Curriculum vitae

AL MAGNIFICO RETTORE
DELL'UNIVERSITA' DEGLI STUDI DI MILANO **COD. ID: 6576**

Il sottoscritto chiede di essere ammesso a partecipare alla selezione pubblica, per titoli ed esami, per il conferimento di un assegno di ricerca presso il Dipartimento di Scienze Cliniche e di Comunità, Responsabile scientifico: **Prof. Montini Giovanni.**

CURRICULUM VITAE

INFORMAZIONI PERSONALI

Cognome	Collino
Nome	Federica

OCCUPAZIONE ATTUALE

Incarico	**Struttura**
Ricercatore a Tempo Determinato di tipo A SSD MED/46	Dipartimento di Scienze Cliniche e di Comunità

ISTRUZIONE E FORMAZIONE

Titolo	**Corso di studi**	**Università**	**anno conseguimento titolo**
Laurea Magistrale o equivalente	Laurea magistrale in Biotecnologie Laurea Specialistica in Biotecnologie Molecolari	Università degli Studi di Torino Università degli Studi di Torino	2003 2005
Specializzazione	BIOCHIMICA CLINICA	Facoltà di Medicina e Chirurgia, Università degli Studi di Torino.	2014
Dottorato Di Ricerca	Dottorato di Ricerca in Fisiopatologia Medica	Dipartimento di Medicina Interna, Università degli Studi di Torino	2008

LINGUE STRANIERE CONOSCIUTE

lingue	**livello di conoscenza**
Italiano	Madrelingua

Inglese Portoghese	Advanced level (C1)

PREMI, RICONOSCIMENTI E BORSE DI STUDIO

anno	Descrizione premio
2008-2020	Best abstracts/oral communication in numerosi congressi quali World Congress of Nephrology ERA-EDTA, Biochemical Society Workshop, ISEV and ESPN. Marie Curie fellowship. In dettaglio: - Best 10 Oral Presentations, ESPN2022 (Ljubljana, May 2022) Titolo: “Deciphering the immunological mechanisms underlying pediatric Idiopathic Nephrotic Syndrome". - Best oral communication, ISEV 2015 (Boston, April 2015) Titolo: “Mesenchymal stromal cell-derived extracellular vesicles inhibit in vitro and in vivo tumor cell proliferation”. Boston, USA. - 8th best abstracts of ERA-EDTA (Prague, June 2011) Titolo: The plasticity of human renal CD133+ progenitors is modulated by hypoxia through oct4/mir-145 balance. - Best poster for Oral Communication, Biochemical Society Workshop (London, UK, 2010) Titolo: Microvesicles (MVs) derived from adult human bone marrow and tissue-specific mesenchymal stem cells shuttle selected pattern of miRNAs. - Best abstracts young authors and top 20% abstracts, World Congress of Nephrology ERA-EDTA (WCN, Milano, May 2009). Title: Human mesenchymal stem cell-derived microvesicles protect from acute tubular injury.
03/01/2011-31/12/2012	Assegno di collaborazione ad attivitá di ricerca di 24 mesi, settore disciplinare: Scienze Mediche, sperimentali e cliniche, presso il Centro Interdisciplinare di Ricerca per le Biotecnologie Molecolari, Universitá degli Studi di Torino, Italia. Programma di ricerca: Effetto oncosoppressivo di microvescicole derivate da cellule staminali adulte. Assegno a totale carico. Responsabile scientifico: Prof. Giovanni Camussi.
02/01/2009-31/12/2010	Assegno di collaborazione ad attivitá di ricerca di 24 mesi settore disciplinare: Scienze Mediche, sperimentali e cliniche presso il Dipartimento di Medicina Interna. Universitá degli Studi di Torino, Italia. Programma di ricerca: Caratterizzazione fenotipica e funzionale di cellule staminali tumorali nel carcinoma renale a cellule chiare. Assegno cofinaziato MIUR. Responsabile scientifico: Prof. Benedetta Bussolati.
2013-2014	Contratto da Ricercatore Visitante al progetto di ricerca Industry-Academia Partnerships and Pathways (IAPP), FP7 PEOPLE-2013-IAPP, Marie Curie project, London Metropolitan University, London UK (Supervisor: Prof. Jameel Inal) e UNIVERSITAIR MEDISCH CENTRUM UTRECHT (UMCU) (Supervisor: Prof. Raymond Schiffelers).

