

## INFORMAZIONI PERSONALI

## Camera Marina

📍 Dept. of Pharmacological and Biomolecular Sciences, Università degli Studi di Milano Via Balzaretti, 9, 20133 Milan (Italy)

📞 0258002255

✉ marina.camera@unimi.it

## POSIZIONE RICOPERTA

Associate Professor of Pharmacology (BIO 14; 05/G1 - Pharmacology, Clinical Pharmacology and Pharmacognosy)

## ESPERIENZA PROFESSIONALE

21/02/2018–alla data attuale

Co-Chairman of the Scientific and Standardization Subcommittee on Platelet Physiology of the International Society of Haemostasis and Thrombosis.

19/04/2017–alla data attuale

Associate Professor of Pharmacology at the Department of Pharmacological and Biomolecular Sciences; University of Milan.  
Università degli Studi di Milano, Milan (Italy)

2008–2018

Member of the board of Lecturers in the PhD program in Biotechnologies applied to pharmacology and cellular and molecular biotechnologies, University of Milan.  
Università degli Studi di Milano

24/05/2006

Assistant professor of Pharmacology, Faculty of Pharmacy, University of Milan.  
Università degli Studi di Milano

2003–2015

Member of the Scientific Board of the Center of Pharmacological Research for the Study and Prevention of Cardiovascular Diseases, c/o Centro Cardiologico Fondazione Monzino IRCCS, Milan.

2003–2015

Member of the Scientific Board of the Center of Pharmacological Research for the Study and Prevention of Cardiovascular Diseases, c/o Centro Cardiologico Fondazione Monzino IRCCS, Milan.

2001–alla data attuale

She serves as consultant for the Centro Cardiologico Monzino IRCCS, Via Parea, 4 - Milan based on a decree of the Dean of the University of Milan and she is in charge of the Unit of Cellular and Molecular Biology in Cardiovascular Disease in this hospital.

1998–2003

Member of the board of Lecturers of the Specialization School in Toxicology.  
Università degli Studi di Milano

07/1995–08/1995

Visiting scientist in the Laboratory directed by Prof. Alexander Clowes, Department of Surgery, University of Washington, Seattle, USA. In this period she deals with the role of Tissue Factor in the atherothrombotic process.

1994–1995

Research Associate in the laboratories directed by Prof. Yale Nemerson and Mark Taubman, Dept. of Medicine, Div. of Thrombosis Research and Molecular

Cardiology, Mount Sinai School of Medicine, New York, N.Y., USA. In this period she deals with the modulation of endothelial Tissue Factor expression by growth factors.

- 1993–1994 Research Associate within a NIHBLI-USA program in the Laboratory directed by Dct. B.B. Weksler, Cornell Medical Center, Division of Hematology and Oncology, Cornell University, New York, N.Y. In this period her research activity is focused on the morphological and functional characterization of human immortalized endothelial cells isolated from large vessels and capillaries. The modulation of the coagulation and fibrinolytic systems are also addressed.
- 07/1988–08/1988 Visiting scientist at the Nuovo Policlinico of Naples, Internal Medicine and Dismetabolic Diseases, II° Faculty of Medicine, directed by Prof. Mancini.
- 03/1988–04/1988 Visiting scientist at Policlinico San Matteo di Pavia, laboratory of Angiohematology, Istituto di Clinica Medica II, directed by Prof. Ascari.
- 01/1988–06/2001 Fellow in the Laboratory of Pharmacology of Thrombotic Diseases, directed by Prof. Elena Tremoli, at the Dept. of Pharmacological Sciences, Università degli Studi di Milano.
- 1985–1987 Internship at the Institute of Zoology and Cytology, Department of Biology, University of Milan, under the supervision of Prof. G. Vailati and A. Necco for carrying out the experimental thesis.

ISTRUZIONE E FORMAZIONE

- 12/04/2017 Professional national qualification for Full Professor of Pharmacology, Clinical Pharmacology and Pharmacognosy.
- 06/02/2014 Professional national qualification for Associate Professor of Pharmacology, Clinical Pharmacology and Pharmacognosy.
- 1989–1993 Degree of Doctor of Philosophy in “Biotechnologies applied to pharmacology and cellular and molecular biotechnologies”, Faculty of Pharmacy, University of Milan. Thesis: “Effect of native and modified lipoproteins on the prothrombotic potential of endothelial cells ”.
- 1997 Master Degree in Biological Sciences at the University of Milan, Italy.

COMPETENZE PERSONALI

Lingua madre Italian

Lingue straniere	COMPRESIONE		PARLATO		PRODUZIONE SCRITTA
	Ascolto	Lettura	Interazione	Produzione orale	
english	C2	C2	C2	C2	C2

Livelli: A1 e A2: Utente base - B1 e B2: Utente autonomo - C1 e C2: Utente avanzato  
Quadro Comune Europeo di Riferimento delle Lingue

## Competenze comunicative

good communication skills acquired in more than 20 years of teaching and congress activities in which I have participated.

## INVITED ORAL LECTURES (International Meetings)

- 2017 ESC Congress 2017. Barcelona 26-30 August 2017. Title: "PCSK9 is a co-activator of platelet function beyond its role in cholesterol homeostasis".
- 2017 12th International Winter Meeting on Coagulation. Mantova, Italy – May 24-27, 2017. Title: "Platelet Tissue Factor".
- 2016 ESC Congress 2016. Roma 27-31 Agosto 2016. Title: "Functional and phenotypical heterogeneity of platelets in atherothrombosis".
- 2016 Frontiers in CardioVascular Biology Congress 2016. Firenze 8-10 Luglio 2016. Title: "Platelet activation and Tissue Factor expression: old players for new concepts in thrombosis".
- 2015 Eurothrombosis 2015, Como, Italy, October 1-3, 2015. Title: "Relevance of platelet tissue factor in thrombus formation".
- 2013 Eurothrombosis 2013, Uppsala, Sweden, October 3-5, 2013. Title: "Platelet activation and Tissue Factor expression: old players for new concepts in cardiovascular diseases".
- 2013 11th International Winter Meeting on Coagulation. Bormio, Italy – April 14-20, 2013. Title: "The platelet transcriptome in health and in cardiovascular disease".
- 2012 ESC European Society of Cardiology Congress 2012, Munich (Germany) August 25-29, 2012. Title: "Platelet activation and Tissue Factor expression".
- 2012 ESC European Society of Cardiology Congress 2012, Munich (Germany) August 25-29, 2012. Title: "Genomics of arterial Thrombi".
- 2011 XI ETRO Advanced Teaching Course: Thrombosis: a multidisciplinary approach, Campobasso, Italy, September 2011, 18-23. Title: "Tissue Factor and Atherosclerosis".
- 2011 10th International Winter Meeting on Coagulation. Bormio, Italy – April 10-16, 2011. Title: "Platelet-associated Tissue Factor: still an ongoing controversy?".
- 2009 9th International Winter Meeting on Coagulation. Bormio, Italy – March 29-April 4, 2009. Title: "Platelet activation after coronary stent implantation".
- 2008 ADP 2008 - Platelet P2 Receptors: From Basic Science To Clinical Practice, Bormio, 19-21 giugno 2008. Title: "Platelets and Tissue Factor: old players for new concepts in atherothrombosis".
- 2008 8th International Winter Meeting On Coagulation. Bormio, April 6-12, 2008. Title: "Atherothrombosis, tissue factor and platelets: an update".
- 2007 Seminario presso The Medicines Company, New Jersey, USA. "Platelets and Atherotrombosis: new molecular insights". 28 Novembre 2007.
- 2006 Seventh International Winter Meeting on Coagulation, La Thuile, Italy, March 31, 2006. Title: "Platelets And Atherothrombosis: New Molecular Insights".
- 2004 Sixth International Winter Meeting on Coagulation – La Thuile, Italy, March 28th-April 3rd, 2004. Title: "Tissue Factor and Thrombosis: new concepts and clinical implications".
- 1996 Cornell University Medical College, New York, N.Y., USA: "Regulation of Tissue Factor Expression in endothelial cells: effects of growth factors and cytokines".
- 1993 Cornell University Medical College, New York, N.Y., USA: "Fibrinolytic properties of an immortalized endothelial cell line".

## INVITED ORAL LECTURES (National Meetings)

- 2018 High risk ambulatory patient. Milano, 14 Giugno 2018. Title: "Terapia anti-aggregante piastrinica: considerazioni farmacologiche".
- 2018 Il Laboratorio clinico l'aterotrombosi ed il tromboembolismo. Perugia, 30 Novembre -1 Dicembre. Title: "Le vescicole extracellulari e l'aterotrombosi"
- 2017 V Corso Nazionale di aggiornamento PIASTRINE 2017. Milano, 22 – 23 Novembre, Milano. Title: "Piastrine e aterotrombosi: nuovi aspetti molecolari e implicazioni cliniche"
- 2017 Update sui farmaci anticoagulanti orali nel paziente cardiologico. Milano, 17 Novembre 2017. Title: "Impatto degli anticoagulanti orali diretti: considerazioni sul loro meccanismo d'azione".

