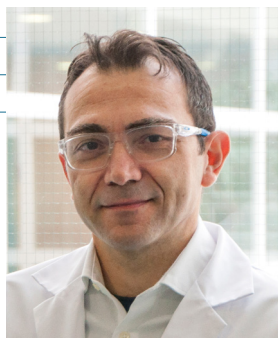


## CURRICULUM VITAE

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Prof. Marco Valgimigli, MD, PhD

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## PERSONAL DETAILS

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Date of birth      March 6<sup>th</sup>, 1972  
Place of birth     Forlì (Italy)  
Nationality        Italian

Marital Status    Defacto  
Children            Riccardo, 25/02/2007  
                          Alessandro, 30/09/2010  
                          Asia, 10/10/2018

Languages         Italian, English, German, French (basic), Dutch (basic)

Office address    Istituto Cardiocentro Ticino  
                          Department of Cardiology  
                          Via Tesserete 48  
                          CH-6900 Lugano, Switzerland

E-mail              marco.valgimigli@eoc.ch  
Business phone    +41 91 811 53 47

Home address     Strada di Fulmignano 25  
                          6977 Ruvigliana, Switzerland

## INDEX OF CONTENTS

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<b>Education / Further education</b> .....	3
<b>Professional experience</b> .....	3
Research activities.....	3
Clinical activities.....	4
Administrative and leadership experience.....	5
<b>Details of occupation</b> .....	6
Surgical subjects.....	6
Organisational responsibilities .....	6
Teaching .....	10
Scientific work .....	10
Promotion of junior researchers.....	18
<b>Research methodology</b> .....	21
<b>Various</b> .....	21
Awards.....	21
Memberships.....	21
<b>Publications</b> .....	22
H-Index .....	22
List of publications.....	24
Original articles.....	24
Review articles.....	114
Guidelines and consensus articles.....	120
Editorials.....	131
Letter to the editor.....	133
Case reports.....	135
Book chapters.....	136
The five most important original papers.....	138

## EDUCATION / FURTHER EDUCATION

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### 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  
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  
University of Ferrara, Ferrara, Italy, Magna cum laude
- 2006 PhD degree in Interventional Cardiology  
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

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### Research activities

- 1997-1999 Residency in Internal and Emergency Medicine Sciences, winning a national grant  
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-current	Deputy Chief of Cardiology at Cardiocentro Ticino, Lugano, Switzerland.

## Administrative and leadership experience

- 2009-2013 Director of the Catheterization Laboratory at the University Hospital of Ferrara, Ferrara, Italy  
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, Erasmus Medical Center and responsible person for the interaction between the Erasmus University and clinical research organizations (CRO), including Cardialysis for the planning, execution and oversight of all investigator-driven clinical research activities.
- 2015-May 2020 Director of Clinical Research of the Cardiology department, Inselspital, Bern University Hospital, Switzerland. Responsible 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-current Deputy Chief of Cardiology at Cardiocentro Ticino, Lugano, Switzerland and head of clinical research.

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## ACADEMIC APPOINTMENTS

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

## DETAILS OF OCCUPATION

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### Surgical (Interventional) Subjects

#### Operation (Intervention) Catalogue

##### **Interventions conducted as operator (2006 – end of December 2022)**

19899	Diagnostic coronary angiography
12622	Percutaneous coronary interventions
789	PFO and LAA closures
687	Transcatheter aortic valve implantation (TAVI)
29	Valvuloplasty
6687	Right heart catheterisation
39	Mitral Clip
3	Paravalvular leak closure

##### **Interventions conducted as assistant (2002 -2006)**

1079	Diagnostic coronary angiography
567	Percutaneous coronary interventions
5	PFO and LAA closures
10	Valvuloplasty
23	Percutaneous trans-spetal myocardial ablation
106	Right heart catheterisation

##### **Interventions conducted as instructor (2006 – end of December 2022)**

5867	Diagnostic coronary angiography
3455	Percutaneous coronary interventions
85	PFO and LAA closures
19	Valvuloplasty
578	Right heart catheterisation
45	TAVI
5	Mitral Clip

