



PERSONAL INFORMATION Cesarina Giallongo

 Affiliation
University of Catania/Department of Biomedical and Biotechnological Sciences
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Sex F | Date of birth 15/11/1982 | Nationality Italy

WORK EXPERIENCE

Date (from 09/2025 to today)	Assistant Professor (RTD-B) in Biochemistry BIOS-07/A Department of Biomedical and Biotechnological Sciences School of Medicine, University of Catania, Catania (CT), Italy
Date (from 04/2020- to 04/2025)	Assistant Professor (RTD-A) in Hematology MEDS-09 Department of Medical, Surgical Sciences and advanced technologies "G.F. Ingrassia", University of Catania, Catania (CT), Italy
Date (from 2017-2020)	Research Fellowship - AUO Policlinico Vittorio Emanuele, Section of Hematology; University of Catania; Catania, Italy
Date (from 2014-2017)	Ph.D. student - Department of Biomedical and Biotechnological Sciences, University of Catania; Catania, Italy
Date (from 2011-2013)	Research Fellowship - Department of Clinical and Molecular Biomedicine; Section of Hematology; University of Catania; Catania, Italy
Date (from 2006-2011)	Research Fellowship - Azienda ospedaliera Vittorio Emanuele, Division of Hematology; University of Catania; Catania, Italy

EDUCATION AND TRAINING

2017	Ph.D. program in Basic and Applied Biomedical Sciences, Department of Biomedical and Biotechnological Sciences, University of Catania, Catania, Italy
2011	Specialist in Clinical Biochemistry, University of Messina, Messina, Italy
2006	Master degree in Sanitary Biology, University of Catania, Catania, Italy
2004	Bachelor degree in Biological Sciences, University of Catania, Catania, Italy

WORK ACTIVITIES

Awards	November 2019: Under40 in Hematology 2019 (Best poster). Title of the project: "Inhibition of TLR4 signaling overcomes bortezomib resistance in myeloma". November 2022: Top 5 of USERN (Universal Scientific Education and Research Network)2022 in the field of Medical Science. Title of the project "Epigenetic and metabolic reprogramming of mesenchymal stromal cells in myelodysplastic syndromes and acute myeloid leukemia".
Editorial activity	Editorial board in: Frontiers in Physiology; Experimental Pharmacology and Drug Discovery

Selected Lectures

- "Incontro Annuale delle U. O. di Ematologia e Centri Trapianto dell'Italia Meridionale e Insulare"; title of presentation: "L'imatinib aumenta la citotossicità del melfalan e la loro combinazione migliora il killing delle cellule leucemiche umane"; Matera, 10 November 2009.
- "Ragionando di leucemia mieloide cronica: ricercatori italiani a confronto"; title of presentation: "Ruolo delle cellule mieloide soppressorie nella leucemia mieloide cronica"; Catania, 11 July 2013.
- Oral communication 45° congress of Società italiana di Ematologia (SIE); title of presentation: "Le cellule staminali mesenchimali (MSC) dei pazienti con leucemia mieloide cronica regolano l'attivazione delle cellule mieloidi soppressorie di tipo granulocitario"; Firenze, 6 October 2015.
 - "Under 40 in hematology-giovani ematologi a confronto"; title of presentation: "Granulocyte-like myeloid derived suppressor cells (G-MDSC) are increased in multiple myeloma and are driven by dysfunctional mesenchymal stem cells (MSC)"; Villafranca di Verona (VR), 12 November 2015.
 - "Novel Insights in Biology of Myeloma: seed and soil"; title of presentation: "Role of microenvironment in immune escape mechanisms in multiple myeloma"; Catania, 11 February 2017.
 - "In vivo modelling of hematological malignancies: from bench to bedside"; title of presentation: "Mesenchymal stromal cells drive tumor microenvironment transformation in hematological malignancies"; Catania, 31 January-1 February 2020.
 - "Novel translational approaches hematological malignancies: from bench to bedside"; title of presentation: "Interplay between metabolism and epigenetics in tumor reprogramming on mesenchymal stromal cells in myelodysplastic syndrome"; Catania, 6 November 2021.
 - Oral Communication 8h ESH conference on MYELODYSPLASTIC SYNDROMES; title of presentation: "Interplay between inflammation and epigenetics in tumor reprogramming of mesenchymal stromal cells (MSCs) in myelodysplastic syndromes (MDS)"; 7 April 2022. Virtual event.
 - Big Faculty member of "SOHO ITALY- Clinical and Biological School of Acute Leukemia"; Rome, 28-29 June 2022.
 - Big Faculty member of "SOHO ITALY- Annual Conference"; Rome, 23-26 October 2022.
 - Oral Communication 17h International Congress on Myelodysplastic Syndromes; title of presentation: "MACROH2A1.1 SITS AT THE INTERPLAY BETWEEN EPIGENETICS AND INFLAMMATION OF MESENCHYMAL STROMAL CELLS IN MYELODYSPLASTIC SYNDROMES"; Marseille, France, 3 May 2023.