- 2017 Rischio Ischemico Dopo Sindrome Coronarica Acuta: Ruolo Della Terapia Anti-Aggregante Piastrinica. Milano, 24 Ottobre 2017. Title: "Antiaggreganti piastrinici: considerazioni farmacologiche".
- 2017 Novità nella terapia anticoagulante in cardiologia: considerazioni farmacologiche e cliniche. Milano, 3 Aprile 2017. Title: "Farmacologia clinica dei DOACs".
- 2017 MALATTIE EMORRAGICHE E TROMBOTICHE: prospettive 2017" (Terzo Lorenzet Memorial). Pozzilli (IS) - 12 gennaio 2017. Title: "Il Tissue Factor: la ricerca di Roberto continua a generare nuova ricerca".
- 2016 III CONGRESSO "IL LABORATORIO CLINICO, L'ATEROTROMBOSI E IL TROMBOEMBOLISMO". Perugia, 2-3 Dicembre 2016. Title: "Le interazioni piastrine coagulazione nella trombosi arteriosa".
- 2016 La Cardiopatia Ischemica nel Genere Femminile. Milano, 16 Novembre 2016. Title: "Peculiarità di genere della crisi emocoagulativa e della aggregazione piastrinica".
- 2016 XIV Congresso Nazionale SIES, Società Italiana di Ematologia Sperimentale. Rimini, 19-21 ottobre 2016. Title: "Piastrine, tissue factor e aterotrombosi: nuovi ruoli per vecchi attori".
- 2016 Workshop Ruolo delle Piastrine nei meccanismi molecolari comuni alle patologie metaboliche, cardiovascolari e neurodegenerative. Perugia, 29 Aprile 2016. Title: "Eterogeneità piastrinica: possibile ruolo nella partecipazione in senso protrombotico o proinfiammatorio alle patologie cronico-degenerative".
- 2016 Workshop Siset - Post-ISTH Meeting, Bergamo 29-30 Gennaio 2016. Title: "Biologia Vascolare".
- 2015 29° Congresso Nazionale SISA – Bologna, 22-24 Novembre 2015. Title: "Il ruolo dei meccanismi protrombotici nell'aterogenesi".
- 2015 V Corso Nazionale di aggiornamento PIASTRINE 2015 - Milano, 11-12 Novembre 2015. Title: "Piastrine e aterotrombosi: eterogeneità fenotipica e funzionale".
- 2015 37° Congresso SIF – Napoli, 27-30 Ottobre 2015. Title: "Extracellular vesicles as biomarkers in coronary artery diseases".
- 2015 Convegno Regionale SISA Lombardia, XIV Giornata Studio – Milano, 16 Ottobre 2015. Title: "Piastrine, Tissue Factor e aterotrombosi: "nuovi" ruoli per "vecchi" attori".
- 2015 V Congresso Abruzzo Spring Meeting on Haemostasis and Thrombosis – Chieti, 18-19 Settembre 2015. Title: "Tissue factor, piastrine e malattia cardiovascolare".
- 2014 75° Congresso Nazionale SIC - Roma, 13-15 Dicembre 2014. Title: "Microparticelle circolanti: un nuovo biomarcatore nella malattia coronarica".
- 2014 XXIII Congresso Nazionale Siset – Milano, 6-9 Novembre 2014. Title: "Platelet heterogeneity: pathophysiologic and clinical implications".
- 2014 IV Congresso Abruzzo Spring Meeting on Haemostasis and Thrombosis – Chieti, 28-29 maggio 2014. Title: "Tissue Factor e aterotrombosi: il contributo dell'asse megacariocitario-piastrinico".
- 2014 XVI Corso di Aggiornamento TERAPIE ANTITROMBOTICHE IN CARDIOLOGIA- Firenze, 16-17 maggio 2014. Title: "La biologia del fattore tissutale".
- 2013 74° Congresso Nazionale SIC - Roma, 14-16 Dicembre 2013. Title: "Fattore Tessutale e piastrine".
- 2013 Quarto Corso Nazionale PIASTRINE 2013 - Milano, 14-16 Novembre 2013. Title: "Piastrine e aterotrombosi: eterogeneità fenotipica e funzionale".
- 2013 La Cardiopatia Ischemica nel Terzo Millennio, Ila edizione: dalla pratica clinica alla medicina basata sulle evidenze. – Milano, 18 ottobre 2013. Title: "Piastrine, biomarkers e presentazione clinica".
- 2013 III Congresso Abruzzo Spring Meeting on Haemostasis and Thrombosis – Chieti, 31 Maggio-1 Giugno 2013. Title: "Interplay tra coagulazione e piastrine".
- 2012 XXII Congresso Nazionale Siset - Vicenza, 4-6 Ottobre 2012. Title: "La gestione dei nuovi farmaci anticoagulanti e antiaggreganti".
- 2012 Convegno Stent coronarici, chirurgia non programmata e terapia antiaggregante piastrinica – Milano, 13 Marzo 2012. Title: "L'inibizione piastrinica dopo stenting coronarico: dipende anche dal tipo di stent?".
- 2011 72° Congresso Nazionale SIC - Roma, 10-12 Dicembre 2011. Title: "Piastrine, Tissue Factor e aterotrombosi: aspetti molecolari e implicazioni cliniche".
- 2011 Simposio congiunto Siset e Università di Napoli "Federico II": "Patologie dell'emostasi"-

- Napoli, 1-2 Dicembre 2011. Title: "Fattore tissutale: tra trombosi ed aterosclerosi".
- 2011 Corso Nazionale della Società Italiana per lo Studio dell'Emostasi e della Trombosi, Milano - 27-28 Ottobre 2011. Title: "Attività procoagulante piastrinica".
- 2011 Il Congresso Attivazione ed Inibizione Piastrinica Nell'aterotrombosi - Chieti, 27-28 Maggio 2011. Title: "Attivazione Piastrinica e Sindromi Coronariche Acute: Piastrine, coagulazione e malattia cardiovascolare".
- 2011 Terzo Corso Nazionale PIASTRINE 2011 - Milano, 12-14 Maggio 2011. Title: "Piastrine, fattore tissutale e aterotrombosi: nuovi aspetti molecolari e implicazioni cliniche".
- 2011 IX° Corso Nazionale Congiunto di Ultrasonologia Vascolare, Diagnosi E Terapia - Bertinoro (FC) 30 marzo-2 aprile 2011. Title: "Nuove acquisizioni sull'aterosclerosi: placca vulnerabile".
- 2010 71° Congresso Società Italiana di Cardiologia - Roma, 1-13 Dicembre 2010. "Tissue Factor Piastrinico: ruolo nella trombosi arteriosa".
- 2010 Convegno Humanitas-Gavazzeni: Le arteriopatie obliteranti periferiche: ieri, oggi, domani - Bergamo, 12 Giugno 2010. Title: "Eziopatogenesi e fisiopatologia delle arteriopatie obliteranti periferiche e loro correlazioni con le manifestazioni aterosclerotiche sistemiche".
- 2010 Convegno Attivazione ed Inibizione Piastrinica nell'aterotrombosi - Chieti, 28-29 Maggio 2010. Title: "Attivazione Piastrinica e Infiammazione: Piastrine e Fattore Tissutale".
- 2009 Convegno Humanitas-Gavazzeni: La stenosi carotidea extracranica e gli eventi cerebrovascolari: diagnosi e terapia oggi - Bergamo, 6 Giugno 2009. Title: "L'aterosclerosi carotidea: aspetti di eziopatogenesi e fisiopatologia".
- 2008 XX Congresso della Società Italiana per lo Studio dell'Emostasi e della Trombosi, Firenze, 25-28 Settembre, 2008. Title: "Piastrine e Tissue Factor".
- 2008 CONVEGNO REGIONALE SIAPAV: Gli aneurismi dell'aorta addominale sottorenale oggi: quando, come, chi - Bergamo, 23 Febbraio 2008. Title: "Aneurismi dell'aorta addominale sottorenale: Ruolo delle metalloproteasi della parete aortica".
- 2007 Corso Nazionale PIASTRINE 2007 - L'Aquila, 15-16 Giugno 2007. Title: "Ruolo delle piastrine nell'aterotrombosi".