### Organisational responsibilities

2007-2013	Head of Invasive Cardiology, University Hospital Ferrara, Cardiology Department, Ferrara, Italy
2006-2013	Head of Research, University Hospital Ferrara, Cardiology Department, Ferrara, Italy
2013-2015	Group Leader, cardiac research on anti-thrombotic agents, University Clinic for Cardiology, Department Thorax, University Hospital Erasmus Medical Center Rotterdam, The Netherlands
2015-2020	Extraordinary Professorship for invasive cardiology and Head of Clinical Research, 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-current	Member of Scientific Advisory Board 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

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

2011-2011	Reviewer ESC Guidelines for the Diagnosis and Treatment of Non-ST Segment Elevation Acute Coronary Syndromes
2011-2012	Task Force Member ESC Guidelines for the Management of ST-Segment Elevation Myocardial Infarction
2012-2014	Task Force Member ESC Guidelines on Myocardial Revascularization 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 ESC Guidelines for the Diagnosis and Treatment of Stable Coronary Artery Disease
2013-2015	Task Force Member (Section Coordinator) ESC Guidelines for the Diagnosis and Treatment of Non-ST Segment Elevation Acute Coronary Syndromes
2015-2017	Chair-Task Force 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) ESC Guidelines for the Diagnosis and Treatment of ST Segment Elevation Myocardial Infarction
2016-2018	Reviewer 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 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)
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### **International Courses on Percutaneous Cardiovascular Interventions**

2010-current	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-current	Associate director TCT Program Committee—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



### **Editorial Board Member**

Since 2012	Journal of the American College of Cardiology – Cardiovascular Interventions
Since 2013	EuroIntervention
Since 2010	Future Cardiology
Since 2015	Asia Pacific Intervention
Since 2018	Assistant 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 Member**

2017-current	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
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### **Review for Peer Reviewed Journals**

#### **Cardiology**

Circulation, Journal of the American College of Cardiology (JACC), European Heart Journal, EuroIntervention, Circulation Cardiovascular Interventions, Journal of the American College of Cardiology Cardiovascular Interventions, American Heart Journal, American Journal of Cardiology, Catheterization and Cardiovascular Interventions, 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 Medical Journal, Archives 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.
2021	Professor of Medicine, Faculty of Biomedical Sciences, Università della Svizzera italiana, Lugano, Switzerland.

## Scientific work

### **Financial support of the Ministry 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
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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

#### **Investigator Initiated Trials**

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

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

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

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

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

Project: ZEUS: Zotarolimus-eluting Endeavor sprint stent in Uncertain DES candidates  
 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

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

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 Institute, industry support from a consortium with Biosensors, Astra Zeneca and The Medicines Company  
Nr. of partner: 5  
Own function: Co-Principal Investigator  
Period: 2013-2018  
Total amount: Euro 33'000'000.00

Project: GLASSY: GLOBAL LEADERS Adjudication Sub-Study  
Support: Inselspital, Bern University Hospital, and ECRI–European Cardiovascular Research Institute  
Nr. of partner: 19 (including Bern)  
Own function: Principal Investigator  
Period: 2017-2018  
Total amount: CHF 650'000.00

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

Project: FABOLUS FASTER: Facilitation Through Aggrastat or Cangrelor Bolus and Infusion Over prasugrel: a multicenter Randomized Open-label Trial in patients With

Support: ST-elevation Myocardial infarction Referred for primary percutaneous intervention  
Inselspital, Bern University Hospital, industry support from Medicare  
Nr. of partner: 6 (including Bern)  
Own function: Chair and Principal Investigator  
Period: 2017-2019  
Total amount: CHF 707'000.00

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 11'500'000.00

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: 4 (including Bern)  
Own function: Chair and Principal Investigator  
Period: 2018-2019  
Total amount: CHF 400'000.00

Project: XIENCE 28 SHORT DAPT  
Support: Abbott Vascular  
Nr. of partner: 50 (including Bern)  
Own function: Co-Principal Investigator  
Period: 2018-2019  
Total amount: Euro 5'000'000.00