ADDITIONAL INFORMATION

SCOPUS source

total number of publications in peer-review journals: 90

total number of citations: 2593

H index: 33

Publications

Title	Authors	Journal/Book	Publication Year
Prothrombotic profiles in myelofibrosis: Fibrinogen oxidation and the beneficial effects of ruxolitinib	Nencini F, La Spina E, Borghi S, Giurranna E, Argento FR, Fini E, Giallongo C, Duminuco A, Volti GL, Palumbo GA, Taddei N, Fiorillo C, Tibullo D, Becatti M.	Thromb Res	2025
Mitochondrial fission factor drives an actionable metabolic vulnerability in multiple myeloma	Cantafio MEG, Valentino I, Torcasio R, Ganino L, Veneziano C, Murfone P, Mesuraca M, Perrotta I, Tallarigo F, Agosti V, De Marco C, Pasqua T, Giallongo C, Cappello AR, Fiorillo M, Gentile M, Tibullo D, Viglietto G, Neri A, Amodio N.	Haematologica	2025
Targeted metabolomic evaluation of peripheral blood mononucleated cells from patients with PMM2-CDG	Mangione R, Ciriagnolo L, Saab MW, Pettinato F, Barbato A, Distefano A, Spina E, Lazzarino G, Volti GL, Longhitano L, Tibullo D, Pittalà A, Giallongo C, Di Pietro V, Tabbi G, Longo SA, Graziani A, Tavazzi B, Amorini AM, Lazzarino G, Barone R.	Sci Rep	2025
Purine metabolism rewiring improves glioblastoma susceptibility to temozolomide treatment	D'Aprile S, Denaro S, Torrisi F, Longhitano L, Giallongo S, Giallongo C, Bontempi V, Bucolo C, Drago F, Mione MC, Li Volti G, Potokar M, Jorgačevski J, Zorec R, Tibullo D, Amorini AM, Vicario N, Parenti R.	Cell Death Dis	2025
Targeting Acetyl-CoA Carboxylase Suppresses De Novo Lipogenesis and Tumor Cell Growth in Multiple Myeloma	Morelli E, Ribeiro CF, Rodrigues SD, Gao C, Socciarelli F, Maisano D, Favasuli V, Liu N, Todoerti K, Chakraborty C, Yao Y, Fulcinitti M, Samur M, Aktas-Samur A, Amodio N, Turi M, Barello F, Penailillo J, Giallongo C, Romano A, Gulla A, Anderson KC, Inghirami G, Munshi NC, Loda M.	Clin Cancer Res	2025
Immune Response and Breakthrough Infection Risk After SARS-CoV-2 Vaccines in Patients with Hemoglobinopathy: A Single Center Experience	Duminuco A, Bulla A, Rosso R, Romeo MA, Cambria D, La Spina E, Ximenes B, Giallongo C, Tibullo D, Romano A, Raimondo FD, Palumbo GA.	Vaccines (Basel)	2025
Rebalancing Immune Interactions within the Brain-Spleen Axis Mitigates Neuroinflammation in an Aging Mouse Model of Alzheimer's Disease	Cantone AF, Burgaletto C, Di Benedetto G, Gaudio G, Giallongo C, Caltabiano R, Broggi G, Bellanca CM, Cantarella G, Bernardini R.	J Neuroimmune Pharmacol	2025
Lactate accumulation promotes immunosuppression and fibrotic transformation of bone marrow microenvironment in myelofibrosis	Spampinato M, Giallongo C, Giallongo S, Spina E, Duminuco A, Longhitano L, Caltabiano R, Salvatorelli L, Broggi G, Pricoco EP, Del Fabro V, Dulcamare I, Di Mauro AM, Romano A, Di Raimondo F, Li Volti G, Palumbo GA, Tibullo D.	J Transl Med	2025
Glioblastoma mesenchymal subtype enhances antioxidant defence to reduce susceptibility to ferroptosis	D'Aprile S, Denaro S, Lavoro A, Candido S, Giallongo S, Torrisi F, Salvatorelli L, Lazzarino G, Amorini AM, Lazzarino G, Magro G, Tibullo D, Libra M, Giallongo C, Vicario N, Parenti R.	Sci Rep	2024
Immune responses to oligomeric α -synuclein in Parkinson's disease peripheral blood mononuclear cells	Vega-Benedetti AF, Porcedda C, Ercoli T, Fusco G, Burgaletto C, Pillai R, Palmas F, Cantone AF, Angius F, Solla P, De Simone A, Cantarella G, Giallongo C, Sogos V, Defazio G, Carta AR.	J Neurol	2024
Targeted Metabolomics Highlights Dramatic Antioxidant Depletion, Increased Oxidative/Nitrosative Stress and Altered Purine and Pyrimidine Concentrations in Serum of Primary Myelofibrosis Patients	Mangione R, Giallongo C, Duminuco A, La Spina E, Longhitano L, Giallongo S, Tibullo D, Lazzarino G, Saab MW, Sbriglione A, Palumbo GA, Graziani A, Alanazi AM, Di Pietro V, Tavazzi B, Amorini AM, Lazzarino G.	Antioxidants (Basel)	2024
ACVR1: A Novel Therapeutic Target to Treat Anemia in Myelofibrosis	Duminuco A, Chifotides HT, Giallongo S, Giallongo C, Tibullo D, Palumbo GA.	Cancers (Basel)	2023
Engagement of Mesenchymal Stromal Cells in the Remodeling of the Bone Marrow Microenvironment in Hematological Cancers	Giallongo S, Duminuco A, Dulcamare I, Zuppelli T, La Spina E, Scandura G, Santisi A, Romano A, Di Raimondo F, Tibullo D, Palumbo GA, Giallongo C.	Biomolecules	2023
Correction: Carota et al. Neuroprotective Role of α -Lipoic Acid in Iron-Overload-Mediated Toxicity and Inflammation in In Vitro and In Vivo Models. Antioxidants 2022, 11, 1596	Carota G, Distefano A, Spampinato M, Giallongo C, Broggi G, Longhitano L, Palumbo GA, Parenti R, Caltabiano R, Giallongo S, Di Rosa M, Polosa R, Bramanti V, Vicario N, Li Volti G, Tibullo D.	Antioxidants (Basel)	2023