## INVITED Seminars

- 1992 Inst. of Pharmacological Sciences, Faculty of Pharmacy, University of Milan: "Lipoproteine aterogene e danno endoteliale".
- 1993 Cornell University Medical College, New York, N.Y., USA: "Fibrinolytic properties of an immortalized endothelial cell line".
- 1994 Inst. of Pharmacological Sciences, Faculty of Pharmacy, University of Milan "Espressione di proteine del sistema fibrinolitico in una linea di cellule endoteliali immortalizzate".
- 1996 Cornell University Medical College, New York, N.Y., USA: "Regulation of Tissue Factor Expression in endothelial cells: effects of growth factors and cytokines".
- 1996 San Carlo Hospital, Milan - Aggiornamenti in tema di Aterosclerosi e Trombosi Arteriosa: "Modulazione della funzione endoteliale da parte di fattori di crescita e citochine".
- 1997 Inst. of Pharmacological Sciences, Faculty of Pharmacy, University of Milan: "Espressione e modulazione del Tissue Factor in cellule endoteliali umane".
- 1997 Course: "L'Endotelio: dalla fisiologia alla pratica clinica" - Porto Conte, October 3-4, 1997 - "Fattori di rischio cardiovascolare ed endotelio".
- 1998 Seminars in Clinical Immunology – IRCCS Policlinico, Via F. Sforza, 35- Milan. Atherosclerosis & Autoimmunity day – "Endothelial activation and Atherosclerosis". June 12, 1998.
- 2001 School of Specialization in Internal Medicine, IRCCS Policlinico, Via F. Sforza, 35- Milan: Workshop on "Aterotrombosi e Infiammazione: Ruolo della statine" - "Effetti pleiotropici antiaterogenici e antitrombotici delle statine". May 2, 2001;.
- 2003 Inst. of Pharmacological Sciences, Faculty of Pharmacy, University of Milan: "Tissue Factor e Trombosi: nuove conoscenze fisiopatologiche ed implicazioni cliniche".
- 2005 Dept. Of Biochemistry and Molecular Biology, Faculty of Sciences, University of Ferrara: "Tissue factor e piastrine: fisiopatologia ed implicazioni cliniche". April 19, 2005.
- 2007 The Medicines Company, New Jersey, USA. "Platelets and Atherotrombosis: new molecular insights". November 28, 2007.

- 2008 Azienda Ospedaliera Niguarda Ca' Granda, Milan, "Platelets, Tissue Factor and Atherothrombosis: new molecular insights", April 23, 2008.
- 2008 Giornata di Aggiornamento in Medicina di Laboratorio "Nuove opportunità diagnostiche in coagulazione ed emostasi", Tromboelastometria ed ipercoagulazione, Multimedia, Milan, June 7, 2008.
- 2009 Dipartimento Universitario di Medicina e Scienze dell'Invecchiamento, Università degli Studi "G. d'Annunzio" Chieti. Title: "Piastrine, tissue factor e aterotrombosi: nuovi aspetti cellulari e molecolari. Chieti, February 13, 2009.
- 2009 Istituto Europeo di Oncologia nell'ambito degli "Incontri di Cardiologia Clinica". Title: "Piastrine, Tissue Factor e trombosi: nuove evidenze ed implicazioni cliniche". Milan, May 20, 2009.
- 2010 Inst. of Pharmacological Sciences, Faculty of Pharmacy, University of Milan: "Piastrine, tissue factor e aterotrombosi: nuovi aspetti molecolari e implicazioni cliniche". Milan, September 24, 2010.
- 2011 PhD Program in Biotecnologie applicate alle Scienze Mediche, Università degli Studi di Milano: "Platelets, inflammation and Atherothrombosis". Milan, May 23, 2011.
- 2013 Seminari Interni della Ricerca – Centro Cardiologico Monzino IRCCS. Milan, December 17, 2013. Title: "Unravelling the issue of platelet-associated TF: the time to deny the evidence is over".
- 2015 www.ricercamonzino.it - Centro Cardiologico Monzino IRCCS. Milan, February 27-28, 2015. Title: "Platelet activation and Tissue Factor expression in CAD".
- 2017 www.ricercamonzino.it - Centro Cardiologico Monzino IRCCS. Milan, 9 Marzo 2017- Title: "Thrombotic risk stratification: insights from "omics".
- 2018 www.ricercamonzino.it - Centro Cardiologico Monzino IRCCS. Milan, 9 Marzo 2018- Title: "In searching for hidden platelet modulators: the role of PCSK9".
- 2018 SCUOLA DI SPECIALIZZAZIONE IN MALATTIE CARDIOVASCOLARI, UNIVERSITA' DI PISA- Pisa, 22 Giugno 2018. Title: "Piastrine, Tissue Factor e aterotrombosi: aspetti molecolari e implicazioni cliniche".

#### Competenze organizzative e gestionali

Head, Unit of Cellular and Molecular Biology in Cardiovascular Disease  
 Centro Cardiologico Monzino IRCCS  
 Via Parea, 4, 20138 Milan

#### Meeting Organization

- 1991 Organizer, ASFA Course "Arterial Thrombosis: eicosanoids and cell activation", Milano, 16-17 Settembre 1991.
- 1998-2001 Organizer, Seminar Program at the Dept. Of Pharmacological Sciences, Faculty of Pharmacy, University of Milan, Via Balzaretti, 9, Milan.
- 1999 Member of the Scientific Advisory Board of "Arterial Thrombosis and its prevention – International Course" dell'International Atherosclerosis Society, Lugano, 9-11 Settembre 1999.
- 1999 Member of the Scientific Advisory Board of "I° Corso di qualificazione per Farmacisti dell'Azienda Municipale di Milano" presso l'Istituto di Scienze Farmacologiche, Università di Milano, Via Balzaretti, 9 - Milano, Giugno-Settembre 1999.
- 2000 Member of the Scientific Advisory Board of Cerimonia per il Conferimento delle Lauree Honoris Causa della Facoltà di Farmacia, Università degli Studi di Milano – Milano, 25 Gennaio 2000.
- 2000 Member of the Scientific Advisory Board of "II° Corso di qualificazione per Farmacisti dell'Azienda Municipale di Milano" presso l'Istituto di Scienze Farmacologiche, Università di Milano, Via Balzaretti, 9 - Milano, Giugno-Settembre 2000.

- 2002 Member of the Scientific Advisory Board of 6th International Symposium on Global Risk of Coronary Heart Disease and Stroke. Florence, June 12-15, 2002.
- 2004 Member of the Scientific Advisory Board of XV International Symposium on Drug Affecting Lipid Metabolism, Venice, October 24-27, 2004.
- 2006 Member of the Scientific Advisory Board of XIV ISA Satellite Symposium, Novel Insights in Atherothrombosis: from Pathophysiology to Therapy, Milan, Italy - June 16-17, 2006.
- 2011 Member of the Scientific Advisory Board of Corso Nazionale della Società Italiana per lo Studio dell'Emostasi e della Trombosi. Milano, 27-28 Ottobre 2011.
- 2011 Member of the Scientific Advisory Board V Convegno Monotematico della SIF. "Aterotrombosi: Dalla Ricerca Di Base Alla Clinica". Milano, 3-4 novembre 2011.
- 2012 Member of the Scientific Advisory Board of XXII Congresso Nazionale Siset. Vicenza, 4-6 Ottobre 2012.
- 2015 Organizer of Simposio "Circulating Extracellular Vesicles: cellular mediators, biomarkers and therapeutic tools" all'interno del 37° Congresso SIF – Naples, October 27-30, 2015.
- 2017 Organizer and Chair of the XVIII GSP (Gruppo Studio Piastrine) Meeting, 1-3 October, 2017, Milan, Italy.

#### Competenze professionali

#### **Research Interests**

Prof. Camera's research activity is focused on Cardiovascular Pharmacology. Taking advantage from *in vitro* culture of human and animal cells (endothelial cells, smooth muscle cells, monocytes/macrophages, megacaryocytes and platelets) and animal models (rabbits, mice, rats) and clinical trials in patients with cardiovascular disease, and using approaches ranging from cellular to molecular biology, the research carried out has deepened several topics closely related to the pharmacological modulation of the thrombotic complications of atherothrombosis. Within this context, a major research topic faced by Prof. Camera since the beginning of her career is aimed at evaluating the modulation of Tissue Factor expression by drugs such as statins, ACE inhibitors, anti-platelet agents, etc. Tissue Factor is indeed the key protein in the activation of the blood coagulation cascade and it is responsible, together with platelets, for the thrombotic complications related to the coronary syndrome, whether it is "primary" or "secondary" to interventional cardiology procedures (coronary and carotid stents), and cardiac surgery (aortic coronary bypass, aortic aneurysms).

A significant contribution of Prof. Camera in this specific research field has been the identification – never described before- of tissue factor expression by circulating human platelets isolated from both healthy volunteers and patients with cardiovascular disease. The capacity of platelets to express Tissue Factor, and to synthesize it from its specific mRNA, confers to these cells, in contrast to what was the knowledge until 20 years ago, the ability, upon stimulation, to actively regulate the propagation of the coagulation. The presence of Tissue Factor in platelets, indeed, makes these cells able, by one hand, to promote the formation of the fibrin needed in order to stabilize the thrombus, and on the other hand to support the coagulation process in places other than the atherosclerotic lesions. By exploiting genomic and proteomic analysis, other issues addressed by Prof. Camera relate both to the identification of molecular mechanisms responsible for variability in response to pharmacological treatment between patient (pharmacogenetic) as well as to the identification of biomarkers to be used to optimize the pharmacological treatment of atherothrombotic disease. Recently, it has become apparent how genetic factors can deeply affect the response to a pharmacological treatment and, within the cardiovascular diseases, the "resistance" to antiplatelet agents is a big issue. For this reason, by exploiting genomic analysis, it is possible to better characterize the gene profile of patients with cardiovascular disease and to correlate that profile with platelet and protein expression studies involved in the activation processes of these cells. The identification of genes and proteins whose expression is altered in circulating cells, tissues and biological fluids of patients with coronary artery disease, both pharmacologically treated and subjected to angioplasty or coronary artery bypass, would allow to identify new pathogenic mechanisms as well as new biomarkers that reflect the different components of atherothrombosis, that is, inflammatory, thrombogenic, oxidative stress and

repair capacity, so that they can predict the disease at a early stage, the evolution of the disease or the risk of clinical events. The identification of biomarkers would also be of great benefit in order to optimize the pharmacological therapy of atherothrombotic disease (personalized therapy).