2015	Borsa da Ricercatore Visitante di 12 mesi (mantenuta dal) dell´Organo di Ricerca Carlos Chagas Filho Research Support Foundation of the State of Rio de Janeiro (FAPERJ), presso il Dipartimento di Biofisica, Universitá Federale di Rio de Janeiro, Brasile. Programma di ricerca: vescicole extracellulari nello sviluppo del danno renale acuto e cronico. Responsabile scientifico: Prof. Adalberto Vieyra
2016-2017	Borsa da Ricercatore Visitante di 12 mesi dell´Organo di Ricerca Brazilian Research National Council (CNPq) presso il Dipartimento di Biofisica, Universita Federale di Rio de Janeiro, Brasile. Programma di ricerca: Ruolo delle vescicole extracellulari nel danno renale acuto e cronico: importanza dei miRNAs in questo processo. Responsabile scientifico: Prof. Adalberto Vieyra.

ATTIVITÀ DI FORMAZIONE O DI RICERCA

Descrizione dell'attività di Ricerca:

- 2014: Visiting Researcher: FP7 PEOPLE-2013-IAPP, Marie Curie project, London Metropolitan University, London (Supervisor: Prof. J. Inal)

- 2015: Visiting Researcher: FP7 PEOPLE-2013-IAPP, Marie Curie project, University Medical Center of Utrecht (Supervisor: Prof. R. Schiffelers).

- 2016-2017: Visiting Researcher, Regenerative medicine Group, Institute of Biophysics Carlos Chagas Filho, Federal University of Rio de Janeiro, Brazil.

- 2017-2018: Visiting Professor Regenerative medicine Group, Institute of Biophysics Carlos Chagas Filho, Federal University of Rio de Janeiro, Brazil.

Attività di insegnamento:

- Tirocinio (primo anno) per il Corso di Laurea in Tecniche di Laboratorio Biomedico, Università di Miano (Classe L/SNT3) (macrosettore 06/N1, MED/46) YY. 2023/2024 (50 ore).

-Corso Elettivo MALATTIE RENALI PEDIATRICHE: CLINICA E MODELLI DI LABORATORIO per il corso di Medicina e Chirurgia, POLO CENTRALE (EX LINEA C) (MED/46 e MED/38) YY. 2023/2024 (8 ore)

- Tirocinio (primo anno) per il Corso di Laurea in Tecniche di Laboratorio Biomedico, Università di Miano (Classe L/SNT3) (macrosettore 06/N1, MED/46) YY. 2022/2023 (50 ore)

- Corso di Master in Nefrologia e Urologia Pediatrica dell'Università di Milano, Milano, Italia AA. 2021/2022 e 2023/2024.

- Corso di Master e Dottorato in Fisiologia e Biologia Applicata (macrosettore 05/F e 05/D, BIO/13) in "Terapia Rigenerativa" Università Federale di Rio de Janeiro, Rio de Janeiro, Brasile. AA. 2016/2017 (60 ore).

- Complemento alla didattica per il Corso di Biotecnologie Molecolari, Universitá degli Studi di Torino, Corsi: "Molecular therapy in Nephrology" e "Biotechnologies applicated to nephrology". (Macrosettore 06/D–MED14). AA. 2009/2010 (10 ore); AA. 2010/2011 (10 ore).

- Complemento alla didattica per il Corso di Laurea Magistrale in Scienze delle Professioni Sanitarie Tecniche-Diagnostiche presso l'Azienda Ospedaliera-Universitaria San Giovanni Battista di Torino. Corso: "Contributi di Nefrologia" in Ricerca 1 (MED/14). Anni accademici: AA. 2008/2009 (10 ore);

AA. 2009/2010 (10 ore); AA. 2010/2011 (10 ore); AA. 2011/2012 (10 ore).

- Complemento alla didattica per il Corso di Laurea Magistrale in Scienze delle Professioni Sanitarie Tecniche-Diagnostiche presso l'Azienda Ospedaliera-Universitaria San Giovanni Battista di Torino. Corso: METODOLOGIA DELLA RICERCA DI NEFROLOGIA" in Ricerca 2 (MED/14). Anni accademici: AA. 2012/2013 (10 ore); AA. 2013/2014 (10 ore).

