

Prof. Giovanni Camussi

Selected Publications

- Tetta C, Consiglio AL, Bruno S, Tetta E, Gatti E, Dobрева M, Cremonesi F, Camussi G. The role of microvesicles derived from mesenchymal stem cells in tissue regeneration; a dream for tendon repair? **Muscles Ligaments Tendons J.** 2012 Oct 16;2(3):212-21.
- 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 May 9. [Epub ahead of print].
- Tsurkan MV, Hauser PV, Zieris A, Carvalhosa R, Bussolati B, Freudenberg U, Camussi G, Werner C. Growth factor delivery from hydrogel particle aggregates to promote tubular regeneration after acute kidney injury. **J Control Release.** 2013 Feb 8;167(3):248-255.
- Camussi G, Deregibus MC, Cantaluppi V. Role of stem-cell-derived microvesicles in the paracrine action of stem cells. **Biochem Soc Trans.** 2013 Feb 1;41(1):283-7.
- Kalra H, Simpson RJ, Ji H, Aikawa E, Altevogt P, Askenase P, Bond VC, Borràs FE, Breakefield X, Budnik V, Buzas E, Camussi G, et al. Vesiclepedia: a compendium for extracellular vesicles with continuous community annotation. **PLoS Biol.** 2012;10(12):e1001450.
- Rosa AC, Grange C, Pini A, Katebe MA, Benetti E, Collino M, Miglio G, Bani D, Camussi G, Chazot PL, Fantozzi R. Overexpression of histamine H4 receptors in the kidney of diabetic rat. **Inflamm Res.** 2013 Apr;62(4):357-65.
- Kalra H, Simpson RJ, Ji H, Aikawa E, Altevogt P, Askenase P, Bond VC, Borràs FE, Breakefield X, Budnik V, Buzas E, Camussi G, et al. Vesiclepedia: a compendium for extracellular vesicles with continuous community annotation. **PLoS Biol.** 2012;10(12):e1001450. doi: 10.1371/journal.pbio.1001450.
- Bruno S, Camussi G. Role of mesenchymal stem cell-derived microvesicles in tissue repair. **Pediatr Nephrol.** 2013 Feb 6. [Epub ahead of print]
- Mariano F, Camussi G. Unravelling the enigma of proteinuria in burn patients. **Crit Care.** 2012 Dec 5;16(6):184.
- Tetta C, Ghigo E, Silengo L, Deregibus MC, Camussi G. Extracellular vesicles as an emerging mechanism of cell-to-cell communication. **Endocrine.** 2012 Dec 1.[Epub ahead of print] PubMed PMID: 23203002.
- Giaretta F, Bussolino S, Beltramo S, Fop F, Rossetti M, Messina M, Cantaluppi V, Ranghino A, Basso E, Camussi G, Segoloni GP, Biancone L. Different regulatory and cytotoxic CD4+ T lymphocyte profiles in renal transplants with antibody-mediated chronic rejection or long-term good graft function. **Transpl Immunol.** 2013 Jan;28(1):48-56.
- Bussolati B, Camussi G. New Insights into the Renal Progenitor Cells and Kidney Diseases by Studying CD133. **Adv Exp Med Biol.** 2013;777:113-23.