**Patents**

“Method to analyze RNA”. Priority application number: 102016000064945 June 2016; International application number: PCT/IB2017/053733 June 2017).

**Awards for the scientific activity**

2015 Best Poster Award – XXV Congress of the International Society on Thrombosis and Haemostasis, ISTH 2015, Toronto, Canada.

2010 Best Poster Award for the paper "Platelet activation profile in patients who underwent carotid versus coronary stent revascularization" - Camera M, Montorsi P, Tirloni E, Trabattoni D, Brambilla M, Ghulam Ali S, Canzano P, Bartorelli A, Tremoli E - 21st International Congress on Thrombosis, Milan, Italy.

2001 Investigator Award for the paper "Atorvastatin and thrombogenicity of carotid atherosclerotic plaque: the ATROCAP Study" - Camera M, Cofrancesco E, Arbustini E, Rossi F, Mussoni L, Tremoli E, Cortellaro M, for the ATROCAP Study Group - XIV International Symposium on Drugs Affecting Lipid Metabolism, New York , USA.

2000 Best Oral Presentation for the paper "Fluvastatin reduces aortic tissue factor expression in cholesterol-fed rabbits" - Camera M, Del Rosso S, Gabrielli B, Rossi F, Tremoli E. –XVI Congresso Nazionale SISET, Milan, Italy.

ULTERIORI INFORMAZIONI

PUBLICATIONS in Peer-Reviewed Journals

1. Atherogenic lipoproteins and PAI-1 release by endothelial cells.  
Mussoni L, Maderna P, **Camera M**, Bemini F, Sironi L, Sirtori M, Tremoli E.  
Fibrinolysis 1990; 4: 79-81. I.F. = 2.512
2. Hypertriglyceridemia and regulation of fibrinolytic activity.  
Mussoni L, Mannucci L, Sirtori M, **Camera M**, Maderna P, Sironi L, Tremoli E.  
Arteriosclerosis and Thrombosis 1992; 12: 19-27. I.F. = 5.158
3. Increased synthesis of plasminogen activator inhibitor-1 by cultured human endothelial cells exposed to native and modified low density lipoproteins. A LDL receptor independent phenomenon.  
Tremoli E, **Camera M**, Maderna P, Sironi L, Prati L, Colli S, Bemini F, Corsini A, Mussoni L.  
Arteriosclerosis and Thrombosis 1993; 13: 338-346. I.F. = 5.331
4. Functionally abnormal monocytes in hypercholesterolemia.  
Stragliotto E, **Camera M**, Di Minno G, Postiglione A, Sirtori M, Tremoli E.



- Arteriosclerosis and Thrombosis 1993; 13: 944-950. I.F. = 5.331
5. Effect of atherogenic lipoproteins on PAI-1 synthesis by endothelial cells.  
**Camera M**, Mussoni L, Maderna P, Sironi L, Prati L, Colli S, Bernini F, Corsini A, Tremoli E.  
Cytotechnology; 1993, 11 (suppl.1): 144-146 I.F. = 0.738
6. Plasminogen Activator Inhibitor Type-1 Synthesis and mRNA expression in HepG2 cells are Regulated by VLDL.  
Sironi L, Mussoni L, Prati L, Baldassarre D, **Camera M**, Banfi C, Tremoli E.  
Arterioscler. Thromb. Vasc. Biol. 1996; 16: 89-96 I.F. = 5.102
7. Vastatin inhibit Tissue Factor in cultured human macrophages: a novel mechanism of protection against atherothrombosis.  
Colli S., Eligini S., Lalli M., **Camera M.**, Paoletti R. and Tremoli E.  
Arterioscler. Thromb. Vasc. Biol. 1997; 17: 265-272. I.F. = 5.317
8. Profibrinolytic properties characterize a stably transformed human endothelial cell line.  
**Camera M**, Hajjar KA, Pan S, Szabo P, Vicart P, Paulin D, Weksler BB.  
Blood Coagul Fibrin. 1998; 9:153-165. I.F. = 1.375
9. Cooperation between VEGF and TNFalfa is necessary for exposure of active Tissue Factor on the surface of human endothelial cells.  
**Camera M**, Giesen P, Fallon J, Taubman M, Tremoli E and Nemerson Y.  
Arterioscler. Thromb. Vasc. Biol. 1999; 19: 531-537. I.F. = 5.406
10. Tissue Factor in Atherosclerosis.  
Tremoli E, **Camera M**, Colli S.  
Atherosclerosis 1999; 144: 273-283. I.F. = 2.877
11. Angiotensin Converting Enzyme Inhibitors downregulate Tissue Factor synthesis in monocytes.  
Napoleone E, Di Santo A, **Camera M**, Tremoli E and Lorenzet R.  
Circulation Research 2000; 86:139-143. I.F. = 9.193
12. Endothelial activation by aPL: a potential pathogenic mechanism for the clinical manifestations of the syndrome.  
Meroni PL, Raschi E, **Camera M**, Testoni C, Nicoletti F, Tincani A, Khamashta MA, Balestrieri G, Tremoli E, Hess DC.  
J Autoimmunity 2000; 15 (2): 237-240.  
I.F. = 2.176
13. Systemic cause of unstable atherosclerotic plaques. Atorvastatin and Thrombogenicity of Carotid Atherosclerotic Plaque (ATROCAP) study group.  
Cortellaro M, Cofrancesco E, Arbustini E, Gabrielli L, Tremoli E.  
Lancet. 2000 Apr 15;355(9212):1362-3 I.F. = 10.232

14. Statins prevent endothelial cell activation induced by anti-phospholipid (anti- $\beta$ 2 glycoprotein I) antibodies: effect on the pro-adhesive and pro-inflammatory phenotype.  
Meroni PL, Raschi E, Testoni C, Tincani A, Balestrieri G, Khamashta MA, Tremoli E, **Camera M**.  
Arthritis and Rheumatism 2001; 44 (12): 2870-8. I.F. = 7.389
15. Inhibition of cholesterol biosynthesis as a new antithrombotic strategy.  
Tremoli E, Colli S, **Camera M**, Banfi C, Mussoni L.  
Haematologica. 2001 Nov;86(11 Suppl 2):35. Review. I.F. = 3.216
16. Cholesterol-induced thrombogenicity of the vessel wall: inhibitory effect of fluvastatin.  
**Camera M**, Toschi V, Comparato C, Baetta R, Rossi F, Fuortes M, Ezekowitz MD, Paoletti R, Tremoli E.  
Thrombosis and Haemostasis 2002; 87 (4):748-755. I.F. = 4.357
17. Fluvastatin reduces TF expression and macrophage accumulation in carotid lesions of cholesterol-fed rabbits in the absence of lipid lowering.  
Baetta R,\* **Camera M\***, Comparato C, Altana C, Ezekowitz MD, Tremoli E.  
Artheroscl Thromb and Vasc Biol 2002; 22:692-698. I.F. = 6.35  
**\* Camera e Baetta hanno contribuito in ugual misura al lavoro.**
18. Atorvastatin and thrombogenicity of carotid atherosclerotic plaque: the atrocap study.  
M. Cortellaro, E. Cofrancesco, E. Arbustini, F. Rossi, A. Negri, E. Tremoli, R. Chiesa, S. Costantini, L. Gabrielli, R. Mattassi, A. Odero, G.D. Tealdi, **Camera M**.  
Thrombosis and Haemostasis 2002;88:41-47. I.F.= 4.357
19. Oxidized phospholipids inhibit cicloxygenase-2 in human macrophages via nuclear factor- $\kappa$ B/I $\kappa$ B.  
S. Eligini, M.Brambilla, C. Banfi, **Camera M**, L.Sironi, SS Barbieri, J. Auwerx, E. Tremoli, S. Colli  
Cardiovascular Research 2002; 55:406-415. I.F.= 4.692
20. 15-Deoxy-delta12,14-prostaglandin J2 inhibits tissue factor expression in human macrophages and endothelial cells: evidence for ERK1/2 signaling pathway blockade.  
S. Eligini, C. Banfi, M. Brambilla, **Camera M**, S.S. Barbieri, F. Poma, E. Tremoli, S. Colli  
Thrombosis and Haemostasis 2002; 88:524-532. I.F.= 4.357
21. Vascular Thrombogenicity induced by progressive LDL oxidation: protection by antioxidants.  
Banfi C\*, **Camera M\***, Giandomenico G, Toschi V, Arpaia M, Mussoni L, Tremoli E, Colli S.  
Thrombosis and Haemostasis 2003; 89:544-553. I.F.= 4.950  
**\* Camera e Banfi hanno contribuito in ugual misura al lavoro.**
22. Platelet activation induces cell surface immunoreactive Tissue Factor (irTF) expression which is differently modulated by antiplatelet drugs.  
**Camera M**, Frigerio M, Toschi V, Brambilla M, Rossi F, Cottell D, Maderna P, Parolari A, Bonzi R, De Vincenti O, Tremoli E.  
Artheroscl Thromb and Vasc Biol 2003;23:1690-1696. I.F.= 6.791
23. Statin in coronary Bypass surgery: rationale and clinical use.  
Werba JP, Tremoli E, Massironi P, **Camera M**, Cannata A, Alamanni F, Biglioli P, Parolari A.