Co-supervisione di 5 dottorandi (Università di Padova, Università di Milano, Università di Torino, Università Federale di Rio de Janeiro).

Co-supervisione di 6 studenti del Master (Università di Milano, Università di Torino, Università Federale di Rio de Janeiro).

ATTIVITÀ PROGETTUALE

Anno	Progetto	Funzione	Agenzia finanziatrice
2024	EJP-RD Partner.Title: Biomarkers and outcome PREdictors of paediatriC nephrotIc syndrome: a genetic, transcriptomic and SEcretome multiomics study. The PRECISE study.	4	European Joint call for rare diseases (EJP RD JTC 2023)
2023	Research Unit PI. Title. PRecocious biOmarkers oF Unilateral ureTero-pelvic jUnction obstRuction in childrEn. The PRO-FUTURE project.	4	PRIN 2023 (2022CT8XKW)
2023	Scientific component (PI: Prof. Giovanni Montini). Title: Exploring the molecular landscape of pediatric idiopathic nephrotic syndrome-associated glomerular damage and proteinuria.	2	PRIN 2023 (2022B9WC3F)
2023	Scientific component, (PI: Prof. Adalberto Vieyra). Title: Title: New and old players for therapeutic strategies in nephropathies: cellular, acellular, and pharmacological therapies	2	Universal CNPq 2023, Chamada CNPq/MCTI Nº 10/2023 - Faixa B - Grupos Consolidados
2022	PI; Title: Isolation and characterization of kidney tissue biopsies- and urine- derived extracellular vesicles in children with primary glomerular diseases".	6	Starting Grant PSR 2022, Department of Clinical and Community Sciences, UNIMI
2022	Scientific component, (PI: Prof. Giovanni Montini). Project Title: Idiopathic nephrotic syndrome in children: a study of the molecular mechanisms of proteinuria and glomerular damage.	2	RICERCA CORRENTE ANNO 2023, Fondazione Ca' Granda IRCCS Ospedale Maggiore Policlinico
2022	Scientific component, (PI: Prof. Adalberto Vieyra). Title: Investigation of cellular and molecular mechanisms associated with the inter-organ impact of malnutrition, obesity, hypertension and diabetes.	3	Carlos Chagas Filho Research Support Foundation of the State of Rio de Janeiro (FAPERJ)
2019	PI, Contribution of extracellular vesicles (EVs) from different stem cells sources to the brain-kidney crosstalk in a model of hypertension-induced CKD	6	Starting Grant, DBS2020, Department of Medical Bioscience, UNIPD.

2018	Scientific component, Title: Use of extracellular vesicles in regenerative medicine in nephropathies and heart diseases.	6	Carlos Chagas Filho Research Support Foundation of the State of Rio de Janeiro (FAPERJ)
2016	Visiting Researcher PI, Title: Role of extracellular vesicles in the progression of acute and chronic kidney damage: miRNA involvement in the pathology.	12	Brazilian Research National Council, CNPq
2014	Scientific component, Title: Regulation of renal and bone marrow injury by extracellular vesicle non-coding RNA	6	National Institutes of Health, 1UH2TR000880-01
2013	Task coordinator, Title: Definition of the optimal "RNA-protein Healing" shuttled by stem cell-derived vesicles (EVs) in different murine models of kidney injuries.	9	FP7 European Project PEOPLE-2013-IAPP, Marie Curie project

CONGRESSI, CONVEGNI E SEMINARI

2023	Malaga	1st MOVE Symposium	Partecipazione convegno
2023	Termis, Manchester	A three-dimensional glomerular millifluidic model to study lipid oxidation and extracellular vesicles turnover in idiopathic nephrotic syndrome.	Poster
2023	EVITA 2023	Urinary Extracellular Vesicles Fatty Acid Profiling captures lipid metabolism changes in childhood Steroid-Sensitive Nephrotic Syndrome.	Partecipazione convegno
2023	ISEV 2023	RECONSTRUCTED COLORECTAL CANCER MODEL AND EVS: ROLE OF MESENCHYMAL STROMAL CELL DERIVED-EVS ON TUMOR GROWTH AND EXTRACELLULAR MATRIX ALTERATION.	Comunicazione Orale
2023	ISEV 2023	Modelling INS disease subtypes stratification based on a surface EV biomarkers signature	Poster
2023	2 ESCAPE Meeting Heidelberg, Germania	"Immunological mechanisms of idiopathic nephrotic syndrome"	Comunicazione Orale
2023	1 ESCAPE Network – Meeting, Heidelberg, Germania.	"EXPLORING THE IMMUNOLOGICAL AND MOLECULAR LANDSCAPE OF PEDIATRIC IDIOPATHIC	Comunicazione Orale

