

**EUROPEAN
CURRICULUM VITAE
FORMAT**



PERSONAL INFORMATION

Name

LAURA CAVALLOTTI

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Nationality
Date of birth

Italian
11/03/1982

WORK EXPERIENCE

Dates (from-to)
Name and address of employer
Type of business or sector
Occupation or position held

3/2004-3/2005
AO Vimercate (MB) Italy
Internal Medicine (prof Segna, dr Aldrovandi)
Internship: clinical activity and emergency room activities

Dates (from-to)
Name and address of employer
Type of business or sector
Occupation or position held

3/2005-8/2007
San Gerardo Hospital, Monza (MB) Italy
Cardiac Surgery (prof Paolini)
Internship: clinical and surgical activities

Dates (from-to)
Name and address of employer
Type of business or sector
Occupation or position held

9/2007-3/2008
Centro Cardiologico Monzino IRCCS, Milan (MI) Italy
Cardiac Surgery (prof Biglioli)
Internship: clinical and surgical activities

Dates (from-to)
Name and address of employer
Type of business or sector
Occupation or position held

3/2008-4/2013
Centro Cardiologico Monzino IRCCS, Milan (MI) Italy
Cardiac Surgery (prof Biglioli-prof Alamanni)
Cardiac Surgery Resident: clinical, surgical and scientific activities

Dates (from-to)
Name and address of employer
Type of business or sector
Occupation or position held

4/2013-11/2016
Centro Cardiologico Monzino IRCCS, Milan (MI) Italy
Cardiac Surgery
Cardiac Surgery Assistant (fixed-term employment): clinical, surgical and scientific activities

Dates (from-to)
Name and address of employer
Type of business or sector
Occupation or position held

11/2016-10/2022
Centro Cardiologico Monzino IRCCS, Milan (MI) Italy
Cardiac Surgery
Cardiac Surgery Assistant: clinical, surgical and scientific activities

Dates (from-to)
Name and address of employer
Type of business or sector
Occupation or position held

10/2022-now
Policlinico San Matteo Pavia Fondazione IRCCS, Pavia (PV) Italy
Cardiac Surgery
Cardiac Surgery Assistant: clinical, surgical and scientific activities

EDUCATION AND TRAINING	
Dates (from-to)	1996-2001
Name and type of organization providing education and training	Liceo Classico Collegio Villoresi San Giuseppe, Monza (MB) Italy
Principal subjects/occupational skills covered	Student
Title of qualification awarded	High school diploma
Dates (from-to)	2001-2007
Name and type of organization providing education and training	Università degli Studi Milano-Bicocca, Monza (MB) Italy
Principal subjects/occupational skills covered	Student
Title of qualification awarded	MD degree cum laude Thesis: Surgical treatment of ischemic mitral valve regurgitation
Dates (from-to)	11/2008-2/2009
Name and type of organization providing education and training	Post-Lauream training, Università degli Studi Milano-Bicocca, Monza (MB) Italy
Principal subjects/occupational skills covered	General practice, Nephrology, Neurosurgery
Title of qualification awarded	Professional license to medical practice in UE
Dates (from-to)	3/2008-4/2013
Name and type of organization providing education and training	Post-graduate Course of Cardiac Surgery, Università degli Studi di Milano, Centro Cardiologico Monzino (prof Biglioli, prof Alamanni)
Principal subjects/occupational skills covered	Surgical, clinical and scientific activities
Title of qualification awarded	MD Specialist in Cardiac Surgery cum Laude Thesis: Medium term coronaric grafts patency: relation with biomarkers, clinical risk factors and MACCE
Dates (from-to)	10/2014-12/2017
Name and type of organization providing education and training	Post-Graduate Course, Università degli Studi di Milano Istituto Ortopedico Galeazzi IRCCS, Milan (prof Weinstein, prof Del Fabbro) Centro Cardiologico Monzino IRCCS (prof Alamanni)
Principal subjects/occupational skills covered	Scientific activities
Title of qualification awarded	PhD Thesis: Oral bacterial microbiome in atherosclerotic plaque
Dates (from-to)	28 th -29 th March 2017
Name and type of organization providing education and training	Edwards, Nyon
Principal subjects/occupational skills covered	Edwards Sapien 3 THV Fundamentals Training
Title of qualification awarded	Lincense to implant Edwards Sapien 3 Valve
SURGICAL EXPERIENCE	
1 st Surgeon	About 200 Cardiac Surgery Operation