Ann Thorac Surg 2003; 76: 2132-40.  
2.041

I.F. =

24. Synthesis of long-chain polyunsaturated fatty acids is inhibited in vivo in hypercholesterolemic rabbits and in vitro by oxysterols.

Risé P, **Camera M**, Caruso D, Ghezzi S, Visioli F and Galli C.

Prostaglandins, Leukotrienes and Essential Fatty Acids 2004;71 (2): 79-86.

I.F.= 1.743

25. Diversity and similarity in signaling events leading to rapid COX-2 induction by tumor necrosis factor alpha and phorbol ester in human endothelial cells.

S. Eligini, SS. Barbieri, V. Cavalca, **Camera M**, M. Brambilla, M. De Franceschi, E. Tremoli, S. Colli.

Cardiovascular Research 2005;65(3):683-93

5.283

I.F.=

26. An increased prothrombotic state lasting as long as one month after on-pump and off-pump coronary surgery.

A. Parolari, L. Mussoni, M. Frigerio, M. Naliato, F. Alamanni, A. Galanti, G. Fiore, F. Veglia, E. Tremoli, P. Biglioli, **Camera M**

Journal of Thoracic and Cardiovascular Surgery 2005; 130:303-308.

I.F.=3.727

27. Opposite changes of ADAMTS-13 and von Willebrand factor after cardiac surgery.

PM. Mannucci, A. Parolari, M.T. Canciani, F. Alamanni, **Camera M**

Journal of Thrombosis and Haemostasis 2005; 3: 397-9.

I.F.= 5.262

28. The role of tissue factor and P-selectin in the procoagulant response that occurs in the first month after on-pump and off-pump coronary artery bypass grafting.

Parolari A, Mussoni L, Frigerio M, Naliato M, Alamanni F, Polvani GL, Agrifoglio M, Veglia F, Tremoli E, Biglioli P, **Camera M**.

J Thorac Cardiovasc Surg. 2005 Dec;130(6):1561-6.

3.727

I.F.=

29. Human polymorphonuclear leukocytes produce and express functional tissue factor upon stimulation.

Maugeri N, Brambilla M, **Camera M**, Carbone A, Tremoli E, Donati MB, de Gaetano G, Cerletti C.

J Thromb Haemost. 2006;4(6):1323-30.

5.138

I.F.=

30. Distinct roles for PAR1- and PAR2-mediated vasomotor modulation in human arterial and venous conduits.

Ballerio R, Brambilla M, Colnago D, Parolari A, Agrifoglio M, **Camera M**, Tremoli E, Mussoni L.

J Thromb Haemost. 2007 Jan;5(1):174-80.

5.947

I.F.=

31. Systemic inflammation after on-pump and off-pump coronary bypass surgery: a one-month follow-up.

Parolari A, **Camera M**, Alamanni F, Naliato M, Polvani GL, Agrifoglio M, Brambilla M, Biancardi C, Mussoni L, Biglioli P, Tremoli E.

Ann Thorac Surg. 2007 Sep;84(3):823-8.

I.F.= 2.022

32. Parallel decrease of tissue factor surface exposure and increase of tissue factor microparticle release by the n-3 fatty acid docosahexaenoate in endothelial cell. Del Turco S, Basta G, Lazzarini G, Evangelista M, Rainaldi G, Tanganelli P, **Camera M**, Tremoli E, De Caterina R.

Thromb Haemost. 2007 Jul;98(1):210-9.  
I.F.= 3.501

33. Rosuvastatin displays anti-atherothrombotic and anti-inflammatory properties in apoE-deficient mice.

Monetti M, Canavesi M, **Camera M**, Parente R, Paoletti R, Tremoli E, Corsini A, Bellostà S.  
Pharmacol Res. 2007 May;55(5):441-9.  
I.F.= 1.895

34. E-selectin and TFPI are associated with carotid intima-media thickness in stable IHD patients: The baseline findings of the MIAMI study.

Porta B, Baldassarre D, **Camera M**, Amato M, Arquati M, Brusoni, Fiorentini C, Montorsi P, Romano S, Tremoli E, Cortellaro M on behalf of the MIAMI Study Group  
Nutrition, Metabolism & Cardiovascular Diseases 2008 May;18(4):320-8.

I.F.= 3.565

35. Patients with a history of stable or unstable coronary heart disease have different acute phase responses to an inflammatory stimulus.

Werba JP, Veglia F, Amato M, Baldassarre D, Massironi P, Meroni PL, Riboldi P, Tremoli E, **Camera M**.  
Atherosclerosis. 2008 Feb;196(2):835-40. I.F.=  
4.601

36. Tissue Factor in patients with acute coronary syndromes: expression in platelets, leukocytes and platelet-leukocyte aggregates.

Brambilla M\*, **Camera M\***, Colnago D, Marenzi GC, De Metrio M, Giesen PL, Balduini A, Veglia F, Gertow K, Biglioli P, Tremoli E.  
Artheroscl Thromb and Vasc Biol 2008 May;28(5):947-53. I.F.= 6.858  
**\* Brambilla e Camera hanno contribuito in ugual misura al lavoro.**

37. 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 Cardiothorac Surg. 2009 Mar;35(3):493-504. Review. I.F.= 2.181

38. Markers of inflammation, thrombosis and endothelial activation correlate with carotid IMT regression in stable coronary disease after atorvastatin treatment.

Baldassarre D, Porta B, **Camera M**, Amato M, Arquati M, Brusoni B, Fiorentini C, Montorsi P, Romano S, Veglia F, Tremoli E, Cortellaro M; MIAMI Study Group.  
Nutr Metab Cardiovasc Dis. 2009 Sep;19(7):481-90. I.F.=  
3.565

39. Tissue factor gene promoter haplotype associates with carotid intima-media thickness in subjects in cardiovascular risk prevention.

Gertow K, Amato M, Werba JP, Bianchi E, Colnago D, Brambilla M, Ravani A, Veglia F, Baldassarre D, **Camera M**, Tremoli E.  
Atherosclerosis. 2009; 207(1):168-73. I.F.=

4.601

40. Fibrillar Collagen Inhibits Cholesterol Biosynthesis in Human Aortic Smooth Muscle Cells  
 Ferri N, Roncalli E, Arnaboldi L, Fenu S, Andrukhova O, Aharinejad S, **Camera M**, Tremoli E, Corsini A.

Arterioscler Thromb Vasc Biol. 2009 Oct;29(10):1631-7. I.F.= 6.858

41. Effect of two doses of aspirin on thromboxane biosynthesis and platelet function in patients undergoing coronary surgery

Brambilla M, Parolari A, **Camera M**, Colli S, Eligini S, Centenaro C, Anselmo A, Alamanni F, Tremoli E.

Thrombosis and Haemostasis 2010 Mar;103(3):516-24. I.F.= 3.803

42. The proteome of platelets in patients with coronary artery disease

Banfi C, Brioschi M, Marenzi G, De Metrio M, **Camera M**, Mussoni L, Tremoli E.

Exp Hematol. 2010 May;38(5):341-50. I.F.= 3.106

43. Tissue factor expression on platelets is a dynamic event.

**Camera M**, Brambilla M, Toschi V, Tremoli E.

Blood. 2010 Dec 2;116(23):5076-7. I.F.= 10.555

44. Gene expression profiling reveals multiple differences in platelets from patients with stable angina or non-ST elevation acute coronary syndrome

Colombo G, Gertow K, Marenzi G, Brambilla M, De Metrio M, Tremoli E, **Camera M**.

Thromb Res. 2011 Aug;128(2):161-8. I.F.=2.406

45. Rosuvastatin does not affect human apolipoprotein a-i expression in genetically modified mice: a clue to the disputed effect of statins on HDL.

Marchesi M, Parolini C, Caligari S, Gilio D, Manzini S, Busnelli M, Cinquanta P, **Camera M**, Brambilla M, Sirtori CR, Chiesa G.

Br J Pharmacol 2011 Nov;164(5):1460-8. I.F.= 4.409

46. Overcoming limitations of current antiplatelet drugs: A concerted effort for more profitable strategies of intervention.

Di Minno MN, Guida A, **Camera M**, Colli S, Minno GD, Tremoli E.

Ann Med. 2011 Nov;43(7):531-44. I.F.= 3.516

47. New Anti-Thrombotic Drugs for Stroke Prevention

Di Minno MN, Russolillo A, **Camera M**, Brambilla M, De Gregorio A, Tremoli E, Di Minno G.