		NEPHROTIC SYNDROME-ASSOCIATED GLOMERULAR DAMAGE AND PROTEINURIA"	
2022	Ljubljana, Slovenia.	Deciphering the immunological mechanisms underlying pediatric Idiopathic Nephrotic Syndrome	Comunicazione Orale
2022	CONGRESSO ABTCel-Gen, Rio de Janeiro, Brasile	EXTRACELLULAR VESICLES AND MATRIX: EFFECTORS AND TARGETS OF A PERSONALIZED APPROACH FOR FIGHTING CANCER	Comunicazione Orale
2022	Lyon, France	Biofluid derived extracellular vesicles are effectors of immune system dysfunction in children with Idiopathic Nephrotic Syndrome	Comunicazione Orale
2020	Usa	Adipose mesenchymal stromal cell derived EVs foster cardio renal protection in the DOCA salt hypertensive rat model	Comunicazione Orale
2019	Palermo	Extracellular vesicles from adipose mesenchymal stromal cells promote cardio renal protection in DOCA salt hypertensive model	Comunicazione Orale
2018	Monte Carlo, Monaco.	EURAMET Panel 2018 evaluator	Partecipazione convegno
2017	Campo do Jordão, SP, Brazil.	RNAs and Extracellular Vesicles: new players in renal Regeneration and Pathology	Comunicazione Orale
2016	Rio de Janeiro, Brazil.	Extracellular vesicles mediators of Renal pathology and regeneration	Comunicazione Orale
2015	Rio de Janeiro, Brazil.	Extracellular vesicles and microRNAs in renal regeneration	Comunicazione Orale
2014	Providence, USA.	Extracellular Vesicles and microRNAs in Liver Stem Cell Based Anti Tumor Therapy	Comunicazione Orale
2014	Rotterdam, Netherlands.	Impaired expression of miRNAs in mesenchymal stem cell derived EVs reduced their regenerative potential in a model of acute kidney injury	Comunicazione Orale
2012	New York, USA.	EVs derived from bone marrow and tissue resident stem cells induce kidney and liver	Comunicazione Orale

		regeneration through the transfer of specific mRNAs and miRNAs	
2012	Gothenburg, Sweden.	Microvesicles derived from human liver stem cells inhibit hepatoma tumor growth by delivering anti tumor microRNAs”..	Comunicazione Orale
2010	London, UK.	Microvesicles (MVs) derived from adult human bone marrow and tissue specific mesenchymal stem cells shuttle selected pattern of miRNAs	Corta comunicazione Orale
2008	Powys, Wales	Preclamptic sera induce nephrin shedding from podocytes through endothelin-1 release by endothelial glomerular cells	Comunicazione Orale

PUBBLICAZIONI

Libri
Collino F, Bruno S, Deregibus MC, Tetta C, Camussi G. MicroRNAs and mesenchymal stem cells. Vitam Horm. 2011; 87: 291-320. Book Chapter.
Sterpone L, Collino F, Camussi G. Analysis and Clustering of MicroRNA Array: A New Efficient And Reliable Computational Method. In: Arabnia H, ed. Software Tools and Algorithms for Biological Systems (book series, Advances in Experimental Medicine and Biology, AEMB), Springer (TheNetherlands), 2010. ISBN: 978-1-4419-7045-9.
Camussi G., Collino F., Deregibus MC. Extracellular Vesicle-Mediated Epigenetic Reprogramming of Cells. Extracellular Vesicles in Health and Disease. May 2014, Book Chapter
Collino F, Rossi MID and Lindoso RS. Cancer stem cells concepts and their association with diagnostic and therapeutic strategies. In Researches on new generation tumor markers, 2018, Book chapter