Anaplastic thyroid cancer cells reduce CD71 levels to increase iron overload tolerance	D'Aprile S, Denaro S, Pavone AM, Giallongo S, Giallongo C, Distefano A, Salvatorelli L, Torrisi F, Giuffrida R, Forte S, Tibullo D, Li Volti G, Magro G, Vicario N, Parenti R.	J Transl Med	2023
The Pleiotropic Effects of Fumarate: From Mitochondrial Respiration to Epigenetic Rewiring and DNA Repair Mechanisms	Giallongo S, Costa F, Longhitano L, Giallongo C, Ferrigno J, Tropea E, Vicario N, Li Volti G, Parenti R, Barbagallo I, Bramanti V, Tibullo D.	Metabolites	2023
The pharmacotherapeutic management of patients with myelofibrosis: looking beyond JAK inhibitors	Duminuco A, Vetro C, Giallongo C, Palumbo GA.	Expert Opin Pharmacother	2023
Clinical outcome of SARS-CoV-2 infections occurring in multiple myeloma patients after vaccination and prophylaxis with tixagevimab/cilgavimab	Duminuco A, Romano A, Leotta D, La Spina E, Cambria D, Bulla A, Del Fabro V, Tibullo D, Giallongo C, Palumbo GA, Conticello C, Di Raimondo F.	Front Oncol	2023
Myelofibrosis and Survival Prognostic Models: A Journey between Past and Future	Duminuco A, Nardo A, Giuffrida G, Leotta S, Markovic U, Giallongo C, Tibullo D, Romano A, Di Raimondo F, Palumbo GA.	J Clin Med	2023
Mesenchymal stromal cells in tumor microenvironment remodeling of BCR-ABL negative myeloproliferative diseases	La Spina E, Giallongo S, Giallongo C, Vicario N, Duminuco A, Parenti R, Giuffrida R, Longhitano L, Li Volti G, Cambria D, Di Raimondo F, Musumeci G, Romano A, Palumbo GA, Tibullo D.	Front Oncol	2023
Ruxolitinib treatment in myelofibrosis and polycythemia vera causes suboptimal humoral immune response following standard and booster vaccination with BNT162b2 mRNA COVID-19 vaccine	Palumbo GA, Cambria D, La Spina E, Duminuco A, Laneri A, Longo A, Vetro C, Giallongo S, Romano A, Di Raimondo F, Tibullo D, Giallongo C.	Front Oncol	2023
Lactate trafficking inhibition restores sensitivity to proteasome inhibitors and orchestrates immunomicroenvironment in multiple myeloma	Barbato A, Giallongo C, Giallongo S, Romano A, Scandura G, Concetta S, Zuppelli T, Lolicato M, Lazzarino G, Parrinello N, Del Fabro V, Fontana P, Aguennoz M, Li Volti G, Palumbo GA, Di Raimondo F, Tibullo D.	Cell Prolif	2023
Lactate Rewrites the Metabolic Reprogramming of Uveal Melanoma Cells and Induces Quiescence Phenotype	Longhitano L, Giallongo S, Orlando L, Broggi G, Longo A, Russo A, Caltabiano R, Giallongo C, Barbagallo I, Di Rosa M, Giuffrida R, Parenti R, Li Volti G, Vicario N, Tibullo D.	Int J Mol Sci	2022
Prediction of Survival and Prognosis Migration from Gold-Standard Scores in Myelofibrosis Patients Treated with Ruxolitinib Applying the RR6 Prognostic Model in a Monocentric Real-Life Setting	Duminuco A, Nardo A, Garibaldi B, Vetro C, Longo A, Giallongo C, Di Raimondo F, Palumbo GA.	J Clin Med	2022
The Role of Epigenetics in Neuroinflammatory-Driven Diseases	Giallongo S, Longhitano L, Denaro S, D'Aprile S, Torrisi F, La Spina E, Giallongo C, Mannino G, Lo Furno D, Zappalà A, Giuffrida R, Parenti R, Li Volti G, Tibullo D, Vicario N.	Int J Mol Sci	2022