Curr Vasc Pharmacol. 2011;9:723-732. I.F.= 2.896

48. Tissue Factor and Atherosclerosis: Not only vessel wall-derived TF, but also platelet-associated TF. **Camera M**, Brambilla M, Facchinetti L, Canzano P, Spirito R, Rossetti L, Saccu C, Di Minno MN, Tremoli E.

Thromb Res. 2012 Mar;129(3):279-84. I.F.= 3.133

49. Transcriptional regulation of the human FPR2/ALX gene: evidence of a heritable genetic

variant that impairs promoter activity.

Simiele F, Recchiuti A, Mattoscio D, De Luca A, Cianci E, Franchi S, Gatta V, Parolari A, Werba JP, **Camera M**, Favalaro B, Romano M..

*FASEB J.* 2012 Mar;26(3):1323-33.  
5.704

I.F.=

50. Functionally active platelets do express tissue factor.

**Camera M**, Brambilla M, Boselli D, Facchinetti L, Canzano P, Rossetti L, Toschi V, and Tremoli E.

*Blood* 2012 119:4339-4341.  
9.060

I.F.=

51. Chemotactic effect of prorenin on human aortic smooth muscle cells: a novel function of the (pro)renin receptor.

Greco CM, **Camera M**, Facchinetti L, Brambilla M, Pellegrino S, Gelmi ML,  
Tremoli E, Corsini A, Ferri N.

*Cardiovasc Res.* 2012 Aug 1;95(3):366-74.

I.F.= 5.940

52. An intense and short-lasting burst of neutrophil activation differentiates early acute myocardial infarction from systemic inflammatory syndromes.

Maugeri N, Rovere-Querini P, Evangelista V, Godino C, Demetrio M, Baldini M, Figini F, Coppi G, Slavich M, **Camera M**, Bartorelli A, Marenzi G, Campana L, Baldissera E, Sabbadini MG, Cianflone D, Tremoli E, D'Angelo A, Manfredi AA, Maseri A.

*PLoS One.* 2012;7(6):e39484.

I.F.= 3.730

53. Eicosanoids and Their Drugs in Cardiovascular Diseases: Focus on Atherosclerosis and Stroke.

Capra V, Bäck M, Barbieri SS, **Camera M**, Tremoli E, Rovati GE.

*Med Res Rev.* 2013 Mar;33(2):364-438.  
8.131

I.F.=

54. Direct anticoagulant drugs to overcome limitations of vitamin K antagonists. A critical appraisal of data in atrial fibrillation patients.

Di Minno MN, Russolillo A, Di Minno A, **Camera M**, Parolari A, Tremoli E.

*Expert Opin Emerg Drugs.* 2013 Mar;18(1):9-23.

I.F.= 3,284

55. Early stent thrombosis after superficial femoral artery stenting successfully treated with transcatheter rheolytic thrombectomy in a patient with reduced aspirin responsiveness.

Trabattoni D, Fabbiochi F, **Camera M**, Bartorelli AL.

*Journal of Cardiology Cases* 2014; 9:196-199.

56. Vitamin D plasma levels and in-hospital and 1-year outcomes in acute coronary syndromes: a prospective study.

De Metrio M, Milazzo V, Rubino M, Cabiati A, Moltrasio M, Marana I, Campodonico J, Cosentino N, Veglia F, Bonomi A, **Camera M**, Tremoli E, Marenzi G.

*Medicine* 2015; 94(19):e857.  
4,256

I.F.=

57. Human megakaryocytes confer tissue factor to a subset of shed platelets to stimulate thrombin generation.

Brambilla M, Facchinetti L, Canzano P, Rossetti L, Ferri N, Balduini A,

Abbonante V, Boselli D, De Marco L, Di Minno MN, Toschi V, Corsini A, Tremoli E,

**Camera M.**

Thromb Haemost. 2015 Aug 31;114(3):579-92. I.F.=  
4.984

58. The role of tissue factor in atherothrombosis and coronary artery disease: insights into platelet tissue factor.

**Camera M**, Toschi V, Brambilla M, Lettino M, Rossetti L, Canzano P, Di Minno A, Tremoli E.

Seminars in Thrombosis and Hemostasis 2015 Oct;41(7):737-46. I.F.= 3.876

59. Anti-TNF $\alpha$  agents curb platelet thrombo-inflammation in patients with rheumatoid arthritis.

Manfredi AA, Baldini M, **Camera M**, Baldissera E, Brambilla M, Peretti G, Maseri A, Rovere-Querini P, Tremoli E, Sabbadini MG and Maugeri N.

Ann Rheum Dis. 2016 Aug;75(8):1511-20. doi: 10.1136/annrheumdis-2015-208442.

I.F.= 10.377

60. ACE-Inhibition Benefit on Lung Function in Heart Failure is Modulated by ACE Insertion/Deletion Polymorphism.

Contini M, Compagnino E, Cattadori G, Magri D, **Camera M**, Apostolo A, Farina S, Palermo P, Gertow K, Tremoli E, Fiorentini C, Agostoni PG.

Cardiovasc Drugs Ther. 2016 Apr;30(2):159-68.

I.F.= 3.189

61. Standardization of microparticle enumeration across different flow cytometry platforms: results of a multicenter collaborative workshop.

S. COINTE,\* † C. JUDICONE, † ‡ S. ROBERT,\* M. J. MOOBERRY, § P. PONCELET, ‡ M. WAUBEN, R. NIEUWLAND,N. S. KEY, F. DIGNAT-GEORGE and R. L A C R O I X on behalf of the ISTH SSC Workshop

J Thromb Haemost 2017; 15: 187–93.

I.F.= 5,287

62. D-dimer is associated with arterial and venous coronary artery bypass graft occlusion.

Parolari A, Cavallotti L, Andreini D, Myasoedova V, Banfi C, **Camera M**, Poggio P, Barili F, Pontone G, Mussoni L, Centenaro C, Alamanni F, Tremoli E

J Thorac Cardiovasc Surg. 2018 Jan;155(1):200-207.

I.F.= 2,260

63. On-pump Cardiac Surgery Enhances Platelet Renewal and Impairs Aspirin Pharmacodynamics: Effects of Improved Dosing Regimens.

Cavalca V, Rocca B, Veglia F, Petrucci G, Porro B, Myasoedova V, De Cristofaro R, Turmu L, Bonomi A, Songia P, Cavallotti L, Zanobini M, **Camera M**, Alamanni F, Parolari A, Patrono C, Tremoli E.

Clin Pharmacol Ther. 2017 Apr 5. doi: 10.1002

I.F.= 7,266

64. Do methodological differences account for the current controversy on tissue factor expression in platelets?

Brambilla M, Rossetti L, Zara C, Canzano P, Giesen P, Tremoli E, **Camera M**.

Platelets 2017 Jun 23:1-9

3,213

I.F.=

65. PCSK9 as a positive modulator of platelet activation

**Camera M**, Rossetti L, Barbieri SS, Zanotti I, Canciani B, Trabattoni D, Ruscica M, Tremoli E, Ferri N.

JACC 2018; 71 (8): 952-954

16,834

I.F.=

66. PCSK9 induces a pro-inflammatory response in macrophages.

Ricci C, Ruscica M, **Camera M**, Rossetti L, Macchi C, Colciago A, Zanotti I, Lupo MG, Adomi MP, Cicero AFG, Fogacci F, Corsini A, Ferri N.

Scientific Reports 2018; 8: 2267  
4,259 I.F.=

67. Impact of angiotensin-converting enzyme inhibition on platelet Tissue Factor expression in stroke-prone rats

Brambilla M, Gelosa P, Rossetti L, Castiglioni L, Zara C, Canzano P, Tremoli E, Sironi L **Camera M**.  
J Hypertens. 2018 Jun;36(6):1360-1371. I.F.=  
4,085

68. 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. I.F.= 16,834

69. Patho- physiological role of BDNF in fibrin clotting.

Amadio P, Porro B, Sandrini L, Fiorelli S, Bonomi A, Cavalca V, Brambilla M, **Camera M**, Veglia F, Tremoli E, Barbieri SS.

Sci Rep. 2019 Jan 23;9(1):389. I.F.=  
4,122

- **I.F. Totale = 340,51;**
- **I.F. medio = 4.95;**
- **citazioni totali = 2959;**
- **h-index = 30, fonte SCOPUS**

**LECTURER ACTIVITY AND  
SUPERVISION OF UNDER-  
GRADUATED, POST-  
GRADUATED AND PHD  
STUDENTS**

Lecturer Activity

-

I have been lecturing for the following courses:

-

2016-2017 Pharmacology, Module of the annual teaching of Medicine and Pharmacology (D640L), Nursing Degree Course, University of Milan.

2009-2016 Pharmacological Methodologies, Integrated Course in Pharmacological Biotechnologies, Graduate Course in Pharmaceutical Biotechnologies at the Department of Pharmacological and Biomolecular Sciences, University of Milan.

2010-2011 Pharmacological Strategies for Cardiovascular Disease, Bachelor's Degree in Medical Biotechnology, Faculty of Pharmacy, University of Milan.

2008-2009 Clinical Trials of Drugs, Bachelor's Degree in Pharmacy, Faculty of Pharmacy, University of Milan.