- 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.** 2013 Mar 1;22(5):758-71.
- Giron-Michel J, Azzi S, Ferrini S, Chouaib S, Camussi G, Eid P, Azzarone B. Interleukin-15 is a major regulator of the cell-microenvironment interactions in human renal homeostasis. **Cytokine Growth Factor Rev.** 2013 Feb;24(1):13-22.
- Bruno S, Collino F, Tetta C, Camussi G. Dissecting Paracrine Effectors for Mesenchymal Stem Cells. **Adv Biochem Eng Biotechnol.** 2013;129:137-52.
- Cantaluppi V, Biancone L, Quercia A, Deregibus MC, Segoloni G, Camussi G. Rationale of mesenchymal stem cell therapy in kidney injury. **Am J Kidney Dis.** 2013 Feb;61(2):300-9.
- Biancone L, Bruno S, Deregibus MC, Tetta C, Camussi G. Therapeutic potential of mesenchymal stem cell-derived microvesicles. **Nephrol Dial Transplant.** 2012 Aug;27(8):3037-42.
- Camussi G, Deregibus MC, Tetta C. Tumor-derived microvesicles and the cancer microenvironment. **Curr Mol Med.** 2013 Jan;13(1):58-67.
- 16: Herrera MB, Fonsato V, Bruno S, Grange C, Gilbo N, Romagnoli R, Tetta C, Camussi G. Human liver stem cells improve liver injury in a model of fulminant liver failure. **Hepatology.** 2013 Jan;57(1):311-9.
- 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.
- Bruno S, Camussi G. Isolation and characterization of resident mesenchymal stem cells in human glomeruli. **Methods Mol Biol.** 2012;879:367-80.
- Granata R, Gallo D, Luque RM, Baragli A, Scarlatti F, Grande C, Gesmundo I, Córdoba-Chacón J, Bergandi L, Settanni F, Togliatto G, Volante M, Garetto S, Annunziata M, Chanclón B, Gargantini E, Rocchietto S, Matera L, Datta G, Morino M, Brizzi MF, Ong H, Camussi G, Castaño JP, Papotti M, Ghigo E. Obestatin regulates adipocyte function and protects against diet-induced insulin resistance and inflammation. **FASEB J.** 2012 Aug;26(8):3393-411.
- Miglio G, Rosa AC, Rattazzi L, Grange C, Camussi G, Fantozzi R. Protective effects of peroxisome proliferator-activated receptor agonists on human podocytes: proposed mechanisms of action. **Br J Pharmacol.** 2012 Oct;167(3):641-53.
- Bussolati B, Dekel B, Azzarone B, Camussi G. Human renal cancer stem cells. **Cancer Lett.** 2012 May 12. doi: 10.1016/j.canlet.2012.05.007
- Ranghino A, Cantaluppi V, Grange C, Vitillo L, Fop F, Biancone L, Deregibus MC, Tetta C, Segoloni GP, Camussi G. Endothelial progenitor cell-derived microvesicles improve neovascularization in a murine model of hindlimb ischemia. **Int J Immunopathol Pharmacol.** 2012 Jan-Mar;25(1):75-85.
- Cavallari C, Fonsato V, Herrera MB, Bruno S, Tetta C, Camussi G. Role of Lefty in the anti tumor activity of human adult liver stem cells. **Oncogene.** 2013 Feb 14;32(7):819-26.

- Cantaluppi V, Biancone L, Figliolini F, Beltramo S, Medica D, Deregibus MC, Galimi F, Romagnoli R, Salizzoni M, Tetta C, Segoloni GP, Camussi G. Microvesicles derived from endothelial progenitor cells enhance neoangiogenesis of human pancreatic islets. **Cell Transplant.** 2012;21(6):1305-20.
- 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
- 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.
- Favaro E, Granata R, Miceli I, Baragli A, Settanni F, Cavallo Perin P, Ghigo E, Camussi G, Zanone MM. The ghrelin gene products and exendin-4 promote survival of human pancreatic islet endothelial cells in hyperglycaemic conditions, through phosphoinositide 3-kinase/Akt, extracellular signal-related kinase (ERK)1/2 and cAMP/protein kinase A (PKA) signalling pathways. **Diabetologia.** 2012Apr;55(4):1058-70.
- Cantaluppi V, Gatti S, Medica D, Figliolini F, Bruno S, Deregibus MC, Sordi A, Biancone L, Tetta C, Camussi G. Microvesicles derived from endothelial progenitor cells protect the kidney from ischemia-reperfusion injury by microRNA-dependent reprogramming of resident renal cells. **Kidney Int.** 2012 Aug;82(4):412-27.
- Zanini C, Bruno S, Mandili G, Baci D, Cerutti F, Cenacchi G, Izzi L, Camussi G, Forni M. Differentiation of mesenchymal stem cells derived from pancreatic islets and bone marrow into islet-like cell phenotype. **PLoS One.** 2011;6(12):e28175.
- Collino F, Bruno S, Deregibus MC, Tetta C, Camussi G. MicroRNAs and Mesenchymal Stem Cells. **Vitam Horm.** 2011;87:291-320.
- Azzi S, Bruno S, Giron-Michel J, Clay D, Devocelle A, Croce M, Ferrini S, Chouaib S, Vazquez A, Charpentier B, Camussi G, Azzarone B, Eid P. Differentiation Therapy: Targeting Human Renal Cancer Stem Cells with Interleukin 15. **J Natl Cancer Inst.** 2011 103(24):1884-98.
- Lamorte S, Ferrero S, Aschero S, Monitillo L, Bussolati B, Omedè P, Ladetto M, Camussi G. Syndecan-1 promotes the angiogenic phenotype of multiple myeloma endothelial cells. **Leukemia.** 2011 Oct 25. doi: 10.1038/leu.2011.290. [Epub ahead of print] PubMed PMID: 22024722.
- Camussi G, Deregibus MC, Bruno S, Grange C, Fonsato V, Tetta C. Exosome/microvesicle-mediated epigenetic reprogramming of cells. **Am J Cancer Res.** 2011;1(1):98-110.
- Camussi G, Cantaluppi V, Deregibus MC, Gatti E, Tetta C. Role of microvesicles in acute kidney injury. **Contrib Nephrol.** 2011;174:191-9.
- Dentelli P, Rosso A, Olgasi C, Camussi G, Brizzi MF. IL-3 is a novel target to interfere with tumor vasculature. **Oncogene.** 2011 30(50):4930-40.
- 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.** 2011 302(1):F116-28.