Articoli su riviste
(https://www.ncbi.nlm.nih.gov/pubmed/?term=collino+federica) **Scopus 2024**: H-index = 31. **Citations:** 5824 De Acetis M, Notte A, Accornero F, Selvetella G, Brancaccio M, Vecchione C, Sbroggiò M, **Collino F,** Pacchioni B, Lanfranchi G, Aretini A, Ferretti R, Maffei A, Altruda F, Silengo L, Tarone G, Lembo G. Cardiac overexpression of melusin protects from dilated

cardiomyopathy due to long-standing pressure overload. Circ Res. 2005 Jul 8;97(1): e5. PubMed PMID: 15860758

Bruno S, Bussolati B, Grange C, **Collino F,** Graziano ME, Ferrando U, Camussi G. CD133+ renal progenitor cells contribute to tumor angiogenesis. Am J Pathol. 2006 Dec;169(6):2223-35. PubMed PMID: 17148683

Collino F, Bussolati B, Gerbaudo E, Marozio L, Pelissetto S, Benedetto C, Camussi G. Preeclamptic sera induce nephrin shedding from podocytes through endothelin-1 release by endothelial glomerular cells. Am J Physiol Renal Physiol. 2008 May; 294(5): F1185-94. Epub 2008 Feb 20. PubMed PMID: 18287402

Bussolati B, **Collino F,** Camussi G. I meccanismi del danno cronico renale nelle nefropatie e la loro possibile reversibilità. Giornale italiano di nefrologia / anno 25 s-44, 2008 / pp. s3-s10.

Hauser PV, **Collino F,** Bussolati B and Camussi G. Nephrin and Endothelial Injury. Curr Opin Nephrol Hypertens. 2009 Jan;18(1): 3-8. PubMed PMID: 19077682

Bruno S, Bussolati B, Grange C, **Collino F,** Verdun Cantogno L, Herrera MB, Biancone L, Tetta C, Segoloni G, Camussi G. Isolation and characterization of resident mesenchymal stem cells in human glomeruli. Stem Cells Dev.2009 Jul-Aug;18(6): 867-80. PubMed PMID: 19579288

Bruno S, Grange C, Deregibus MC, Calogero RA, Saviozzi S, **Collino F**, Morando L, Busca A, Falda M, Bussolati B, Tetta C, Camussi G. Mesenchymal stem cell-derived microvesicles protect against acute tubular injury. J Am Soc Nephrol.2009 May;20(5): 1053-67. Epub 2009 Apr 23. PubMed PMID: 19389847

Collino F, Revelli A, Massobrio M, Katsaros D, Schmitt-Ney M, Camussi G, Bussolati B. Epithelial-mesenchymal transition of ovarian tumor cells induces an angiogenic monocyte cell population. Exp Cell Res.2009 Oct 15;315(17): 2982-94. Epub 2009 Jun 16. PubMed PMID: 19538958

Collino F, Deregibus MC, Bruno S, Sterpone L, Aghemo G, Viltono L, Tetta C, Camussi G. Microvesicles derived from adult human bone marrow and tissue specific mesenchymal stem cells shuttle selected pattern of miRNAs. PLoS One. 2010 Jul 27;5(7): e11803. PubMed PMID: 20668554

Grange C, Tapparo M, **Collino F,** Vitillo L, Damasco C, Deregibus MC, Tetta C, Bussolati B, Camussi G. Microvesicles released from human renal cancer stem cells stimulate angiogenesis and formation of lung premetastatic niche. Cancer Res. 2011 Aug 1;71(15): 5346-56

Bussolati B, Moggio A, **Collino F,** Aghemo G, D'Armento G, Grange C, Camussi G. Hypoxia modulates the undifferentiated phenotype of human renal inner medullary CD133+ progenitors through Oct4/miR-145 balance. Am J Physiol Renal Physiol. 2012 Jan;302(1): F116-28

Bussolati B, **Collino F**, Camussi G. CD133+ cells as a therapeutic target for kidney diseases. Expert Opin Ther Targets. 2012 Feb; 16(2):157-65

Bruno S, Grange C, **Collino F,** Deregibus MC, Cantaluppi V, Biancone L, Tetta C, Camussi G. Microvesicles derived from mesenchymal stem cells enhance survival in a lethal model of acute kidney injury. PLoS One.2012; 7(3): e33115