-



2003-2008 Biotechnology Methods Applied to Vascular Pharmacology, Bachelor's Degree in Pharmaceutical Biotechnology, Faculty of Pharmacy, University of Milan.

2004-2006 Applied Biology, Degree Course in Cardiovascular and Cardiovascular Pathophysiology, Faculty of Medicine and Surgery, University of Milan.

-

I have been invited to give lectures in the following

-

1994-2003 School of Specialization in Pharmacology, University of Milan.

1997-2003 School of Specialization in Toxicology, University of Milan.

2000 School of Specialization in Internal Medicine, University of Milan.

2011 PhD Program in Pharmacology and Biotechnology.

2011-2013 School of Specialization in Hospital Pharmacology.

2013 Head of the organization of a four-day seminar in the cardiovascular field within the Ph.D. in Pharmacovigilance, Pharmacognosics and Pharmacological Biotechnology Sciences.

**INVITED ORAL LECTURES  
(International Meetings)**

2017 ESC Congress 2017. Barcelona 26-30 August 2017. Title: "PCSK9 is a co-activator of platelet function beyond its role in cholesterol homeostasis".

2017 12th International Winter Meeting on Coagulation. Mantova, Italy – May 24-27, 2017. Title: "Platelet Tissue Factor".

2016 ESC Congress 2016. Roma 27-31 Agosto 2016. Title: "Functional and phenotypical heterogeneity of platelets in atherothrombosis".

2016 Frontiers in CardioVascular Biology Congress 2016. Firenze 8-10 Luglio 2016. Title: "Platelet activation and Tissue Factor expression: old players for new concepts in thrombosis".

2015 Eurothrombosis 2015, Como, Italy, October 1-3, 2015. Title: "Relevance of platelet tissue factor in thrombus formation".

2013 Eurothrombosis 2013, Uppsala, Sweden, October 3-5, 2013. Title: "Platelet activation and Tissue Factor expression: old players for new concepts in cardiovascular diseases".

2013 11th International Winter Meeting on Coagulation. Bormio, Italy – April 14-20, 2013. Title: "The platelet transcriptome in health and in cardiovascular disease".

2012 ESC European Society of Cardiology Congress 2012, Munich (Germany) August 25-29, 2012. Title: "Platelet activation and Tissue Factor expression".

2012 ESC European Society of Cardiology Congress 2012, Munich (Germany) August 25-29, 2012. Title: "Genomics of arterial Thrombi".

2011 XI ETRO Advanced Teaching Course: Thrombosis: a multidisciplinary approach, Campobasso, Italy, September 2011, 18-23. Title: "Tissue Factor and Atherosclerosis".

2011 10th International Winter Meeting on Coagulation. Bormio, Italy – April 10-16, 2011. Title: "Platelet-associated Tissue Factor: still an ongoing controversy?".

2009 9th International Winter Meeting on Coagulation. Bormio, Italy – March 29-April 4, 2009. Title: "Platelet activation after coronary stent implantation".

2008 ADP 2008 - Platelet P2 Receptors: From Basic Science To Clinical Practice, Bormio, 19-21 giugno 2008. Title: "Platelets and Tissue Factor: old players for new concepts in atherothrombosis".

- 2008 8th International Winter Meeting On Coagulation. Bormio, April 6-12, 2008. Title: "Atherothrombosis, tissue factor and platelets: an update".
- 2007 Seminario presso The Medicines Company, New Jersey, USA. "Platelets and Atherotrombosis: new molecular insights". 28 Novembre 2007.
- 2006 Seventh International Winter Meeting on Coagulation, La Thuile, Italy, March 31, 2006. Title: "Platelets And Atherothrombosis: New Molecular Insights".
- 2004 Sixth International Winter Meeting on Coagulation – La Thuile, Italy, March 28th-April 3rd, 2004. Title: "Tissue Factor and Thrombosis: new concepts and clinical implications".
- 1996 Cornell University Medical College, New York, N.Y., USA: "Regulation of Tissue Factor Expression in endothelial cells: effects of growth factors and cytokines".
- 1993 Cornell University Medical College, New York, N.Y., USA: "Fibrinolytic properties of an immortalized endothelial cell line".

INVITED ORAL LECTURES  
(National Meetings)

- 2018 High risk ambulatory patient. Milano, 14 Giugno 2018. Title: "Terapia anti-aggregante piastrinica: considerazioni farmacologiche".
- 2018 Il Laboratorio clinico l'aterotrombosi ed il tromboembolismo. Perugia, 30 Novembre -1 Dicembre. Title: "Le vescicole extracellulari e l'aterotrombosi"
- 2017 V Corso Nazionale di aggiornamento PIASTRINE 2017. Milano, 22 – 23 Novembre, Milano. Title: "Piastrine e aterotrombosi: nuovi aspetti molecolari e implicazioni cliniche"
- 2017 Update sui farmaci anticoagulanti orali nel paziente cardiologico. Milano, 17 Novembre 2017. Title: "Impatto degli anticoagulanti orali diretti: considerazioni sul loro meccanismo d'azione".
- 2017 Rischio Ischemico Dopo Sindrome Coronarica Acuta: Ruolo Della Terapia Anti-Aggregante Piastrinica. Milano, 24 Ottobre 2017. Title: "Antiaggreganti piastrinici: considerazioni farmacologiche".
- 2017 Novità nella terapia anticoagulante in cardiologia: considerazioni farmacologiche e cliniche. Milano, 3 Aprile 2017. Title: "Farmacologia clinica dei DOACs".
- 2017 MALATTIE EMORRAGICHE E TROMBOTICHE: prospettive 2017" (Terzo Lorenzet Memorial). Pozzilli (IS) - 12 gennaio 2017. Title: "Il Tissue Factor: la ricerca di Roberto continua a generare nuova ricerca".
- 2016 III CONGRESSO "IL LABORATORIO CLINICO, L'ATEROTROMBOSI E IL TROMBOEMBOLISMO". Perugia, 2-3 Dicembre 2016. Title: "Le interazioni piastrine coagulazione nella trombosi arteriosa".
- 2016 La Cardiopatia Ischemica nel Genere Femminile. Milano, 16 Novembre 2016. Title: "Peculiarità di genere della crisi emocoagulativa e della aggregazione piastrinica".
- 2016 XIV Congresso Nazionale SIES, Società Italiana di Ematologia Sperimentale. Rimini, 19-21 ottobre 2016. Title: "Piastrine, tissue factor e aterotrombosi: nuovi ruoli per vecchi attori".
- 2016 Workshop Ruolo delle Piastrine nei meccanismi molecolari comuni alle patologie metaboliche, cardiovascolari e neurodegenerative. Perugia, 29 Aprile 2016. Title: "Eterogeneità piastrinica: possibile ruolo nella partecipazione in senso protrombotico o proinfiammatorio alle patologie cronico-degenerative".
- 2016 Workshop Siset - Post-ISTH Meeting, Bergamo 29-30 Gennaio 2016. Title: "Biologia Vascolare".
- 2015 29° Congresso Nazionale SISA – Bologna, 22-24 Novembre 2015. Title: "Il ruolo dei meccanismi protrombotici nell'aterogenesi".
- 2015 V Corso Nazionale di aggiornamento PIASTRINE 2015 - Milano, 11-12 Novembre 2015. Title: "Piastrine e aterotrombosi: eterogeneità fenotipica e funzionale".
- 2015 37° Congresso SIF – Napoli, 27-30 Ottobre 2015. Title: "Extracellular vesicles as biomarkers in coronary artery diseases".
- 2015 Convegno Regionale SISA Lombardia, XIV Giornata Studio – Milano, 16 Ottobre 2015.