### **Trials Initiated by Industry**

Project: EARLY ACS: Early Glycoprotein IIb/IIIa Inhibition in Non-ST-Segment Elevation Acute Coronary Syndrome  
Support: EISAI  
Nr. of partner: 29  
Own function: Local Principal Investigator  
Period: 2007-2009  
Total amount: Euro 67'000.00

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  
Total amount: Euro 38'000.00

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  
Total amount: Euro 40'000.00

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  
Total amount: Euro 85'000.00

Project: STREAM: Strategic Reperfusion Early after Myocardial  
Infarction  
Support: Boehringer Ingelheim  
Nr. of partner: 99  
Own function: Local Principal Investigator  
Period: 2008-2010  
Total amount: Euro 33'540.00

Project: SOLID-TIMI 52: Stabilization of Plaque Using Darap-  
ladib-Thrombolysis in Myocardial Infarction 52  
Support: GlaxoSmithKline  
Nr. of partner: 99  
Own function: Local Principal Investigator  
Period: 2008-2010  
Total amount: Euro 53'540.00

Project: EXAMINATION: Evaluation of the Xience-V stent in  
Acute Myocardial INfArcTION  
Support: Abbott Vascular  
Nr. of partner: 12

Own function: Executive Committee member und local Principal Investigator  
Period: 2009-2011  
Total amount: Euro 767'400.00

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  
Total amount: Euro 960'500.00

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  
Total amount: Euro 28'800.00

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: Biotroniks  
Nr. of partner: 8  
Own function: local Principal Investigator  
Period: 2015-current  
Total amount: CHF 56.000

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

**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

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.

ENTRUST: Evaluation of the Safety and Efficacy of an Edoxaban-based Antithrombotic Regimen in Patients with Atrial Fibrillation Following Successful Percutaneous Coronary Intervention **(PCI) with Stent Placement**

Sponsor: Daiichi Sankyo

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

ENTRUST-AF-PCI: Evaluation of the Safety and Efficacy of an Edoxaban-based Compared to a Vitamin K Antagonist-based Antithrombotic Regimen in Subjects With Atrial Fibrillation Following Successful Percutaneous 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

## 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, Mastroianni 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.

### **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: predittori di complessita' procedural e di efficacia e sicurezza a breve e lungo termine in pazienti sottoposti a chiusura percutanea dell'auricola sinistra: analisi retrospettiva di un centro ad alto volume; 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: tbd)

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: tbd)

### **Mentor for EAPCI fellowship recipients**

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

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

2010	Dr. Emanuele Meliga Erasmus University Medical Center Rotterdam, The Netherlands
2015	Dr. Lorenz Räber Erasmus University Medical Center Rotterdam, The Netherlands
2015	Dr. Michael Magro Erasmus University Medical Center Rotterdam, The Netherlands

- 2017 Dr. Christian Puelacher  
Perioperative Myocardial Injury in Non-cardiac Surgery -  
Incidence, Patient Characteristics, Outcome, and Possible  
Strategies to Improve Outcome  
University of Basel, Switzerland
- 2018 Dr. Francesco Costa  
Pharmaco-mechanical strategies to optimize the balance  
between ischemia and bleeding after percutaneous coronary  
intervention  
Erasmus Medical Center  
Rotterdam, The Netherlands
- 2019 Dr. Rohit Mansingh  
Coronary vulnerability  
Erasmus Medical Center  
Rotterdam, The Netherlands

#### **Habilitation**

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

## RESEARCH METHODOLOGY

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### Clinical

Multicentric	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).
Cohort studies	Cohort studies with large patient numbers to establish the long term safety from stent thrombosis.
Meta-Analysis	Co-investigator of different meta-analysis regarding safety.

## VARIOUS

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### 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

### 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

## PUBLICATIONS

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

### H-index

Publication range 1997-Present

Number of documents: 740

Number of citations: 40182 total citations by 27007 documents

**H-INDEX: 110**

Source Scopus (accessed on 18.01.2024)

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



22

**Highly Cited researcher in the field of Clinical Medicine – 2021**  
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**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)**