Neuroprotective Role of α -Lipoic Acid in Iron-Overload-Mediated Toxicity and Inflammation in In Vitro and In Vivo Models	Carota G, Distefano A, Spampinato M, Giallongo C, Broggi G, Longhitano L, Palumbo GA, Parenti R, Caltabiano R, Giallongo S, Di Rosa M, Polosa R, Bramanti V, Vicario N, Li Volti G, Tibullo D.	Antioxidants (Basel)	2022
Chitinase domain containing 1 increase is associated with low survival rate and M0 macrophages infiltrates in colorectal cancer patients	Castrogiovanni P, Barbagallo I, Imbesi R, Musumeci G, Sanfilippo C, Broggi G, Caltabiano R, Tibullo D, Giallongo C, Forte S, Li Volti G, Di Rosa M.	Pathol Res Pract	2022
Correction to: Lactate modulates microglia polarization via IGFBP6 expression and remodels tumor microenvironment in glioblastoma	Longhitano L, Vicario N, Forte S, Giallongo C, Broggi G, Caltabiano R, Barbagallo GMV, Altieri R, Raciti G, Di Rosa M, Caruso M, Parenti R, Liso A, Busi F, Lolicato M, Mione MC, Li Volti G, Tibullo D.	Cancer Immunol Immunother	2023
Lactate modulates microglia polarization via IGFBP6 expression and remodels tumor microenvironment in glioblastoma	Longhitano L, Vicario N, Forte S, Giallongo C, Broggi G, Caltabiano R, Barbagallo GMV, Altieri R, Raciti G, Di Rosa M, Caruso M, Parenti R, Liso A, Busi F, Lolicato M, Mione MC, Li Volti G, Tibullo D.	Cancer Immunol Immunother	2023
Lactate Induces the Expressions of MCT1 and HCAR1 to Promote Tumor Growth and Progression in Glioblastoma	Longhitano L, Vicario N, Tibullo D, Giallongo C, Broggi G, Caltabiano R, Barbagallo GMV, Altieri R, Baghini M, Di Rosa M, Parenti R, Giordano A, Mione MC, Li Volti G.	Front Oncol	2022
In-vitro NET-osis induced by COVID-19 sera is associated to severe clinical course in not vaccinated patients and immune-dysregulation in breakthrough infection	Romano A, Parrinello NL, Barchitta M, Manuele R, Puglisi F, Maueri A, Barbato A, Triolo AM, Giallongo C, Tibullo D, La Ferla L, Botta C, Siragusa S, Iacobello C, Montineri A, Volti GL, Agodi A, Palumbo GA, Di Raimondo F.	Sci Rep	2022
IGFBP-6: At the Crossroads of Immunity, Tissue Repair and Fibrosis	Liso A, Venuto S, Coda ARD, Giallongo C, Palumbo GA, Tibullo D.	Int J Mol Sci	2022
TLR4 Signaling and Heme Oxygenase-1/Carbon Monoxide Pathway Crosstalk Induces Resiliency of Myeloma Plasma Cells to Bortezomib Treatment	Scandura G, Giallongo C, Puglisi F, Romano A, Parrinello NL, Zuppelli T, Longhitano L, Giallongo S, Di Rosa M, Musumeci G, Motterlini R, Foresti R, Palumbo GA, Li Volti G, Di Raimondo F, Tibullo D.	Antioxidants (Basel)	2022
CXCL12/CXCR4 axis supports mitochondrial trafficking in tumor myeloma microenvironment	Giallongo C, Dulcamare I, Tibullo D, Del Fabro V, Vicario N, Parrinello N, Romano A, Scandura G, Lazzarino G, Conticello C, Li Volti G, Amorini AM, Musumeci G, Di Rosa M, Polito F, Oteri R, Aguennoz M, Parenti R, Di Raimondo F, Palumbo GA.	Oncogenesis	2022