-Carvalhosa R, Deambrosio I, Carrera P, Pasquino C, Rigo F, Ferrari M, Lasaponara F, Ranghino A, Biancone L, Segoloni G, Bussolati B, Camussi G. Cystogenic potential of CD133+ progenitor cells of human polycystic kidneys. **J Pathol**. 2011;225(1):129-41.

-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;71(15):5346-56

-Bussolati B, Grange C, Camussi G. Tumor exploits alternative strategies to achieve vascularization. **FASEB J**. 2011 Sep;25(9):2874-82.

-Sterpone L, Collino F, Camussi G, Loconsole C. Analysis and Clustering of MicroRNA Array: A New Efficient and Reliable Computational Method. **Adv Exp Med Biol**. 2011;696:679-88.

-Gatti S, Bruno S, Deregibus MC, Sordi A, Cantaluppi V, Tetta C, Camussi G. Microvesicles derived from human adult mesenchymal stem cells protect against ischaemia-reperfusion-induced acute and chronic kidney injury. **Nephrol Dial Transplant**. 2011 26(5):1474-83.

-Biancone L, Bussolati B, Mazzucco G, Barreca A, Gallo E, Rossetti M, Messina M, Nuschak B, Fop F, Medica D, Cantaluppi V, Camussi G, Segoloni GP. Loss of nephrin expression in glomeruli of kidney-transplanted patients under m-TOR inhibitor therapy. **Am J Transplant**. 2010;10(10):2270-8.

-Miglio G, Rosa AC, Rattazzi L, Grange C, Collino M, Camussi G, Fantozzi R. The subtypes of peroxisome proliferator-activated receptors expressed by human podocytes and their role in decreasing podocyte injury. **Br J Pharmacol**. 2011 Jan;162(1):111-25.

-Hauser PV, De Fazio R, Bruno S, Sdei S, Grange C, Bussolati B, Benedetto C, Camussi G. Stem cells derived from human amniotic fluid contribute to acute kidney injury recovery. **Am J Pathol**. 2010 Oct;177(4):2011-21.

-Camussi G, Deregibus MC, Bruno S, Cantaluppi V, Biancone L. Exosomes/microvesicles as a mechanism of cell-to-cell communication. **Kidney Int**. 2010; 78(9):838-48

-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.

- Zanone MM, Favaro E, Miceli I, Grassi G, Camussi E, Caorsi C, Amoroso A, Giovarelli M, Perin PC, Camussi G. Human Mesenchymal Stem Cells Modulate Cellular Immune Response to Islet Antigen Glutamic Acid Decarboxylase in Type 1 Diabetes. **J Clin Endocrinol Metab**. 2010 95(8):3788-97.

-Grange C, Geninatti-Crich S, Esposito G, Alberti D, Tei L, Bussolati B, Aime S, Camussi G. Combined delivery and magnetic resonance imaging of neural cell adhesion molecule-targeted doxorubicin-containing liposomes in experimentally induced Kaposi's sarcoma. **Cancer Res**. 2010 Mar 15;70(6):2180-90.

-Cantaluppi V, Weber V, Lauritano C, Figliolini F, Beltramo S, Biancone L, De Cal M, Cruz D, Ronco C, Segoloni GP, Tetta C, Camussi G. Protective effect of resin adsorption on septic plasma-

induced tubular injury. **Crit Care**. 2010;14(1):R4. PubMed PMID: 20064258; PubMed Central PMCID: PMC2875506.

-Coppo R, Fonsato V, Balegno S, Ricotti E, Loiacono E, Camilla R, Peruzzi L, Amore A, Bussolati B, Camussi G. Aberrantly glycosylated IgA1 induces mesangial cells to produce platelet-activating factor that mediates nephrin loss in cultured podocytes. **Kidney Int**. 2010 Mar;77(5):417-27.

- Miceli I, Burt D, Tarabra E, Camussi G, Perin PC, Gruden G. Stretch reduces nephrin expression via an angiotensin II-AT(1)-dependent mechanism in human podocytes: effect of rosiglitazone. **Am J Physiol Renal Physiol**. 2010 Feb;298(2):F381-90.

-Deregibus MC, Tetta C, Camussi G. The dynamic stem cell microenvironment is orchestrated by microvesicle-mediated transfer of genetic information. **Histol Histopathol**. 2010 Mar;25(3):397-404.