PERSONAL SKILLS AND COMPETENCES	MOTHER TONGUE	ITALIAN
	OTHER LANGUAGES	ENGLISH
	Reading skills	Excellent
	Writing Skills	Good
	Verbal skills	Good
		FRENCH
	Reading skills	Basic
	Writing Skills	Basic
	Verbal skills	Basic
SOCIAL SKILLS AND COMPETENCES		Good social skills
		Ability to teamwork
		Predisposition to teaching
ORGANIZATIONAL SKILLS AND COMPETENCES		Problem-solving
		Patient's management in postoperative home hospitalization
		Surgeon on call for cardiovascular tissue bank (Homograft)
TECHNICAL SKILLS AND COMPETENCES		• Computer: ○ Office (word, power point, excel, access) ○ SPSS, Graphpad ○ Movie Maker ○ IOs (keynote, Pages, Numbers, iMovie) ○ Endnote • Course: ○ Basic Life Support Defibrillator ○ Evaluation CT scan for TAVI with Horos 25/01/2018 ○ GoodClinicalPractice Certification 29/01/2018 ○ Hemostats and sealant in cardiac surgery 22/03/2014, Rome ○ Fundamentals of valve repair 19-21/5/2014, Barcelona ○ MICS tech in practice 9-10/09/2014, Ancona ○ New treatments of aortic stenosis 23-25/11/2015, Vienna ○ Atrial Fibrillation, options and outcomes 10-11/03/2011, Milan ○ Mitral valve training: Hands on simulation 29/11/2014, Rome ○ Course for medical writing and congress presentation 13-15/04/2012, Brescia ○ Bleeding in cardiac surgery, pharmacological and surgical treatment 7/5/2010, Rivolta D'Adda ○ Cardio Course Italian Workshop 9-10/09/2010 at Covidien European Training Centre, Elancourt ○ Anastomotic Skills Lab 4/12/2013, Milan ○ Takeda consultant for hemostasis in cardiovascular surgery 9/2017 ○ Public Speaking 10,16/05/2018 ○ TAVI SKILLS FOR SURGEONS (Evolut TAVI platform) Transfemoral TAVI and intra-procedure imaging for cardiac surgeons 30-31/08/2018, Leipzig ○ Surgical Treatment of Atrial Fibrillation Workshop 13-14/09/2018, Leiden ○ TAVI Today (TAVI Implanters Annual Meeting) 09/11/2018 Milan ○ OCS HEART training and certification

**SCIENTIFIC WORK
CONGRESS**

- AURORA EV ICD training and certification
- Clinical research (Multicenter Trial)
 - MISSION
 - FOUNDATION
 - OPERA
 - GISSI-VAR
 - SINTAX 3
 - OUTSTANDING
- “Surgical treatment of ventricular tachiarrrhythmias cardiac tumors related” Oral presentation at Cardioncology 2009 –IEO- Milan
- “Surgical treatment of ventricular tachiarrrhythmias cardiac tumors related” Oral presentation at 59° ESCVS International congress 2010 - Izmir
- “Patient profile modulates cardiac C-Kit⁺ progenitor cell availability and amplification potential” Oral presentation SICCH 2012 - Rome
- “Statins and nonrheumatic calcific aortic stenosis: a meta-analysis on outcomes and disease progression.” Parolari A, Tremoli E, **Cavallotti L**, Trezzi M, Loardi C, Crippa I, Veglia F, Pacini D, Alamanni F. Poster presentation c/o AHA Orlando 2009
- Preoperative D-Dimer and haptoglobin phenotype predict both venous and arterial grafts occlusion at mid-term follow-up. Results from the CoronAry Bypass Grafting; factors related to late events and Graft patency (CAGE) study. Parolari A, **Cavallotti L** Myasoedova V 2014 Circulation 130, pp 13814 Poster presentation
- Speaker at SICCH 2012, Rome
- Speaker at SICCH 2014
- “Clinical case on new antiaggregation therapies” Oral presentation at round table “antiaggregation in ACS” Milan, 25/05/2016
- Moderator at SICCH 2016, Rome
- Relator “guidelines for tricuspid valve”, congress Tricuspid valve: the forgotten valve 28/01/2016
- Speaker at the Joint Annual Meeting of SSC and the SSCS 10-12/06/2015 , Zurich
- Speaker congress “New disputes in Cardiology: PCI vs bypass in elderly patients” 03/03/2018 Milan
- Speaker “Ecocardiocirurgia 2018”, 9-11/04/2018, Milan
- Speaker “Blood save in Cardiac Surgery” 4-5/06/2018, Padova
- “Trattato di chirurgia cardiaca” Luigi Chiariello Chapter 36” Malattie del pericardio” Alamanni F, Zanobini M, Naliato M, **Cavallotti L**