Activity-Dependent Neuroprotective Protein (ADNP)-Derived Peptide (NAP) Counteracts UV-B Radiation-Induced ROS Formation in Corneal Epithelium	Maugeri G, D'Amico AG, Giunta S, Giallongo C, Tibullo D, Bucolo C, Saccone S, Federico C, Scollo D, Longo A, Avitabile T, Musumeci G, D'Agata V.	Antioxidants (Basel)	2022
Electronic nicotine delivery systems exhibit reduced bronchial epithelial cells toxicity compared to cigarette: the Replica Project	Caruso M, Emma R, Distefano A, Rust S, Poulas K, Zadjali F, Giordano A, Volarevic V, Mesiakaris K, Al Tobi M, Boffo S, Arsenijevic A, Zuccarello P, Giallongo C, Ferrante M, Polosa R, Li Volti G; Replica Project Group.	Sci Rep	2021
IGFBP-6/sonic hedgehog/TLR4 signalling axis drives bone marrow fibrotic transformation in primary myelofibrosis	Longhitano L, Tibullo D, Vicario N, Giallongo C, La Spina E, Romano A, Lombardo S, Moretti M, Masia F, Coda ARD, Venuto S, Fontana P, Parenti R, Li Volti G, Di Rosa M, Palumbo GA, Liso A.	Aging (Albany NY)	2021
Clobetasol promotes neuromuscular plasticity in mice after motoneuronal loss via sonic hedgehog signaling, immunomodulation and metabolic rebalancing	Vicario N, Spitale FM, Tibullo D, Giallongo C, Amorini AM, Scandura G, Spoto G, Saab MW, D'Aprile S, Alberghina C, Mangione R, Bernstock JD, Botta C, Gulisano M, Buratti E, Leanza G, Zorec R, Vecchio M, Di Rosa M, Li Volti G, Lazzarino G, Parenti R, Gulino R.	Cell Death Dis	2021
Focus on Osteosclerotic Progression in Primary Myelofibrosis	Spampinato M, Giallongo C, Romano A, Longhitano L, La Spina E, Avola R, Scandura G, Dulcamare I, Bramanti V, Di Rosa M, Vicario N, Parenti R, Li Volti G, Tibullo D, Palumbo GA.	Biomolecules	2021
Mitochondrial Bioenergetics at the Onset of Drug Resistance in Hematological Malignancies: An Overview	Barbato A, Scandura G, Puglisi F, Cambria D, La Spina E, Palumbo GA, Lazzarino G, Tibullo D, Di Raimondo F, Giallongo C, Romano A.	Front Oncol	2020
Iron regulates myeloma cell/macrophage interaction and drives resistance to bortezomib	Camiolo G, Barbato A, Giallongo C, Vicario N, Romano A, Parrinello NL, Parenti R, Sandoval JC, Garcia-Moreno D, Lazzarino G, Avola R, Palumbo GA, Mulero V, Li Volti G, Tibullo D, Di Raimondo F.	Redox Biol	2020
Uveal Melanoma Cells Elicit Retinal Pericyte Phenotypical and Biochemical Changes in an in Vitro Model of Coculture	Anfuso CD, Longo A, Distefano A, Amorini AM, Salmeri M, Zanghi G, Giallongo C, Giurdanella G, Lupo G.	Int J Mol Sci	2020
The Role of Inflammation and Inflammasome in Myeloproliferative Disease	Longhitano L, Li Volti G, Giallongo C, Spampinato M, Barbagallo I, Di Rosa M, Romano A, Avola R, Tibullo D, Palumbo GA.	J Clin Med	2020
Inhibition of TLR4 Signaling Affects Mitochondrial Fitness and Overcomes Bortezomib Resistance in Myeloma Plasma Cells	Giallongo C, Tibullo D, Puglisi F, Barbato A, Vicario N, Cambria D, Parrinello NL, Romano A, Conticello C, Forte S, Parenti R, Amorini AM, Lazzarino G, Li Volti G, Palumbo GA, Di Raimondo F.	Cancers (Basel)	2020
Plasticity of High-Density Neutrophils in Multiple Myeloma is Associated with Increased Autophagy Via STAT3	Puglisi F, Parrinello NL, Giallongo C, Cambria D, Camiolo G, Bellofiore C, Conticello C, Del Fabro V, Leotta V, Markovic U, Sapienza G, Barbato A, Scalese S, Tibullo D, Brundo MV, Palumbo GA, Di Raimondo F, Romano A.	Int J Mol Sci	2019
Proteasome Inhibitors as a Possible Therapy for SARS-CoV-2	Longhitano L, Tibullo D, Giallongo C, Lazzarino G, Tartaglia N, Galimberti S, Li Volti G, Palumbo GA, Liso A.	Int J Mol Sci	2020
Mitochondrial Functions, Energy Metabolism and Protein Glycosylation are Interconnected Processes Mediating Resistance to Bortezomib in Multiple Myeloma Cells	Tibullo D, Giallongo C, Romano A, Vicario N, Barbato A, Puglisi F, Parenti R, Amorini AM, Wissam Saab M, Tavazzi B, Mangione R, Brundo MV, Lazzarino G, Palumbo GA, Volti GL, Raimondo FD, Lazzarino G.	Biomolecules	2020
Immunoproteasome Genes Are Modulated in CD34(+) JAK2(V617F) Mutated Cells from Primary Myelofibrosis Patients	Di Rosa M, Giallongo C, Romano A, Tibullo D, Li Volti G, Musumeci G, Barbagallo I, Imbesi R, Castrogiovanni P, Palumbo GA.	Int J Mol Sci	2020
Role of 17β-Estradiol on Cell Proliferation and Mitochondrial Fitness in Glioblastoma Cells	Castracani CC, Longhitano L, Distefano A, Anfuso D, Kalampoka S, La Spina E, Astuto M, Avola R, Caruso M, Nicolosi D, Giallongo C, Tibullo D, Volti GL.	J Oncol	2020
Ixazomib Improves Bone Remodeling and Counteracts sonic Hedgehog signaling Inhibition Mediated by Myeloma Cells	Tibullo D, Longo A, Vicario N, Romano A, Barbato A, Di Rosa M, Barbagallo I, Anfuso CD, Lupo G, Gulino R, Parenti R, Li Volti GL, Palumbo GA, Di Raimondo FD, Giallongo C.	Cancers (Basel)	2020
Pericytes in Microvessels: From "Mural" Function to Brain and Retina Regeneration	Caporarello N, D'Angeli F, Cambria MT, Candido S, Giallongo C, Salmeri M, Lombardo C, Longo A, Giurdanella G, Anfuso CD, Lupo G.	Int J Mol Sci	2019
Monocytic Myeloid Derived Suppressor Cells in Hematological Malignancies	Palumbo GA, Parrinello NL, Giallongo C, D'Amico E, Zanghi A, Puglisi F, Conticello C, Chiarenza A, Tibullo D, Raimondo FD, Romano A.	Int J Mol Sci	2019
Correction: TLR4 signaling drives mesenchymal stromal cells commitment to promote tumor microenvironment transformation in multiple myeloma	Giallongo C, Tibullo D, Camiolo G, Parrinello NL, Romano A, Puglisi F, Barbato A, Conticello C, Lupo G, Anfuso CD, Lazzarino G, Volti GL, Palumbo GA, Di Raimondo F.	Cell Death Dis	2019
TLR4 signaling drives mesenchymal stromal cells commitment to promote tumor microenvironment transformation in multiple myeloma	Giallongo C, Tibullo D, Camiolo G, Parrinello NL, Romano A, Puglisi F, Barbato A, Conticello C, Lupo G, Anfuso CD, Lazzarino G, Li Volti G, Palumbo GA, Di Raimondo F.	Cell Death Dis	2019

