri L, Chieco P, Di Tommaso M, Masi L, Piscaglia F, Brillanti S, **Valgimigli M**, Mazziotti A., Bolondi L. Aberrant FHIT transcripts in primary hepatocellular carcinoma and liver cirrhosis. Clin Cancer Res 1999;5:3468-75.
3. Piscaglia F, Siringo S, Hermida RC, Legnani C, **Valgimigli M**, Donati G, Palareti G, Gramantieri L, Gaiani S, Burroughs AK, Bolondi L. Diurnal changes of fibrynolisis in patients with liver cirrhosis and sophage al varices. Hepatology 2000;31:349-57.
4. Valgimigli L, **Valgimigli M**, Gaiani S, Peduli GF, Bolondi L. Measurement of oxidative stress in human liver by EPR spin-probe technique. Free Radic Res 2000;33:167-78.
5. Piscaglia F, **Valgimigli M**, Rapezzi C, Ferlito M, Gaiani S, Siringo S, Gramantieri L, Bolondi L. Left ventricular volumes in liver cirrhosis. Dig Liver Dis 2000;32:392-7.
6. Battelli MG, Musiani S, **Valgimigli M**, Gramantieri L, Tommassoni F, Bolondi L, Stirpe F. Serum Xanthine Oxidoreductase in Human Liver Disease Am J Gastroenterol 2001;96:1194-9.
7. **Valgimigli M**, Valgimigli L, Trerè D, Gaiani S, Pedulli GF, Gramantieri L, Bolondi L. Oxidative stress EPR-measurement in human liver by radical-probe technique. Correlation with etiology, histology, and cell proliferation. Free Radic Res,2002;36:939-948.
8. **Valgimigli M**, Merli E, Mastrorilli F, Soukhomovskaia O, Malagutti P, Macrì G. Quale Futuro per il Trattamento dello scompenso cardiaco? La Cardiologia nella pratica clinica 2002;9:224-236.
9. **Valgimigli M**, Agnoletti L, Curello S, Comini L, Francolini G, Mastrorilli F, Merli E, Pirani R, Guardagli G, Grigolato PG, Ferrari R. Serum from patients with acute coronary syndromes displays a proapoptotic effect on human endothelial cells. A possible link to pan-coronary syndromes. Circulation 2003;107:264-270.
10. **Valgimigli M**, Merli E, Malagutti P, Soukhomoskaia O, Cicchitelli G, Antelli GA, Canistro D, Francolini G, Macrì G, Matrorilli F, Paolini M, Ferrari R. Hydroxyl radical generation, levels of tumor necrosis factor-alpha and progression to heart failure after acute myocardial infarction. J Am Coll Cardiol 2004;43(11):2000-8.
11. **Valgimigli M**, Percoco G, Cicchitelli G, Ferrari F, Barbieri D, Ansani L, Guardagli G, Parrinello G, Malagutti P, Soukhomoskaia O, Bettini A, Campo G, Ferrari R. High Dose Bolus Tirofiban And Sirolimus Eluting Stents Versus Abciximab And Bare Metal Stent In Acute Myocardial Infarction (Statregy). Study Protocol Desing And Demography Of The First 100 Patients. Cardiovasc Drugs Ther 2004;18(3):225-30.

12. **Valgimigli M**, Percoco G, Cicchitelli G, Barbieri D, Ferrari F, Ansani L, Guardigli G, Parrinello G, Soukhomoskaia O, Ferrari R. The Additive Value Of Tirofiban Administered With High-Dose Bolus In The Prevention Of Ischemic Complications During High-Risk Coronary Angioplasty. The Advance Trial. J Am Coll Cardiol 2004;44 (1):14-19.

13. **Valgimigli M**, Rigolin GM, Fucili A, Della Porta M, Soukhomoskaia O, Malagutti P, Bugli AM, Zenone Bragotti L, Francolini G, Mauro E, Castoldi GL, Ferrari R. CD34+ And Endothelial Progenitor Cells In Patients With Various Degrees Of Congestive Heart Failure. Circulation 2004;101:1209-1212.

14. **Valgimigli M**, Ceconi C, Malagutti P, Merli E, Soukhomovskaia O, Francolini G, Cicchitelli G, Olivares A, Parrinello G, Guardigli G, Mele D, Pirani R, Percoco G, Ferrari R. for the Cytokine-Activation and long-term prognosis in Myocardial Infarction (C-ALPHA) Study Tumor necrosis factor-alpha receptor 1 is a major predictor of mortality and new-onset heart failure in patients with acute myocardial infarction: the Cytokine-Activation and Long-Term Prognosis in Myocardial Infarction (C-ALPHA) study. Circulation 2005;111:1209-1212.

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**Guidelines and Consensus articles**


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