BOOKS

GRANTS

PUBBLICATIONS

- CHALLENGING CASE REPORT AWARD given by the European Society of Cardiology on behalf of the ESC Cardiologist of tomorrow in recognition of outstanding scientific work 29/08/2011 Paris
- “Nonrheumatic calcific aortic stenosis: an overview from basic science to pharmacological prevention”. Parolari A, Loardi C, Mussoni L, **Cavallotti L**, Camera M, Biglioli P, Tremoli E, Alamanni F. Eur J Cardiothoracic Surg 2009
- “Surgical treatment of VT cardiac tumors related” **Cavallotti L**, Naliato M, Loardi C, Zanobini M, Maccabelli G, Della Bella P, Parolari A, Alamanni F. ICVTS 10 (suppl 1) S1-S220 (2010)
- “EuroSCORE performance in valve surgery: a meta-analysis.” Parolari A, Pesce LL, Trezzi M, **Cavallotti L**, Kassem S, Loardi C, Pacini D, Tremoli E, Alamanni F. Ann Thorac Surg. 2010 Mar;89(3):787-93, 793.e1-2
- “Risk factors for perioperative acute kidney injury after adult cardiac surgery: role of perioperative management. Parolari A, Pesce LL, Pacini D, Mazzanti V, Salis S, Sciacovelli C, Rossi F, Alamanni F; **Monzino**

research Group on cardiac surgery outcomes. Ann Thorac Surg 2012 Feb;90(2):584-91