Deficiency and haploinsufficiency of histone macroH2A1.1 in mice recapitulate hematopoietic defects of human myelodysplastic syndrome	Bereshchenko O, Lo Re O, Nikulenkov F, Flamini S, Kotaskova J, Mazza T, Le Pannérer MM, Buschbeck M, Giallongo C, Palumbo G, Li Volti G, Paziienza V, Cervinek L, Riccardi C, Krejci L, Pospisilova S, Stewart AF, Vinciguerra M.	Clin Epigenetics	2019
Clobetasol Modulates Adult Neural Stem Cell Growth via Canonical Hedgehog Pathway Activation	Vicario N, Bernstock JD, Spitale FM, Giallongo C, Giunta MAS, Li Volti G, Gulisano M, Leanza G, Tibullo D, Parenti R, Gulino R.	Int J Mol Sci	2019
Immune off-target effects of Brentuximab Vedotin in relapsed/refractory Hodgkin Lymphoma	Romano A, Parrinello NL, Chiarenza A, Motta G, Tibullo D, Giallongo C, La Cava P, Camiolo G, Puglisi F, Palumbo GA, Di Raimondo F.	Br J Haematol	2019
α -Lipoic Acid Reduces Iron-induced Toxicity and Oxidative Stress in a Model of Iron Overload	Camiolo G, Tibullo D, Giallongo C, Romano A, Parrinello NL, Musumeci G, Di Rosa M, Vicario N, Brundo MV, Amenta F, Ferrante M, Copat C, Avola R, Li Volti G, Salvaggio A, Di Raimondo F, Palumbo GA.	Int J Mol Sci	2019
Heme Oxygenase Inhibition Sensitizes Neuroblastoma Cells to Carfilzomib	Barbagallo I, Giallongo C, Volti GL, Distefano A, Camiolo G, Raffaele M, Salerno L, Pittalà V, Sorrenti V, Avola R, Di Rosa M, Vanella L, Di Raimondo F, Tibullo D.	Mol Neurobiol	2019
PMN-MDSC and arginase are increased in myeloma and may contribute to resistance to therapy	Romano A, Parrinello NL, La Cava P, Tibullo D, Giallongo C, Camiolo G, Puglisi F, Parisi M, Piroso MC, Martino E, Conticello C, Palumbo GA, Di Raimondo F.	Expert Rev Mol Diagn	2018
Monocytic myeloid-derived suppressor cells as prognostic factor in chronic myeloid leukaemia patients treated with dasatinib	Giallongo C, Parrinello NL, La Cava P, Camiolo G, Romano A, Scalia M, Stagno F, Palumbo GA, Avola R, Li Volti G, Tibullo D, Di Raimondo F.	J Cell Mol Med	2018
Antimicrobial and Anti-Proliferative Effects of Skin Mucus Derived from <i>Dasyatis pastinaca</i> (Linnaeus, 1758)	Fuochi V, Li Volti G, Camiolo G, Tiralongo F, Giallongo C, Distefano A, Petronio Petronio G, Barbagallo I, Viola M, Furneri PM, Di Rosa M, Avola R, Tibullo D.	Mar Drugs	2017
Biochemical and clinical relevance of alpha lipoic acid: antioxidant and anti-inflammatory activity, molecular pathways and therapeutic potential	Tibullo D, Li Volti G, Giallongo C, Grasso S, Tomassoni D, Anfuso CD, Lupo G, Amenta F, Avola R, Bramanti V.	Inflamm Res	2017
Effect of Lipoic Acid on the Biochemical Mechanisms of Resistance to Bortezomib in SH-SY5Y Neuroblastoma Cells	Tibullo D, Giallongo C, Puglisi F, Tomassoni D, Camiolo G, Cristaldi M, Brundo MV, Anfuso CD, Lupo G, Stampone T, Li Volti G, Amenta F, Avola R, Bramanti V.	Mol Neurobiol	2018