-Camussi G, Deregibus MC, Tetta C. Paracrine/endocrine mechanism of stem cells on kidney repair: role of microvesicle-mediated transfer of genetic information. **Curr Opin Nephrol Hypertens**. 2010 Jan;19(1):7-12.

-Herrera MB, Fonsato V, Gatti S, Deregibus MC, Sordi A, Cantarella D, Calogero R, Bussolati B, Tetta C, Camussi G. Human liver stem cell-derived microvesicles accelerate hepatic regeneration in hepatectomized rats. **J Cell Mol Med**. 2009 Jul 24. PubMed PMID: 19650833.

-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

-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 18:867-80.

-Bussolati B, Hauser PV, Carvalhosa R, Camussi G. Contribution of stem cells to kidney repair. **Curr Stem Cell Res Ther**. 2009 Jan;4(1):2-8.

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

-Barutta F, Pinach S, Giunti S, Vittone F, Forbes JM, Chiarle R, Arnstein M, Perin PC, Camussi G, Cooper ME, Gruden G. Heat shock protein expression in diabetic nephropathy. **Am J Physiol Renal Physiol**. 2008;295(6):F1817-24.

-Bussolati B, Grange C, Sapino A, Camussi G. Endothelial cell differentiation of human breast tumour stem/progenitor cells. **J Cell Mol Med**. 2009;13(2):309-319.

-Deambrosis I, Lamorte S, Giaretta F, Tei L, Biancone L, Bussolati B, Camussi G. Inhibition of CD40-CD154 costimulatory pathway by a cyclic peptide targeting CD154. **J Mol Med**. 2009 87(2):181-97

-Cantaluppi V, Biancone L, Romanazzi GM, Figliolini F, Beltramo S, Galimi F, Camboni MG, Deriu E, Conaldi P, Bottelli A, Orlandi V, Herrera MB, Pacitti A, Segoloni GP, Camussi G.

Macrophage Stimulating Protein May Promote Tubular Regeneration after Acute Injury. **J Am Soc Nephrol.** 2008;19(10):1904-18.

-Bussolati B, Bruno S, Grange C, Ferrando U, Camussi G. Identification of a tumor-initiating stem cell population in human renal carcinomas. **FASEB J.** 2008, 22(10):3696-705.

-Favaro E, Miceli I, Bussolati B, Schmitt-Ney M, Cavallo Perin P, Camussi G, Zanone MM. Hyperglycemia induces apoptosis of human pancreatic islet endothelial cells: effects of pravastatin on the Akt survival pathway. **Am J Pathol.** 2008;173(2):442-50.

-Bussolati B, Tetta C, Camussi G. Contribution of Stem Cells to Kidney Repair. **Am J Nephrol.** 2008 Jun 6;28(5):813-822.

-Cantaluppi V, Assenzio B, Pasero D, Romanazzi GM, Pacitti A, Lanfranco G, Puntorieri V, Martin EL, Mascia L, Monti G, Casella G, Segoloni GP, Camussi G, Ranieri VM. Polymyxin-B hemoperfusion inactivates circulating proapoptotic factors. **Intensive Care Med.** 2008, 34:1638-45

-Mariano F, Cantaluppi V, Stella M, Romanazzi GM, Assenzio B, Cairo M, Biancone L, Triolo G, Ranieri VM, Camussi G. Circulating plasma factors induce tubular and glomerular alterations in septic burns patients. **Crit Care.** 2008;12(2):R42. Epub 2008 Mar 25.

-Fagoonee S, Caorsi C, Giovarelli M, Stoltenberg M, Silengo L, Altruda F, Camussi G, Tolosano E, Bussolati B.- Lack of plasma protein hemopexin dampens mercury-induced autoimmune response in mice. **J Immunol.** 2008 Aug 1;181(3):1937-47.

-Collino F, Bussolati B, Gerbaudo E, Marozio L, Pelissetto S, Benedetto C, Camussi G. Pre-eclamptic sera induce nephrin shedding from podocytes through endothelin-1 release by endothelial glomerular cells. **Am J Physiol Renal Physiol.** 2008 294(5):F1185-94.

-Fonsato V, Buttiglieri S, Chiara Deregibus M, Bussolati B, Caselli E, Di Luca D, Camussi G. PAX2 expression by HHV-8-infected endothelial cells induced a proangiogenic and proinvasive phenotype. **Blood.** 2008 Mar 1;111(5):2806-15.

-Burt D, Salvidio G, Tarabra E, Barutta F, Pinach S, Dentelli P, Camussi G, Perin PC, Gruden G. The monocyte chemoattractant protein-1/cognate CC chemokine receptor 2 system affects cell motility in cultured human podocytes. **Am J Pathol.** 2007 Dec;171(6):1789-99.