- “Do statins improve outcomes and delay the progression of non-rheumatic calcific aortic stenosis?” Parolari A, Tremoli E, **Cavallotti L**, Trezzi M, Kassem S, Loardi C, Veglia F, Ferrari G, Pacini D, Alamanni F. Heart 2011 Apr;97(7):523-9 Review
- “Aneurisma post-infartuale del ventricolo sinistro: l’importanza del team cardiocirurgo-elettrofisiologo.” Zanobini M, **Cavallotti L**. HF informer 2/2011 23-25
- Biology of mitral valve prolapse: the harvest is big, but the workers are few.” Loardi C, Alamanni F, Trezzi M, Kassem S, **Cavallotti L**, Tremoli E, Pacini D, Parolari A. Int J Cardiol 2011 Sep 1;151(2):129-35 Review
- “Fish oil and postoperative atrial fibrillation: the Omega-3 fatty acids for Prevention of post-opERative Atrial-fibrillation (OPERA) randomized trial.” Mozaffarian D, Marchioli R, Macchia A, Silletta MG, Ferrazzi P, Gardner TJ, Latini R, Libby P, Lombardi F, O’Gara PT, Page RL, Tavazzi L, Tognoni G **Opera investigators**. JAMA 2012 Nov 21;308(19):2001-11. Erratum in: JAMA 2013 Mar &;309(9):876
- “An unusual presentation of giant right coronary artery pseudoaneurysm as a late complication of stent fracture treated by hybrid procedure” Pontone G, **Cavallotti L**, Bertella E, Andreini D, Lualdi A, Alamanni F. JACC CV Im 2014 Oct 7;NO.10, e 145-6
- “Circulating cardiac biomarkers and postoperative atrial fibrillation in the OPERA trial.” Masson S, Wu JH, Simon C, Barlera S, Marchioli R, Mariani J, Macchia A, Lombardi F, Vago T, Aleksova A, Dreas L, Favalaro RR, Hershsen AR, Puskas JD, Dozza L, Silletta MG, Tognoni G, Mozaffarian D, Latini R **OPERA Investigators** Eur J Clin Invest 2015 Feb;45(2):170-8
- “Full GMP-compliant validation of bone marrow-derived human CD133(+) cells as advanced therapy medicinal product for refractory ischemic cardiomyopathy.” Belotti D, Gaipa G, Bassetti B, Cabiati B, Spaltro G, Biagi E, Parma M, Biondi A, **Cavallotti L**, Gambini E, Pompilio G. Biomed Res Int 2015;2015:473159
- “Impact of Valve Morphology on the prevalence of Coronary Artery Disease: a systematic Review and Meta-analysis.” Poggio P, **Cavallotti L (co-first)**, Songia P, Di Minno A, Ambrosino P, Mammana L, Parolari A, Alamanni F, Tremoli E, Di Minno MN J Am Heart Assoc 2016 May 18;5(5)
- “Cell therapy for heart disease after 15 years: unmet expectations.” Nigro P, Bassetti B, **Cavallotti L**, Catto V, Carbucicchio C, Pompilio G. Pharmacol Res 2017 Feb 21 S1043-6618(16)31000-3
- “D-dimer is associated with arterial and venous coronary artery bypass graft occlusion.” Parolari A, **Cavallotti L (co-first)**, Andreini D, Myasoedova V, Banfi C, Camera M, Poggio P, Barili F, Pontone G, Mussoni L, Centenaro C, Alamanni F, Tremoli E. CAGE study investigators. J Thorac Cardiovasc Surg 2017 Apr 27 pii: S0022-5223(17)30863-2
- “The ‘respect rather than resect’ principle in mitral valve repair: the lateral dislocation of the P2 technique. Zanobini M, Ricciardi G, Mammana FL, Kassem S, Poggio P, Di Minno A, **Cavallotti L**, Saccocci M. 2017 Journal of Cardiovascular Medicine 18(9), pp. 687-690
- “On-pump cardiac surgery enhances platelet renewal and impairs aspirin pharmacodynamics: effects of improved dosing regimens.” Cavalca V, Rocca, Veglia F, Petrucci G, Porro B, Myasoedova V, De Cristofaro R, Turnu L, Bonomi A, Songia P, **Cavallotti L**, Zanobini M, Camera M, Alamanni F, Parolari A, Patrono C, Tremoli E Clinical Pharmacology and Therapeutics 2017