Proteomic Analysis Reveals Autophagy as Pro-Survival Pathway Elicited by Long-Term Exposure with 5-Azacididine in High-Risk Myelodysplasia	Romano A, Giallongo C, La Cava P, Parrinello NL, Chiechi A, Vetro C, Tibullo D, Di Raimondo F, Liotta LA, Espina V, Palumbo GA.	Front Pharmacol	2017
The Heme Oxygenase System in Hematological Malignancies	Li Volti G, Tibullo D, Vanella L, Giallongo C, Di Raimondo F, Forte S, Di Rosa M, Signorelli SS, Barbagallo I.	Antioxid Redox Signal	2017
Antiproliferative and Antiangiogenic Effects of Punica granatum Juice (PGJ) in Multiple Myeloma (MM)	Tibullo D, Caporarello N, Giallongo C, Anfuso CD, Genovese C, Arlotta C, Puglisi F, Parrinello NL, Bramanti V, Romano A, Lupo G, Toscano V, Avola R, Brundo MV, Di Raimondo F, Raccuia SA.	Nutrients	2016
The prognostic value of the myeloid-mediated immunosuppression marker Arginase-1 in classic Hodgkin lymphoma	Romano A, Parrinello NL, Vetro C, Tibullo D, Giallongo C, La Cava P, Chiarenza A, Motta G, Caruso AL, Villari L, Tripodo C, Cosentino S, Ippolito M, Consoli U, Gallamini A, Pileri S, Di Raimondo F.	Oncotarget	2016
Mesenchymal Stem Cells (MSC) Regulate Activation of Granulocyte-Like Myeloid Derived Suppressor Cells (G-MDSC) in Chronic Myeloid Leukemia Patients	Giallongo C, Romano A, Parrinello NL, La Cava P, Brundo MV, Bramanti V, Stagno F, Vigneri P, Chiarenza A, Palumbo GA, Tibullo D, Di Raimondo F.	PLoS One	2016
Granulocyte-like myeloid derived suppressor cells (G-MDSC) are increased in multiple myeloma and are driven by dysfunctional mesenchymal stem cells (MSC)	Giallongo C, Tibullo D, Parrinello NL, La Cava P, Di Rosa M, Bramanti V, Di Raimondo C, Conticello C, Chiarenza A, Palumbo GA, Avola R, Romano A, Di Raimondo F.	Oncotarget	2016
Heme oxygenase-1 nuclear translocation regulates bortezomib-induced cytotoxicity and mediates genomic instability in myeloma cells	Tibullo D, Barbagallo I, Giallongo C, Vanella L, Conticello C, Romano A, Saccone S, Godos J, Di Raimondo F, Li Volti G.	Oncotarget	2016
Bortezomib modulates CHIT1 and YKL40 in monocyte-derived osteoclast and in myeloma cells	Tibullo D, Di Rosa M, Giallongo C, La Cava P, Parrinello NL, Romano A, Conticello C, Brundo MV, Saccone S, Malaguarnera L, Di Raimondo F.	Front Pharmacol	2015
Neuroactive molecules and growth factors modulate cytoskeletal protein expression during astroglial cell proliferation and differentiation in culture	Bramanti V, Grasso S, Tibullo D, Giallongo C, Pappa R, Brundo MV, Tomassoni D, Viola M, Amenta F, Avola R.	J Neurosci Res	2016
Modulation of extracellular signal-related kinase, cyclin D1, glial fibrillary acidic protein, and vimentin expression in estradiol-pretreated astrocyte cultures treated with competence and progression growth factors	Bramanti V, Grasso S, Tibullo D, Giallongo C, Raciti G, Viola M, Avola R.	J Neurosci Res	2015
Clinical Impact of the Immune in Lymphoid Malignancies: The Role of Myeloid-Derived Suppressor Cells	Vetro C, Romano A, Ancora F, Coppolino F, Brundo MV, Raccuia SA, Puglisi F, Tibullo D, La Cava P, Giallongo C, Parrinello NL.	Front Oncol	2015