Fonsato V*, **Collino F***, Herrera MB, Cavallari C, Deregibus MC, Cisterna B, Bruno S, Romagnoli R, Salizzoni M, Tetta C, Camussi G. Human liver stem cell-derived microvesicles inhibit hepatoma growth in SCID mice by delivering antitumor microRNAs. Stem Cells. 2012 Sep; 30(9): 1985-98. doi: 10.1002/stem. 1161.* equally contributed

Bruno S, **Collino F,** Tetta C, Camussi G. Dissecting Paracrine Effectors for Mesenchymal Stem Cells. Adv Biochem Eng Biotechnol. 2012 Sep 7. PubMed PMID: 22968371

Bruno S*, **Collino F***, Deregibus MC, Grange C, Tetta C, Camussi G. Microvesicles derived from human bone marrow mesenchymal stem cells inhibit tumor growth. Stem Cells Dev. v.22, p.758-771, 2013. *equally contributed.

Bussolati B, Lauritano C, Moggio A, **Collino F**, Mazzone M, Camussi G. Renal CD133(+)/CD73(+) progenitors produce erythropoietin under hypoxia and prolyl hydroxylase inhibition. J Am Soc Nephrol. 2013 Jul;24(8): 1234-41

Collino F, Grange C, and Camussi G. Release of microRNA-containing vesicles can stimulate angiogenesis and metastasis in renal carcinoma. MicroRNAs In Medicine. Chapter 37, 2013. Online ISBN: 9781118300312, DOI: 10.1002/9781118300312.

Collino F., Bruno S, Lindoso RS, Camussi G. miRNA expression in Mesenchymal Stem Cells. Current Pathobiology Reports, September 2014, Volume 2, Issue 3, pp 101-107

Lindoso RS, **Collino F**, Bruno S, Araujo DS, Sant'Anna JF, Tetta C, Provero P, Quesenberry PJ, Vieyra A, Einicker-Lamas M, Camussi G. Extracellular vesicles released from mesenchymal stromal cells modulate miRNA in renal tubular cells and inhibit ATP depletion injury. Stem Cells Dev. 2014 Aug 1;23(15): 1809-19. doi: 10.1089/scd.2013.0618. Epub 2014 May 20

Grange C, **Collino F,** Tapparo M, Camussi G. Oncogenic micro-RNAs and Renal Cell Carcinoma. Front Oncol. 2014 Mar 17;4: 49. doi: 10.3389/fonc.2014.00049. eCollection 2014. Review. PubMed PMID: 24672771; PubMed Central PMCID: PMC3956040

Bruno S, **Collino F,** Iavello A, Camussi G. Effects of mesenchymal stromal cell-derived extracellular vesicles on tumor growth. Front Immunol. 2014 Aug 11;5: 382. doi: 10.3389/fimmu.2014.00382. eCollection 2014. Review. PubMed PMID: 25157253; PubMed Central PMCID: PMC4127796

Collino F., Bruno S., Incarnato D., Dettori D., Neri F., Provero P., Pomatto M., Oliviero S., Tetta C., Quesenberry P. and Camussi G. Acute kidney injury recovery induced by extracellular vesicles carrying miRNAs, J Am Soc Nephrol. v.26, p. 2349 - 2360, 2015.

Lindoso RS *, **Collino F.** * and Camussi G. Extracellular vesicles derived from renal cancer stem cells induce a pro-tumorigenic phenotype in mesenchymal stromal cells. Oncotarget v.6, p.7959-7969, 2015.

Lindoso RS, Sandim V, **Collino F,** Carvalho AB, Dias J, Da Costa MR, Zingali RB, Vieyra A. Proteomics of cell-cell interactions in health and disease. Proteomics (Weinheim. Print). v.16, p. 328-344, 2016.

Wen S, Dooner M, Cheng Y, Papa E, Del Tatto M, Pereira M, Deng Y, Goldberg L, Aliotta J, Chatterjee D, Stewart C, Carpanetto A, **Collino F**, Bruno S, Camussi G, Quesenberry P. Mesenchymal stromal cell-derived extracellular vesicles rescue radiation damage to murine marrow hematopoietic cells. Leukemia 2016.