- “Cell Therapy for Refractory Angina: a reappraisal.” Bassetti B, Nigro P, Catto V, **Cavallotti L**, Righetti S, Achilli F, Scacciatella P, Carbuicchio C, Pompilio G. *Stem Cells Int* 2017;2017:5648690 Review
- “Predictive value of circulating microvesicles in coronary artery bypass graft patency.” Brambilla M, Canzano P, Rossetti L, Zara C, **Cavallotti L**, Parolari A, Veglia F, Tremoli E, Camera M. *Atherosclerosis* 2017 Aug;263:e30
- “PCSK9 Involvement in Aortic Valve Calcification” Poggio P, Songia P, **Cavallotti L**, Barbieri SS, Zanotti I, Arsenault BJ, Valerio V, Ferri N, Capoulade R, Camera M. *J Am Coll Cardiol*. 2018 Dec 18;72(24):3225-3227.
- “Elective replacement of the ascending aorta: not only size matters!” Roberto M, Giambuzzi I, **Cavallotti L**, Bonalumi G. *Eur J Cardiothorac Surg*. 2021 Jul 14;60(1):207-208. doi: 10.1093/ejcts/ezab043.
- “Aortic Valve Sclerosis in High-Risk Coronary Artery Disease Patients.” Myasoedova VA, Genovese S, **Cavallotti L**, Bonomi A, Chiesa M, Campodonico J, Rondinelli M, Cosentino N, Baldassarre D, Veglia F, Pepi M, Alamanni F, Colombo GI, Marenzi G, Poggio P. *Front Cardiovasc Med*. 2021 Jul 27;8:711899. doi: 10.3389/fcvm.2021.711899. eCollection 2021.
- “Very Long-term Outcome of Minimally Invasive Direct Coronary Artery Bypass.” Mastroiacovo G, Manganiello S, Pirola S, Tedesco C, **Cavallotti L**, Antona C, Alamanni F, Pompilio G. *Ann Thorac Surg*. 2021 Mar;111(3):845-852. doi: 10.1016/j.athoracsur.2020.06.025. Epub 2020 Aug 17.
- “Endothelial Dysfunction in Patients with Severe Mitral Regurgitation.” Porro B, Songia P, Myasoedova VA, Valerio V, Moschetta D, Gripari P, Fusini L, **Cavallotti L**, Canzano P, Turnu L, Alamanni F, Camera M, Cavalca V, Poggio P. *J Clin Med*. 2019 Jun 12;8(6):835. doi: 10.3390/jcm8060835.
- “Preoperative neurological dysfunctions: what is their meaning in patients presenting with acute type A aortic dissection?” Giambuzzi I, Mastroiacovo G, Roberto M, Pirola S, Alamanni F, **Cavallotti L**, Bonalumi G. *Minerva Cardioangiol*. 2020 Oct;68(5):511-517. doi: 10.23736/S0026-4725.20.05230-5. Epub 2020 Jun 10.
- “Association of Microvesicles With Graft Patency in Patients Undergoing CABG Surgery.” Camera M, Brambilla M, Canzano P, **Cavallotti L**, Parolari A, Tedesco CC, Zara C, Rossetti L, Tremoli E. *J Am Coll Cardiol*. 2020 Jun 9;75(22):2819-2832. doi: 10.1016/j.jacc.2020.03.073.
- “Aortic Valve Sclerosis as an Important Predictor of Long-Term Mortality in Patients With Carotid Atheromatous Plaque Requiring Carotid Endarterectomy.” Myasoedova VA, Saccu C, Chiesa M, Songia P, Alfieri V, Massaiu I, Valerio V, Moschetta D, Gripari P, Naliato M, **Cavallotti L**, Spirito R, Trabattori P, Poggio P. *Front Cardiovasc Med*. 2021 May 28;8:653991. doi: 10.3389/fcvm.2021.653991. eCollection 2021.
- “Reoperative transapical transcatheter aortic valve implantation for a degenerated biological valve.” Ricciardi G, **Cavallotti L**, Alamanni F, Roberto M. *JTCVS Tech*. 2020 Nov 3;4:118-120. doi: 10.1016/j.xjtc.2020.10.037. eCollection 2020 Dec.
- “Mercaptoalbumin Is Associated with Graft Patency in Patients Undergoing Coronary Artery Bypass Grafting.” Brioschi M, Gianazza E, Andreini D, Mushtaq S, **Cavallotti L**, Veglia F, Tedesco CC, Colombo GI, Pepi M, Polvani G, Tremoli E, Parolari A, Banfi C. *Antioxidants (Basel)*. 2022 Apr 2;11(4):702. doi: 10.3390/antiox11040702.