-Giunti S, Tesch GH, Pinach S, Burt DJ, Cooper ME, Cavallo-Perin P, Camussi G, Gruden G. Monocyte chemoattractant protein-1 has pro-sclerotic effects both in a mouse model of experimental diabetes and in vitro in human mesangial cells. **Diabetologia.** 2008 Jan;51(1):198-207.

-Doublier S, Ceretto M, Lupia E, Bravo S, Bussolati B, Camussi G. The proangiogenic phenotype of tumor-derived endothelial cells is reverted by the overexpression of platelet-activating factor acetylhydrolase. **Clin Cancer Res.** 2007 Oct 1;13(19):5710-8.

-Deregibus MC, Cantaluppi V, Calogero R, Lo Iacono M, Tetta C, Biancone L, Bruno S, Bussolati B, Camussi G. Endothelial progenitor cell derived microvesicles activate an angiogenic program in endothelial cells by a horizontal transfer of mRNA. **Blood.** 2007 Oct 1;110(7):2440-8.

- Herrera MB, Bussolati B, Bruno S, Morando L, Mauriello-Romanazzi G, Sanavio F, Stamenkovic I, Biancone L, Camussi G. Exogenous mesenchymal stem cells localize to the kidney by means of CD44 following acute tubular injury. **Kidney Int.** 2007 Aug;72(4):430-41.
- Zanone MM, Favaro E, Ferioli E, Huang GC, Klein NJ, Perin PC, Peakman M, Conaldi PG, Camussi G. Human pancreatic islet endothelial cells express coxsackievirus and adenovirus receptor and are activated by coxsackie B virus infection. **FASEB J.** 2007 Oct;21(12):3308-17.
- Bussolati B, Camussi G. Stem cells in acute kidney injury. **Contrib Nephrol.** 2007;156:250-8.
- Bussolati B, Grange C, Tei L, Deregibus MC, Ercolani M, Aime S, Camussi G. Targeting of human renal tumor-derived endothelial cells with peptides obtained by phage display. **J Mol Med.** 2007 Aug;85(8):897-906.
- Doublier S, Zennaro C, Spatola T, Lupia E, Bottelli A, Deregibus MC, Carraro M, Conaldi PG, Camussi G. HIV-1 Tat reduces nephrin in human podocytes: a potential mechanism for enhanced glomerular permeability in HIV-associated nephropathy. **AIDS.** 2007 Feb 19;21(4):423-32.
- Piva R, Ruggeri B, Williams M, Costa G, Tamagno I, Ferrero D, Gai V, Coscia M, Peola S, Massaia M, Pezzoni G, Allievi C, Pescalli N, Cassin M, di Giovine S, Nicoli P, de Feudis P, Strepponi I, Roato I, Ferracini R, Bussolati B, Camussi G, Jones-Bolin S, Hunter K, Zhao H, Neri A, Palumbo A, Berkers C, Ovaa H, Bernareggi A, Inghirami G. CEP-18770: A novel, orally active proteasome inhibitor with a tumor-selective pharmacologic profile competitive with bortezomib. **Blood.** 2008;111(5):2765-75.
- Dentelli P, Rosso A, Balsamo A, Colmenares Benedetto S, Zeoli A, Pegoraro M, Camussi G, Pegoraro L, Brizzi MF. C-KIT, by interacting with the membrane-bound ligand, recruits endothelial progenitor cells to inflamed endothelium. **Blood.** 2007;109(10):4264-71.
- Bussolati B, Camussi G. Adult stem cells and renal repair. **J Nephrol.** 2006 Nov-Dec;19(6):706-9. Review.
- 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;169(6):2223-35.
- Geninatti Crich S, Bussolati B, Tei L, Grange C, Esposito G, Lanzardo S, Camussi G, Aime S. Magnetic resonance visualization of tumor angiogenesis by targeting neural cell adhesion molecules with the highly sensitive gadolinium-loaded apoferritin probe. **Cancer Res.** 2006 15;66(18):9196-201.
- Cantaluppi V, Biancone L, Romanazzi GM, Figliolini F, Beltramo S, Ninniri MS, Galimi F, Romagnoli R, Franchello A, Salizzoni M, Perin PC, Ricordi C, Segoloni GP, Camussi G. Antiangiogenic and immunomodulatory effects of rapamycin on islet endothelium: relevance for islet transplantation. **Am J Transplant.** 2006;6(11):2601-11.
- Herrera MB, Bruno S, Buttiglieri S, Tetta C, Gatti S, Deregibus MC, Bussolati B, Camussi G. Isolation and characterization of a stem cell population from adult human liver. **Stem Cells.** 2006;24(12):2840-50.