- Title: "Piastrine, Tissue Factor e aterotrombosi: "nuovi" ruoli per "vecchi" attori".
- 2015 V Congresso Abruzzo Spring Meeting on Haemostasis and Thrombosis – Chieti, 18-19 Settembre 2015. Title: "Tissue factor, piastrine e malattia cardiovascolare".
- 2014 75° Congresso Nazionale SIC - Roma, 13-15 Dicembre 2014. Title: " Microparticelle circolanti: un nuovo biomarcatore nella malattia coronarica".
- 2014 XXIII Congresso Nazionale Siset – Milano, 6-9 Novembre 2014. Title: "Platelet heterogeneity: pathophysiologic and clinical implications".
- 2014 IV Congresso Abruzzo Spring Meeting on Haemostasis and Thrombosis – Chieti, 28-29 maggio 2014. Title: "Tissue Factor e aterotrombosi: il contributo dell'asse megacariocitario-piastrinico".
- 2014 XVI Corso di Aggiornamento TERAPIE ANTITROMBOTICHE IN CARDIOLOGIA- Firenze, 16-17 maggio 2014. Title: "La biologia del fattore tissutale".
- 2013 74° Congresso Nazionale SIC - Roma, 14-16 Dicembre 2013. Title: "Fattore Tessutale e piastrine".
- 2013 Quarto Corso Nazionale PIASTRINE 2013 - Milano, 14-16 Novembre 2013. Title: "Piastrine e aterotrombosi: eterogeneità fenotipica e funzionale".
- 2013 La Cardiopatia Ischemica nel Terzo Millennio, IIa edizione: dalla pratica clinica alla medicina basata sulle evidenze. – Milano, 18 ottobre 2013. Title: "Piastrine, biomarkers e presentazione clinica".
- 2013 III Congresso Abruzzo Spring Meeting on Haemostasis and Thrombosis – Chieti, 31 Maggio-1 Giugno 2013. Title: "Interplay tra coagulazione e piastrine".
- 2012 XXII Congresso Nazionale Siset - Vicenza, 4-6 Ottobre 2012. Title: "La gestione dei nuovi farmaci anticoagulanti e antiaggreganti".
- 2012 Convegno Stent coronarici, chirurgia non programmata e terapia antiaggregante piastrinica – Milano, 13 Marzo 2012. Title: "L'inibizione piastrinica dopo stenting coronarico: dipende anche dal tipo di stent?".
- 2011 72° Congresso Nazionale SIC - Roma, 10-12 Dicembre 2011. Title: "Piastrine, Tissue Factor e aterotrombosi: aspetti molecolari e implicazioni cliniche".
- 2011 Simposio congiunto Siset e Università di Napoli "Federico II": "Patologie dell'emostasi"- Napoli, 1-2 Dicembre 2011. Title: "Fattore tissutale: tra trombosi ed aterosclerosi".
- 2011 Corso Nazionale della Società Italiana per lo Studio dell'Emostasi e della Trombosi, Milano - 27-28 Ottobre 2011. Title: "Attività procoagulante piastrinica".
- 2011 Il Congresso Attivazione ed Inibizione Piastrinica Nell'aterotrombosi - Chieti, 27-28 Maggio 2011. Title: "Attivazione Piastrinica e Sindromi Coronariche Acute: Piastrine, coagulazione e malattia cardiovascolare".
- 2011 Terzo Corso Nazionale PIASTRINE 2011 - Milano, 12-14 Maggio 2011. Title: "Piastrine, fattore tissutale e aterotrombosi: nuovi aspetti molecolari e implicazioni cliniche".
- 2011 IX° Corso Nazionale Congiunto di Ultrasonologia Vascolare, Diagnosi E Terapia - Bertinoro (FC) 30 marzo-2 aprile 2011. Title: "Nuove acquisizioni sull'aterosclerosi: placca vulnerabile".
- 2010 71° Congresso Società Italiana di Cardiologia - Roma, 1-13 Dicembre 2010. "Tissue Factor Piastrinico: ruolo nella trombosi arteriosa".
- 2010 Convegno Humanitas-Gavazzeni: Le arteriopatie obliteranti periferiche: ieri, oggi, domani - Bergamo, 12 Giugno 2010. Title: "Eziopatogenesi e fisiopatologia delle arteriopatie obliteranti periferiche e loro correlazioni con le manifestazioni aterosclerotiche sistemiche".
- 2010 Convegno Attivazione ed Inibizione Piastrinica nell'aterotrombosi - Chieti, 28-29 Maggio 2010. Title: "Attivazione Piastrinica e Infiammazione: Piastrine e Fattore Tissutale".
- 2009 Convegno Humanitas-Gavazzeni: La stenosi carotidea extracranica e gli eventi cerebrovascolari: diagnosi e terapia oggi - Bergamo, 6 Giugno 2009. Title: "L'aterosclerosi carotidea: aspetti di eziopatogenesi e fisiopatologia".
- 2008 XX Congresso della Società Italiana per lo Studio dell'Emostasi e della Trombosi, Firenze, 25-28 Settembre, 2008. Title: "Piastrine e Tissue Factor".
- 2008 CONVEGNO REGIONALE SIAPAV: Gli aneurismi dell'aorta addominale sottorenale oggi: quando, come, chi - Bergamo, 23 Febbraio 2008. Title: "Aneurismi dell'aorta addominale sottorenale: Ruolo delle metalloproteasi della parete aortica".

2007 Corso Nazionale PIASTRINE 2007 - L'Aquila, 15-16 Giugno 2007. Title: "Ruolo delle piastrine nell'aterotrombosi".

## INVITED Seminars

- 1992 Inst. of Pharmacological Sciences, Faculty of Pharmacy, University of Milan: "Lipoproteine aterogene e danno endoteliale".
- 1993 Cornell University Medical College, New York, N.Y., USA: "Fibrinolytic properties of an immortalized endothelial cell line".
- 1994 Inst. of Pharmacological Sciences, Faculty of Pharmacy, University of Milan "Espressione di proteine del sistema fibrinolitico in una linea di cellule endoteliali immortalizzate".
- 1996 Cornell University Medical College, New York, N.Y., USA: "Regulation of Tissue Factor Expression in endothelial cells: effects of growth factors and cytokines".
- 1996 San Carlo Hospital, Milan - Aggiornamenti in tema di Aterosclerosi e Trombosi Arteriosa: "Modulazione della funzione endoteliale da parte di fattori di crescita e citochine".
- 1997 Inst. of Pharmacological Sciences, Faculty of Pharmacy, University of Milan: "Espressione e modulazione del Tissue Factor in cellule endoteliali umane".
- 1997 Course: "L'Endotelio: dalla fisiologia alla pratica clinica" - Porto Conte, October 3-4, 1997 - "Fattori di rischio cardiovascolare ed endotelio".
- 1998 Seminars in Clinical Immunology – IRCCS Policlinico, Via F. Sforza, 35- Milan. Atherosclerosis & Autoimmunity day – "Endothelial activation and Atherosclerosis". June 12, 1998.
- 2001 School of Specialization in Internal Medicine, IRCCS Policlinico, Via F. Sforza, 35- Milan: Workshop on "Aterotrombosi e Infiammazione: Ruolo della statine" - "Effetti pleiotropici antiaterogenici e antitrombotici delle statine". May 2, 2001;.
- 2003 Inst. of Pharmacological Sciences, Faculty of Pharmacy, University of Milan: "Tissue Factor e Trombosi: nuove conoscenze fisiopatologiche ed implicazioni cliniche".
- 2005 Dept. Of Biochemistry and Molecular Biology, Faculty of Sciences, University of Ferrara: "Tissue factor e piastrine: fisiopatologia ed implicazioni cliniche". April 19, 2005.
- 2007 The Medicines Company, New Jersey, USA. "Platelets and Atherotrombosis: new molecular insights". November 28, 2007.
- 2008 Azienda Ospedaliera Niguarda Ca' Granda, Milan, "Platelets, Tissue Factor and Atherothrombosis: new molecular insights", April 23, 2008.
- 2008 Giornata di Aggiornamento in Medicina di Laboratorio "Nuove opportunità diagnostiche in coagulazione ed emostasi", Tromboelastometria ed ipercoagulazione, Multimedia, Milan, June 7, 2008.
- 2009 Dipartimento Universitario di Medicina e Scienze dell'Invecchiamento, Università degli Studi "G. d'Annunzio" Chieti. Title: "Piastrine, tissue factor e aterotrombosi: nuovi aspetti cellulari e molecolari. Chieti, February 13, 2009.
- 2009 Istituto Europeo di Oncologia nell'ambito degli "Incontri di Cardiologia Clinica". Title: "Piastrine, Tissue Factor e trombosi: nuove evidenze ed implicazioni cliniche". Milan, May 20, 2009.
- 2010 Inst. of Pharmacological Sciences, Faculty of Pharmacy, University of Milan: "Piastrine, tissue factor e aterotrombosi: nuovi aspetti molecolari e implicazioni cliniche". Milan, September 24, 2010.
- 2011 PhD Program in Biotecnologie applicate alle Scienze Mediche, Università degli Studi di Milano: "Platelets, inflammation and Atherothrombosis". Milan, May 23, 2011.
- 2013 Seminari Interni della Ricerca – Centro Cardiologico Monzino IRCCS. Milan, December 17, 2013. Title: "Unravelling the issue of platelet-associated TF: the time to deny the evidence is over".
- 2015 www.ricercamonzino.it - Centro Cardiologico Monzino IRCCS. Milan, February 27-28, 2015. Title: "Platelet activation and Tissue Factor expression in CAD".
- 2017 www.ricercamonzino.it - Centro Cardiologico Monzino IRCCS. Milan, 9 Marzo 2017- Title: "Thrombotic risk stratification: insights from "omics".
- 2018 www.ricercamonzino.it - Centro Cardiologico Monzino IRCCS. Milan, 9 Marzo 2018- Title: "In searching for hidden platelet modulators: the role of PCSK9".
- 2018 SCUOLA DI SPECIALIZZAZIONE IN MALATTIE CARDIOVASCOLARI, UNIVERSITA' DI PISA- Pisa, 22 Giugno 2018. Title: "Piastrine, Tissue Factor e aterotrombosi: aspetti

molecolari e implicazioni cliniche”.

**Consapevole delle responsabilità penali in caso di dichiarazioni mendaci, dichiaro che quanto contenuto nel presente curriculum è corrispondente al vero. Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali" e del GDPR EU n. 679/16.**

Milano, 17 Aprile 2019