- “Long-term secondary cardiovascular prevention programme in patients subjected to coronary artery bypass surgery.” Werba JP, Bonomi A, Giroli M, Amato M, Vigo L, Agrifoglio M, Alamanni F, **Cavallotti L**, Kassem S, Naliato M, Parolari A, Penza E, Polvani G, Pompilio G, Porqueddu M, Roberto M, Salis S, Zanobini M, Amato M, Baldassarre D, Veglia F, Tremoli E. *Eur J Prev Cardiol.* 2022 May 25;29(7):997-1004. doi: 10.1093/eurjpc/zwaa060.
- “Prospective Evaluation of Clinico-Pathological Predictors of Postoperative Atrial Fibrillation: An Ancillary Study From the OPERA Trial.” Corradi D, Saffitz JE, Novelli D, Asimaki A, Simon C, Oldoni E, Masson S, Meessen JMTA, Monaco R, Manuguerra R, Latini R, Libby P, Tavazzi L, Marchioli R, Dozza L, **Cavallotti L**, Aleksova A, Gregorini R, Mozaffarian D. *Circ Arrhythm Electrophysiol.* 2020 Aug;13(8):e008382. doi: 10.1161/CIRCEP.120.008382. Epub 2020 Jul 12.
- “Abnormal DNA Methylation Induced by Hyperglycemia Reduces CXCR 4 Gene Expression in CD 34+ Stem Cells.” Vigorelli V, Resta J, Bianchessi V, Lauri A, Bassetti B, Agrifoglio M, Pesce M, Polvani G, Bonalumi G, **Cavallotti L**, Alamanni F, Genovese S, Pompilio G, Vinci MC. *J Am Heart Assoc.* 2019 May 7;8(9):e010012. doi: 10.1161/JAHA.118.010012.
- “Cardiovascular morbidity and mortality in patients with aortic valve calcification: A systematic review and meta-analysis.” Di Minno MND, Poggio P, Conte E, Myasoedova V, Songia P, Mushtaq S, **Cavallotti L**, Moschetta D, Di Minno A, Spadarella G, Pizzicato P, Pontone G, Pepi M, Andreini D. *J Cardiovasc Comput Tomogr.* 2019 Jul-Aug;13(4):190-195. doi: 10.1016/j.jcct.2019.06.006. Epub 2019 Jun 11.
- “Aortic Valve Sclerosis Adds to Prediction of Short-Term Mortality in Patients with Documented Coronary Atherosclerosis.” Poggio P, **Cavallotti L**, Myasoedova VA, Bonomi A, Songia P, Gripari P, Valerio V, Amato M, Barbieri S, Faggiano P, Alamanni F, Veglia F, Pepi M, Tremoli E, Baldassarre D. *J Clin Med.* 2019 Aug 5;8(8):1172. doi: 10.3390/jcm8081172.
- “A call to action becomes practice: cardiac and vascular surgery during the COVID-19 pandemic based on the Lombardy emergency guidelines.” Bonalumi G, Giambuzzi I, Barbone A, Ranieri C, **Cavallotti L**, Trabattoni P, Naliato M, Polvani G, Torracca L, Pelenghi S, Ragni F, Russo CF, Guerra F, Trimarchi S, Civilini E, Romani F, Bellosta R, Losa S, Roberto M, Alamanni F. *Eur J Cardiothorac Surg.* 2020 Aug 1;58(2):319-327. doi: 10.1093/ejcts/ezaa204.
- “Impact of Fractional Flow Reserve Derived From Coronary Computed Tomography Angiography on Heart Team Treatment Decision-Making in Patients With Multivessel Coronary Artery Disease: Insights From the SYNTAX III REVOLUTION Trial.” Andreini D, Modolo R, Katagiri Y, Mushtaq S, Sonck J, Collet C, De Martini S, Roberto M, Tanaka K, Miyazaki Y, Czaplá J, Schoors D, Plass A, Maisano F, Kaufmann P, Orry X, Metzendorf PA, Folliguet T, Färber G, Diamantis I, Schönweiß M, Bonalumi G, Guglielmo M, Ferrari C, Olivares P, **Cavallotti L**, Leal I, Lindeboom W, Onuma Y, Serruys PW, Bartorelli AL; SYNTAX III REVOLUTION Investigators. *Circ Cardiovasc Interv.* 2019 Dec;12(12):e007607. doi: 10.1161/CIRCINTERVENTIONS.118.007607. Epub 2019 Dec 13.
- “Multi-omics in thoracic aortic aneurysm: the complex road to the simplification” Rega S, Farina F, Bouhuis S, de Donato S, Chiesa M, Poggio P, **Cavallotti L**, Bonalumi G, Giambuzzi I, Pompilio G, Perrucci GL. *Cell Biosci.* 2023 Jul 20; 13(1):131. Doi: 10.1186/s13578-023-01080-w
- “Mercaptoalbumin Is Associated with Graft Patency in Patients Undergoing Coronary Artery Bypass Grafting.” Brioschi M, Gianazza E, Andreini D, Mushtaq S, **Cavallotti L**, Veglia F, Tedesco CC, Colombo GI, Pepi M, Polvani G, Tremoli E, Parolari A, Banfi C. *Antioxidants (Basel).* 2022 Apr 2;11(4):702. doi: 10.3390/antiox11040702.

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