- Fonsato V, Buttiglieri S, Deregibus MC, Puntorieri V, Bussolati B, Camussi G. Expression of Pax2 in human renal tumor-derived endothelial cells sustains apoptosis resistance and angiogenesis. **Am J Pathol.** 2006 Feb;168(2):706-13
- Bussolati B, Grange C, Bruno S, Buttiglieri S, Deregibus MC, Tei L, Aime S, Camussi G. Neural-cell adhesion molecule (NCAM) expression by immature and tumor-derived endothelial cells favors cell organization into capillary-like structures. **Exp Cell Res.** 2006 Apr 1;312(6):913-24
- Bussolati B, Deregibus MC, Fonsato V, Doublier S, Spatola T, Procida S, Di Carlo F, Camussi G. Statins prevent oxidized LDL-induced injury of glomerular podocytes by activating the phosphatidylinositol 3-kinase/AKT-signaling pathway. **J Am Soc Nephrol.** 2005 Jul;16(7):1936-47.
- Bussolati B, Bruno S, --Grange C, Buttiglieri S, Deregibus MC, Cantino D, Camussi G. Isolation of renal progenitor cells from adult human kidney. **Am J Pathol.** 2005 Feb;166(2):545-55.
- Biancone L, Cantaluppi V, Duo D, Deregibus MC, Torre C, Camussi G. Role of L-selectin in the vascular homing of peripheral blood-derived endothelial progenitor cells. **J Immunol.** 2004 Oct 15;173(8):5268-74.
- Herrera MB, Bussolati B, Bruno S, Fonsato V, Romanazzi GM, Camussi G. Mesenchymal stem cells contribute to the renal repair of acute tubular epithelial injury. **Int J Mol Med.** 2004;14(6):1035-41.
- Biancone L, Cantaluppi V, Del Sorbo L, Russo S, Tjoelker LW, Camussi G. Platelet-activating factor inactivation by local expression of platelet-activating factor acetyl-hydrolase modifies tumor vascularization and growth. **Clin Cancer Res.** 2003 Sep 15;9(11):4214-20.
- Bussolati B, Deambrosis I, Russo S, Deregibus MC, Camussi G. Altered angiogenesis and survival in human tumor-derived endothelial cells. **FASEB J.** 2003 Jun;17(9):1159-61.
- Doublier S, Salvidio G, Lupia E, Ruotsalainen V, Verzola D, Deferrari G, Camussi G. Nephric expression is reduced in human diabetic nephropathy: evidence for a distinct role for glycated albumin and angiotensin II. **Diabetes.** 2003 Apr;52(4):1023-30.
- Deregibus MC, Buttiglieri S, Russo S, Bussolati B, Camussi G. CD40-dependent activation of phosphatidylinositol 3-kinase/Akt pathway mediates endothelial cell survival and in vitro angiogenesis. **J Biol Chem.** 2003 May 16;278(20):18008-14.
- Conaldi PG, Bottelli A, Baj A, Serra C, Fiore L, Federico G, Bussolati B, Camussi G. Human immunodeficiency virus-1 tat induces hyperproliferation and dysregulation of renal glomerular epithelial cells. **Am J Pathol.** 2002 Jul;161(1):53-61.
- Doublier S, Ruotsalainen V, Salvidio G, Lupia E, Biancone L, Conaldi PG, Reponen P, Tryggvason K, Camussi G. Nephric redistribution on podocytes is a potential mechanism for proteinuria in patients with primary acquired nephrotic syndrome. **Am J Pathol.** 2001 May;158(5):1723-31.
- Montrucchio G, Alloati G, Camussi G. Role of platelet-activating factor in cardiovascular pathophysiology. **Physiol Rev.** 2000 Oct;80(4):1669-99.

