## PERSONAL INFORMATION

## Stefania Bruno



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## Sex F | Date of birth 11/11/1974 | Nationality Italian

[	Enterprise	University		EPR
	Management Level	□ Full professor		Research Director and 1st level Technologist / First Researcher and 2nd level Technologist
	Mid-Management Level	Associate Pro	fessor	Level III Researcher and Technologist
	Employee / worker level	Researcher a level / Technical d	nd Technologist of IV, V, VI and VII collaborator	Researcher and Technologist of IV, V, VI and VII level / Technical collaborator
v	VORK EXPERIENCE			
М	larch 2022 – until now	Associate Professor of Laborator University of Torino, Department of I della Scienza, Molinette Hospital Isolation and characterization of ex and <i>in vivo</i> models of renal and he	<b>y Medicine (Med-46)</b> Medical Sciences, Laboratory of xtracellular vesicles from differen patic fibrosis	Translational Research, Città della Salute e t sources and their application in different <i>in vitro</i>
October 2020 - February 2022		<ul> <li>Assistant Professor of Laboratory Medicine (Med-46)</li> <li>University of Torino, Department of Medical Sciences, Laboratory of Translational Research, Città della Salute e della Scienza, Molinette Hospital.</li> <li>Isolation and characterization of extracellular vesicles from different sources of stem cells and their application in different experimental animal models of renal and hepatic fibrosis</li> </ul>		
December 207	17 – September 2020	Assistant Professor of Nephrolog University of Torino, Department of I Città della Salute e della Scienza. In vitro and in vivo model	<b>yy (Med-14)</b> Medical Sciences, Laboratory of Is of hepatic fibrosis to test anti-fi	Renal Immunopathology, Molinette Hospital, brotic activity of extra-cellular vesicles
October 2011 – November 2017 2008 – 2011 2003 – 2007		Assistant Professor of Nephrolog University of Torino, Department of I Biotechnology Center. Role of extracellular vesic injuries of kidney and live Anti-tumor activity of stem Immunomodulation capa Engineering of stem cell-	<b>gy (Med-14)</b> Molecular Biotechnology and He cles from different sources in tiss or n cell extra-cellular vesicles ncities of hepatic stem cells derived extra-cellular vesicles to	althy Science, Stem Cell Laboratory, Molecular sue regeneration in different models of acute increase their regenerative capacity
		Co.Co. Pro with Sis. Ter S.p.A. University of Torino, Department of I Role of the human bor experimental acute kidne	nternal Medicine, Molecular Biot ne marrow mesenchymal stem ay injury	echnology Center cells in tissue regeneration after induction of
		PostDoctoral Fellowship University of Torino, Department of I Isolation and characteriza	nternal Medicine, Laboratory of ation of stem cells from different	Renal Immunopathology, Molinette Hospital. human tissues and tumors
EDUCAT	ION AND TRAINING			
	2007 – 2011	Specialization in Clinical Biochen University of Torino, Italy • Microvesicles derived from human reperfusion-induced acute and chr	n <b>istry</b> n adult bone marrow mesenchyn ronic kidney injury.	nal stem cells protect against ischemia-
	2000 - 2004	PhD in Human Oncology University of Torino, IRCC, Candiolo • Megakaryocyte reconstitution: con stem cells	) (TO). nparison between CD34+ cells fi	orm umbilical cord blood and ex-vivo expanded
	1993 - 1999	Degree in Biological Science University of Torino, IRCC, Candiolo	9 (TO).	

- Cytofluorimetric evaluation of hematopoietic stem cells from umbilical cord blood capable of in vivo repopulation

capacity: relevance of ex-vivo expansion.