Chiabotto G, Bruno S, **Collino F,** Camussi G. Mesenchymal Stromal Cells Epithelial Transition Induced by Renal Tubular Cells-Derived Extracellular Vesicles. PLoS One 2016, 11(7): e0159163. doi: 10.1371/journal.pone.0159163.

Collino F, Pomatto M, Bruno S, Lindoso RS, Tapparo M, Sicheng W, Quesenberry P, Camussi G. Exosome and Microvesicle-Enriched Fractions Isolated from Mesenchymal Stem Cells by Gradient Separation Showed Different Molecular Signatures and Functions on Renal Tubular Epithelial Cells. Stem Cell Rev. 2017. doi: 10.1007/s12015-016-9713-1.

Pathan M et al. A novel community driven software for functional enrichment analysis of extracellular vesicles data. Journal of Extracellular vesicles, 2017 VOL. 6, 1321455. doi: 10.1080/20013078.2017.1321455.

Bruno S, Tapparo M, **Collino F,** Chiabotto G, Deregibus MC, Soares Lindoso R, Neri F, Kholia S, Giunti S, Wen S, Quesenberry P, regenerative potential of different extra-cellular vesicle populations derived from Camussi G. Renal bone marrow mesenchymal stromal cells. Tissue Eng Part A. 2017 May 4. doi: 10.1089/ten.TEA.2017.0069.

Cavallari C, Ranghino A, Tapparo M, Cedrino M, Figliolini F, Grange C, Giannachi V, Garneri P, Deregibus MC, **Collino F,** Rispoli P, Camussi G, Brizzi MF. Serum-derived extracellular vesicles (EVs) impact on vascular remodeling and prevent muscle damage in acute hind limb ischemia. Sci Rep. 2017 Aug 15;7(1):8180. doi: 10.1038/s41598-017-08250-0.

Lindoso RS, **Collino F,** Vieyra A. Extracellular vesicles as regulators of tumor fate: crosstalk among cancer stem cells, tumor cells and mesenchymal stem cells. Stem Cell Investig. 2017 Sep 16;4: 75. doi: 10.21037/sci.2017.08.08. eCollection 2017.

Brossa A, Papadimitriou E, **Collino F**, Incarnato D, Oliviero S, Camussi G and Bussolati B. Role of CD133 molecule in Wnt response and renal repair. STEM CELLS Translational Medicine. (2018).

Lindoso, R. S., Kasai-Brunswick, T. H., Monnerat Cahli, G., **Collino, F.,** Bastos Carvalho, A., Campos de Carvalho, A. C., & Vieyra, A. (2019). Proteomics in the World of Induced Pluripotent Stem Cells. Cells, 8(7), 703. doi.org/10.3390/cells8070703.

Tapparo M, Bruno S, **Collino F**, Togliatto G, Deregibus MC, Provero P, Wen S, Quesenberry PJ, Camussi G. Renal Regenerative Potential of Extracellular Vesicles Derived from miRNA-Engineered Mesenchymal Stromal Cells. Int J Mol Sci. 2019 May 14;20(10). pii: E2381. doi: 10.3390/ijms20102381.

Collino F, Lopes JA, Corrêa S, Abdelhay E, Takiya CM, Wendt CHC, de Miranda KR, Vieyra A, Lindoso RS. Adipose-Derived Mesenchymal Stromal Cells Under Hypoxia: Changes in Extracellular Vesicles Secretion and Improvement of Renal Recovery after Ischemic Injury. Cell Physiol Biochem. 2019;52(6):1463-1483. doi: 10.33594/000000102.

Soares Lindoso R., Lopes JA., Binato R., Abdelhay E., Maeda Takiya C., Rocha de Miranda K., Silva Lara L., Viola A., Bussolati B., Vieyra A. and **Collino F**. Adipose Mesenchymal Cells-Derived Extracellular Vesicles Alleviate DOCA-salt-Induced Hypertension by Promoting Cardio-Renal Protection. Mol Ther Methods Clin Dev. 2019; 16:63–77. Published 2019 Nov 15.

Collino F, Lopes JA, Tortelote GG, Tapparo M, Brunswick THK, Lopes GMC, Almeida DB, Skovronova R, Wendt HCC, de Miranda KR, Bussolati B, Vieyra A. and Lindoso RS, Extracellular vesicles derived from induced pluripotent stem cells promote renoprotection in acute kidney injury model. Cells 2020.