- Conaldi PG, Bottelli A, Wade-Evans A, Biancone L, Baj A, Cantaluppi V, Serra C, Dolei A, Toniolo A, Camussi G. HIV-persistent infection and cytokine induction in mesangial cells: a potential mechanism for HIV-associated glomerulosclerosis. **AIDS**. 2000 Sep 8;14(13):2045-7.
- Biancone L, Cantaluppi V, Boccellino M, Del Sorbo L, Russo S, Albin A, Stamenkovic I, Camussi G. Activation of CD40 favors the growth and vascularization of Kaposi's sarcoma. **J Immunol**. 1999 Dec 1;163(11):6201-8.
- Battaglia E, Biancone L, Resegotti A, Emanuelli G, Fronda GR, Camussi G. Expression of CD40 and its ligand, CD40L, in intestinal lesions of Crohn's disease. **Am J Gastroenterol**. 1999 Nov;94(11):3279-84.
- Brizzi MF, Battaglia E, Montrucchio G, Dentelli P, Del Sorbo L, Garbarono G, Pegoraro L, Camussi G. Thrombopoietin stimulates endothelial cell motility and neoangiogenesis by a platelet-activating factor-dependent mechanism. **Circ Res**. 1999 Apr 16;84(7):785-96.
- Camussi G, Lupia E. The future role of anti-tumour necrosis factor (TNF) products in the treatment of rheumatoid arthritis. **Drugs**. 1998 May;55(5):613-20.
- Biancone L, Martino AD, Orlandi V, Conaldi PG, Toniolo A, Camussi G. Development of inflammatory angiogenesis by local stimulation of Fas in vivo. **J Exp Med**. 1997 Jul 7;186(1):147-52.
- Albin A, Soldi R, Giunciuglio D, Giraudo E, Benelli R, Primo L, Noonan D, Salio M, Camussi G, Rockl W, Bussolino F. The angiogenesis induced by HIV-1 tat protein is mediated by the Flk-1/KDR receptor on vascular endothelial cells. **Nat Med**. 1996 Dec;2(12):1371-5.
- Montrucchio G, Brizzi MF, Calosso G, Marengo S, Pegoraro L, Camussi G. Effects of recombinant human megakaryocyte growth and development factor on platelet activation. **Blood**. 1996 Apr 1;87(7):2762-8.
- Camussi G, Montrucchio G, Lupia E, De Martino A, Perona L, Arese M, Vercellone A, Toniolo A, Bussolino F. Platelet-activating factor directly stimulates in vitro migration of endothelial cells and promotes in vivo angiogenesis by a heparin-dependent mechanism. **J Immunol**. 1995 Jun 15;154(12):6492-501.
- Montrucchio G, Lupia E, Battaglia E, Passerini G, Bussolino F, Emanuelli G, Camussi G. Tumor necrosis factor alpha-induced angiogenesis depends on in situ platelet-activating factor biosynthesis. **J Exp Med**. 1994 Jul 1;180(1):377-82.
- Mezzano S, Kunick M, Olavarria F, Ardiles L, Montrucchio G, Silvestro L, Biancone L, Camussi G. Detection of platelet-activating factor in plasma of patients with streptococcal nephritis. **J Am Soc Nephrol**. 1993 Aug;4(2):235-42.
- Montrucchio G, Alloati G, Mariano F, Comino A, Cacace G, Polloni R, De Filippi PG, Emanuelli G, Camussi G. Role of platelet-activating factor in polymorphonuclear neutrophil recruitment in perfused ischemic rabbit heart. **Am J Pathol**. 1993 Feb;142(2):471-80.
- Tufano MA, Tetta C, Biancone L, Iorio EL, Baroni A, Giovane A, Camussi G. Salmonella typhimurium porins stimulate platelet-activating factor synthesis by human polymorphonuclear neutrophils. **J Immunol**. 1992 Aug 1;149(3):1023-30.

- Herrick-Davis K, Camussi G, Bussolino F, Baglioni C. Modulation of neurite outgrowth in neuroblastoma cells by protein kinase C and platelet-activating factor. **J Biol Chem.** 1991 Oct 5;266(28):18620-5.
- Camussi G, Turello E, Bussolino F, Baglioni C. Tumor necrosis factor alters cytoskeletal organization and barrier function of endothelial cells. **Int Arch Allergy Appl Immunol.** 1991;96(1):84-91.
- Camussi G, Tetta C, Bussolino F, Baglioni C. Antiinflammatory peptides (antiflammins) inhibit synthesis of platelet-activating factor, neutrophil aggregation and chemotaxis, and intradermal inflammatory reactions. **J Exp Med.** 1990 Mar 1;171(3):913-27.
- Montrucchio G, Alloati G, Tetta C, De Luca R, Saunders RN, Emanuelli G, Camussi G. Release of platelet-activating factor from ischemic-reperfused rabbit heart. **Am J Physiol.** 1989 Apr;256(4 Pt 2):H1236-46.
- Camussi G, Tetta C, Bussolino F, Baglioni C. Synthesis and release of platelet-activating factor is inhibited by plasma alpha 1-proteinase inhibitor or alpha 1-antichymotrypsin and is stimulated by proteinases. **J Exp Med.** 1988 Oct 1;168(4):1293-306.
- Bussolino F, Camussi G, Baglioni C. Synthesis and release of platelet-activating factor by human vascular endothelial cells treated with tumor necrosis factor or interleukin 1 alpha. **J Biol Chem.** 1988 Aug 25;263(24):11856-61.
- Camussi G, Salvidio G, Biesecker G, Brentjens J, Andres G. Heymann antibodies induce complement-dependent injury of rat glomerular visceral epithelial cells. **J Immunol.** 1987 Nov 1;139(9):2906-14.
- Camussi G, Bussolino F, Salvidio G, Baglioni C. Tumor necrosis factor/cachectin stimulates peritoneal macrophages, polymorphonuclear neutrophils, and vascular endothelial cells to synthesize and release platelet-activating factor. **J Exp Med.** 1987 Nov 1;166(5):1390-404.
- Camussi G, Niesen N, Tetta C, Saunders RN, Milgrom F. Release of platelet-activating factor from rabbit heart perfused in vitro by sera with transplantation alloantibodies. **Transplantation.** 1987 Jul;44(1):113-8.
- Bussolino F, Gremo F, Tetta C, Pescarmona GP, Camussi G. Production of platelet-activating factor by chick retina. **J Biol Chem.** 1986 Dec 15;261(35):16502-8.
- Camussi G, Tetta C, Meroni M, Torri-Tarelli L, Roffinello C, Alberton A, Deregibus C, Sessa A. Localization of cationic proteins derived from platelets and polymorphonuclear neutrophils and local loss of anionic sites in glomeruli of rabbits with experimentally-induced acute serum sickness. **Lab Invest.** 1986 Jul;55(1):56-62
- Malavasi F, Tetta C, Funaro A, Bellone G, Ferrero E, Franzone AC, Dellabona P, Rusci R, Matera L, Camussi G. Fc receptor triggering induces expression of surface activation antigens and release of platelet-activating factor in large granular lymphocytes. **Proc Natl Acad Sci U S A.** 1986 Apr;83(8):2443-7.
- Camussi G. Potential role of platelet-activating factor in renal pathophysiology. **Kidney Int.** 1986 Feb;29(2):469-77.