PERSONAL SKILLS		
Job-related skills	Cell culture techniques Extracellular vesicles purification and characterizathion with different techniques Flow cytometric analyses of different cell populations and of extra-cellular vesicles Molecular biology techniques: protein, DNA and RNA purification, RNA retro-transcription, PCR and real time PCR analyses, western blot analyses Analyses of histological slides with different staining techniques	
Invited presentations	<ul> <li>Gordon Conference 2016, Sunday River, Newry, ME, USA: "Mesenchymal stromal cell derived extracellular vesicles facilitate the repair of renal injury".</li> <li>7<sup>th</sup> meeting of the forum of Italian Researchers on MSC 2016, Milano, Italy: "Effects of mesenchymal stromal cell-derived extra-cellular vesicles on tumor growth"</li> <li>Select Biosciences Conference on Extracellular Vesicles", 2017, Cambridge UK: "Renal Regenerative Potential of Different Extracellular Vesicle Populations Derived from BM-MSCs".</li> <li>Joint International Xenotransplantation Association and Cell Transplant and Regenerative Medicine Society", Virtual Congress, 2021: "Extracellular vesicles to repair the diseased liver".</li> <li>Gordon Conference, 2022, Sunday River, Newry, ME, USA: "Extracellular vesicles derived from human liver stem cells attenuate chronic renal injury in two different animal models of chronic kidney disease"</li> <li>Annual Conference 2022 of the Italian Group of Mesenchymal Cells (GISM): "Translational lab-to-clinic hurdles in therapy with MSC-EVs".</li> </ul>	
Patents	<ul> <li>-International patent: Bruno Stefania, Herrera Maria Betariz, Fonsato Valentina, Camussi Giovanni, Tetta Ciro. (2011).</li> <li>"Microvesicles (MVs) derived from adult stem cells for use in the therapeutic treatment of a tumor disease".</li> <li>WO2011107437 (A1)</li> <li>-International patent: Camussi Giovanni, Bruno Stefania, Bussolati Benedetta (2011). "Isolated multipotent mesenchymal stem cells from human adult glomeruli (HGL-MSC), a method of preparing thereof and uses thereof in the regenerative medicine of the kidney". US2011256111 (A1), EP2186883 (A1)</li> </ul>	
ADDITIONAL INFORMATION		
	Total number of publications in peer-review journals last 10 years: 44 Total Impact Factor (IF) (average IF/paper) last 10 years: 266 (6/paper) Total number of citations: 6713 H index: 45	
Relevant Publications	<ol> <li>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. doi: 10.1002/hep.25986.</li> <li>Collino F*, Bruno S*, Incarnato D, Dettori D, Neri F, Provero P, Pomatto M, Oliviero S, Tetta C, Quesenberry PJ, Camussi G. AKI Recovery Induced by Mesenchymal Stromal Cell-Derived Extracellular Vesicles Carrying MicroRNAs. J Am Soc Nephrol. 2015;26(10):2349-60. (*equally contributed). doi: 10.1681/ASN.2014070710.</li> <li>Hasmim M*, Bruno S*, Azzi S, Galleme C, Michel JG, Chiabotto G, Lecoz V, Romei C, Spaggiari GM, Pezzolo A, Pistoia V, Angevin E, Gad S, Ferlicot S, Messai Y, Kieda C, Clay D, Sabatini F, Escudier B, Camussi G, Eid P, Azzarone B, Chouab S. Isolation and characterization of renal cancer stem cells from patient-derived xenografts. Oncotarget .2016;7(13):15507- 24. (*equally contributed). doi: 10.18632/oncotarget.6266.</li> <li>Bruno S, Grange C, Tapparo M, Pasquino C, Romagnoli R, Dametto E, Amoroso A, Tetta C, Camussi G, Human Liver Stem Cells Suppress T-Cell Proliferation, NKActivity, and Dendritic Cell Differentiation. Stem Cells Int. 2016;2(13):15607- 24. (*equally contributed). doi: 10.18632/oncotarget.2016;7(13):15607- 24. (*equally contributed). doi: 10.1186/s13287-017-0478-5.</li> <li>Ranghino A, Bruno S, Bussolati B, Moggio A, Dimuccio V, Tapparo M, Biancone L, Gontero P, Frea B, Camussi G, The effects of glomerular and tubular renal progenitors and derived extracellular vesicles on recovery from acute kidney injury. Stem Cell Res Ther. 2017; 7;8(1):24. doi: 10.1186/s13287-017-0478-5.</li> <li>Bruno S, Tapparo M, Collino F, Toljiatot G, Deregibus MC, Soares Lindoso R, Neri F, Kholia S, Giunti S, Wen S, Quesenberry P, Camussi G. Renal Regenerative Potential of Different Extracellular Vesicle Populations Derived from Son Marrow Mesenchymal Stromal Cells. Tissue Eng PartA. 2017 Jun 13. doi: 10.1089/ten.TEA.2017.0069.</li>     &lt;</ol>	