## List of Publications

### 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 transplantation 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 fibrynolysis in patients with liver cirrhosis and sophageal 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, Mastroianni 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, Mastroianni 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, Mastroianni 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.
15. **Valgimigli M**, Van Mieghem C, Ong ATL, Aoki J, Rofrieguez-Granillo GA, McFadden EP, Kappetein AP, de Feyter P, Smits PC, Regar E, van der Giessen WJ, Sianos G, de Jaegere P, van Domburg RT, Serruys PW. Short And Long Term Clinical Outcome After Drug-Eluting Stent Implantation For The Percutaneous Treatment Of The Left Main Coronary Artery Disease. Insights From The Rapamycin Eluting- And Taxus- Stent Evaluated At Rotterdam Cardiology Hospital Registries (Research And T-Search). *Circulation* 2005;111:1383-1389.
16. Ong ATL, Serruys PW, Aoki J, Hoye A, Van Mieghem MC, Rodrieguez-Granillo GA, **Valgimigli M**, Schennenschein K, Regar E, de Jaegere P, de Feyter P, McFadden EP, Sianos G, van der Giessen WJ, van Domburg RT. The Unrestricted Use Of Paclitaxel- Versus Sirolimus- Eluting Stents For Coornary Artery Disease In An Unselected Population. One Year Results Of The Taxus-Stent Evaluated At Rotterdam Cardiology Hospital (T-Search) Registry. *J Am Coll Cardiol* 2005;45:1135-1141.
17. Agostoni F, **Valgimigli M**, Van Mieghem CA, Rodrieguez-Granillo GA, Aoki J, Ong AT, Tsuchida K, McFadden EP, de Feyter P, Smits PC, Regar E, van der Giessen WJ, Sianos G, de Jaegere P, van Domburg RT, Serruys PW. Comparison Of Early Outcome Of Percutaneous Coronary Intervention For Unprotected Left Main Coronary Artery Disease In The Drug Eluting Stent Era With Versus Without Intravascular Ultrasonic Guidance. *Am J Cardiol* 2005;95(5):644-647.
18. **Valgimigli M**, Rigolin GM, Cittanti C, Malagutti P, Curello S, Percoco GF, Bugli AM, Porta MD, Bragotti LZ, Ansani L, Mauro E, Lanfranchi

- A, Giganti M, Feggi L, Castoldi GL, Ferrari R. Use Of Granulocyte Colony Stimulating Factor During Acute Myocardial Infarction To Enhance Bone Marrow Stem Cell Mobilization In Humans: Clinical And Angiographic Safety Profile. *Eur Heart J* 2005 Sep;26(18):1838-45.
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  22. Hoyer A, Van Mieghem C, Ong ATL, Aoki J, Rodrieguez-Granillo GA, **Valgimigli M**, Tsuchida K, Sianos G, McFadden E, van der Giessen WJ, de Feyter PJ, van Domburg RT, Serruys PW. Percutaneous Therapy Of Bifurcation Lesions With Drug-Eluting Stent Implantation: The Culotte Technique Revisited. *Int J Cardiovasc Interv* 2005;7(1):36-40.
  23. Rodrieguez-Granillo GA, Aoki J, Ong AT, **Valgimigli M**, Van Mieghem MC, Regar E, McFadden EP, de Feyter P, Serruys PW. Methodological Considerations And Approach To Cross-Technique Comparisons Using In Vivo Coronary Plaque Characterization Based On Intravascular Ultrasound Radiofrequency Data Analysis: Insights From The Integrated Biomarker And Imaging Study (Ibis). *Int J Cardiovasc Intervent* 2005;7(1):52-8.
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37. Rodriguez-Granillo GA, Garcia-Garcia HM, Wentzel J, **Valgimigli M**, Tsuchida K, van der Giessen W, de Jaegere P, Regar E, de Feyter PJ, Serruys PW. Plaque composition and its relationship with acknowledged shear stress patterns in coronary arteries. *J Am Coll Cardiol.* 2006 Feb 21;47(4):884-5.
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45. **Valgimigli M**, P.Malagutti, C.A.G.van Mieghem, S.Vania, J.M.Ligthart, G.Sianos, P.W.Serruys. Persistence of neointimal growth 12 months after intervention and occurrence of delayed restenosis in patients with left main coronary artery disease treated with drug eluting stents. *J Am Coll Cardiol*. 2006 Apr 4;47(7):1491-4.
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