- Camussi G, Brentjens JR, Noble B, Kerjaschki D, Malavasi F, Roholt OA, Farquhar MG, Andres G. Antibody-induced redistribution of Heymann antigen on the surface of cultured glomerular visceral epithelial cells: possible role in the pathogenesis of Heymann glomerulonephritis. **J Immunol.** 1985 Oct;135(4):2409-16.
- Barba LM, Caldwell PR, Downie GH, Camussi G, Brentjens JR, Andres G. Lung injury mediated by antibodies to endothelium. I. In the rabbit a repeated interaction of heterologous anti-angiotensin-converting enzyme antibodies with alveolar endothelium results in resistance to immune injury through antigenic modulation. **J Exp Med.** 1983 Dec 1;158(6):2141-58.
- Camussi G, Aglietta M, Malavasi F, Tetta C, Piacibello W, Sanavio F, Bussolino F. The release of platelet-activating factor from human endothelial cells in culture. **J Immunol.** 1983 Nov;131(5):2397-403.
- Camussi G, Pawlowski I, Tetta C, Roffinello C, Alberton M, Brentjens J, Andres G. Acute lung inflammation induced in the rabbit by local instillation of 1-O-octadecyl-2-acetyl-sn-glycerol-3-phosphorylcholine or of native platelet-activating factor. **Am J Pathol.** 1983 Jul;112(1):78-88.
- Camussi G, Tetta C, Segoloni G, Coda R, Vercellone A. Localization of neutrophil cationic proteins and loss of anionic charges in glomeruli of patients with systemic lupus erythematosus glomerulonephritis. **Clin Immunol Immunopathol.** 1982 Sep;24(3):299-314.
- Camussi G, Rotunno M, Segoloni G, Brentjens JR, Andres GA. In vitro alternative pathway activation of complement by the brush border of proximal tubules of normal rat kidney. **J Immunol.** 1982 Apr;128(4):1659-63.
- Camussi G, Tetta C, Deregibus MC, Bussolino F, Segoloni G, Vercellone A. Platelet-activating factor (PAF) in experimentally-induced rabbit acute serum sickness: role of basophil-derived PAF in immune complex deposition. **J Immunol.** 1982 Jan;128(1):86-94
- Camussi G, Aglietta M, Coda R, Bussolino F, Piacibello W, Tetta C. Release of platelet-activating factor (PAF) and histamine. II. The cellular origin of human PAF: monocytes, polymorphonuclear neutrophils and basophils. **Immunology.** 1981 Feb;42(2):191-9.
- Camussi G, Cappio FC, Tetta C. Complement-induced granulocyte aggregation. **N Engl J Med.** 1980 Jul 31;303(5):285-6.
- Camussi G, Mencia-Huerta JM, Benveniste J. Release of platelet-activating factor and histamine. I. Effect of immune complexes, complement and neutrophils on human and rabbit mastocytes and basophils. **Immunology.** 1977 Oct;33(4):523-34.