D'Angelo E, Soares Lindoso R., Sensi F., Pucciarelli S., Bussolati B., Agostini M. and **Collino F**. Extracellular matrix and vesicles: effectors and targets of Epithelial–Mesenchymal Transition in cancer. Front Oncol. 2020 Jul 24; 10:1122.

Tapparo M, Pomatto MAC, Deregibus MC, Papadimitriou E, Cavallari C, D'Antico S, **Collino F*** and Camussi G*. Serum Derived Extracellular Vesicles Mediated Delivery of Synthetic miRNAs in Human Endothelial Cells. Front Mol Biosci. 2021 Mar 26;8:636587. doi: 10.3389/fmolb.2021.636587. PMID: 33842542; PMCID: PMC8032863.

Magarotto F, Sgrò A, Dorigo Hochuli AH, Andreetta M, Grassi M, Saggioro M, Nogara L, Tolomeo AM, Francescato R, **Collino F,** Germano G, Caicci F, Maghin E, Piccoli M, Jurga M, Blaauw B, Gamba P, Muraca M, Pozzobon M. Muscle functional recovery is driven by extracellular vesicles combined with muscle extracellular matrix in a volumetric muscle loss murine model. Biomaterials. 2021 Feb;269:120653. doi: 10.1016/j.biomaterials.2021.120653. Epub 2021 Jan 7. PMID: 33461058.

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ALTRE INFORMAZIONI

Abilitazioni scientifiche nazionali:

- **2018:** Abilitazione scientifica a Professore di Seconda fascia Italia per il settore concorsuale 06/A2, PATOLOGIA GENERALE E PATOLOGIA CLINICA MEDICA rilasciato dal Ministero dell'Istruzione, dell'Università e della Ricerca (MIUR).

- **2017:** Abilitazione scientifica nazionale a Professore di II fascia per il settore concorsuale 06/N1, SCIENZE DELLE PROFESSIONI SANITARIE E DELLE TECNOLOGIE MEDICHE rilasciato dal MIUR.

- **2017:** Abilitazione scientifica nazionale a Professore di II fascia per il settore concorsuale 05/F1, BIOLOGIA APPLICATA rilasciato dal MIUR.

Attività editoriale:

Associate Editor for Stem Cell Research:
- Frontiers in Genetics
- Frontiers in Cell and Developmental Biology

Review Editor per:
- Editorial Board Member of Precision Cancer Medicine
- Editorial Board Member of Biomolecules
- Editorial Board Member of Frontiers in Oncology

REVIEWER PER RIVISTE SCIENTIFICHE INDICIZZATE:

• Since 2015: Journal of the American Society of Nephrology
• Since 2015: Kidney International
• Since 2014: Journal of Extracellular Vesicles
• Since 2014: Stem Cells International

- Since 2013: Plos One
- Since 2015: BMC Genomics
- Since 2017: Cytotherapy
- Since 2017: Stem Cells Review and Reports.
- Since 2017: STEM CELLS Translational Medicine
- Since 2017: BIOMED RESEARCH INTERNATIONAL
- Since 2017: Scientific Reports
- Since 2017: BBA-Molecular Cell Research
- Since 2017: Oncotarget
- Since 2018: Carcinogenesis
- Since 2019: European Journal of Pharmacology
- Since 2019: Frontiers Bioengineering
- Since 2019: Frontiers in Cell and Developmental Biology
- Since 2019: Frontiers in Oncology
- Since 2023: Peadiatric Nephrology

Membro di Società scientifiche

- 2018 ad oggi - Member of the International Society of Extracellular vesicles

- 2020 ad oggi - Member of the Italian Society of Extracellular vesicles

- 2018: Panel reviewer of the EURAMET Review Conferences in Metrology EU.

- 2021: Panel reviewer of the Dutch Kidney Foundation

Le dichiarazioni rese nel presente curriculum sono da ritenersi rilasciate ai sensi degli artt. 46 e 47 del DPR n. 445/2000.

Il presente curriculum, non contiene dati sensibili e dati giudiziari di cui all'art. 4, comma 1, lettere d) ed e) del D.Lgs. 30.6.2003 n. 196.

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Luogo e data: Milano, 22/04/2024