Myeloid derived suppressor cells in chronic myeloid leukemia	Giallongo C, Parrinello N, Brundo MV, Raccuia SA, Di Rosa M, La Cava P, Tibullo D.	Front Oncol	2015
Myeloid derived suppressor cells (MDSCs) are increased and exert immunosuppressive activity together with polymorphonuclear leukocytes (PMNs) in chronic myeloid leukemia patients	Giallongo C, Parrinello N, Tibullo D, La Cava P, Romano A, Chiarenza A, Barbagallo I, Palumbo GA, Stagno F, Vigneri P, Di Raimondo F.	PLoS One	2014
SPARC expression in CML is associated to imatinib treatment and to inhibition of leukemia cell proliferation	Giallongo C, La Cava P, Tibullo D, Barbagallo I, Parrinello N, Cupri A, Stagno F, Consoli C, Chiarenza A, Palumbo GA, Di Raimondo F.	BMC Cancer	2013
Nuclear translocation of heme oxygenase-1 confers resistance to imatinib in chronic myeloid leukemia cells	Tibullo D, Barbagallo I, Giallongo C, La Cava P, Parrinello N, Vanella L, Stagno F, Palumbo GA, Li Volti G, Di Raimondo F.	Curr Pharm Des	2013
Effects of second-generation tyrosine kinase inhibitors towards osteogenic differentiation of human mesenchymal cells of healthy donors	Tibullo D, Barbagallo I, Giallongo C, La Cava P, Branca A, Conticello C, Stagno F, Chiarenza A, Palumbo GA, Di Raimondo F.	Hematol Oncol	2012
Imatinib increases cytotoxicity of melphalan and their combination allows an efficient killing of chronic myeloid leukemia cells	Giallongo C, La Cava P, Tibullo D, Parrinello N, Barbagallo I, Del Fabro V, Stagno F, Conticello C, Romano A, Chiarenza A, Palumbo GA, Di Raimondo F.	Eur J Haematol	2011
Overexpression of heme oxygenase-1 increases human osteoblast stem cell differentiation	Barbagallo I, Vanella A, Peterson SJ, Kim DH, Tibullo D, Giallongo C, Vanella L, Parrinello N, Palumbo GA, Di Raimondo F, Abraham NG, Asprinio D.	J Bone Miner Metab	2010
Concomitant and feasible treatment with dasatinib and the anti-EGFR antibody cetuximab plus radiotherapy in a CML patient with multiple squamous neoplasias	Stagno F, Vigneri P, Del Fabro V, Stella S, Restuccia N, Giallongo C, Massimino M, Berretta S, Pennisi MS, Tibullo D, Tirrò E, Buscarino C, Messina A, Di Raimondo F.	Acta Oncol	2010
Effects of imatinib mesylate in osteoblastogenesis	Tibullo D, Giallongo C, La Cava P, Berretta S, Stagno F, Chiarenza A, Conticello C, Palumbo GA, Di Raimondo F.	Exp Hematol	2009
A cytoprotective role for the heme oxygenase-1/CO pathway during neural differentiation of human mesenchymal stem cells	Barbagallo I, Tibullo D, Di Rosa M, Giallongo C, Palumbo GA, Raciti G, Campisi A, Vanella A, Green CJ, Motterlini R.	J Neurosci Res	2008

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