

CURRICULUM VITAE

PROF. MARIA LUISA BALESTRIERI

ASSOCIATE PROFESSOR OF BIOCHEMISTRY

NATIONAL SCIENTIFIC QUALIFICATION (ASN) AS FULL PROFESSOR OF BIOCHEMISTRY AND CLINICAL
BIOCHEMISTRY
(ART. 16 OF LAW 240/2010)

Department of Biochemistry, Biophysics and General Pathology
School of Medicine, University of Campania "Luigi Vanvitelli", Naples, Italy.
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SKILLS & RESEARCH KEYWORDS

-Aging, Oxidative stress, Nitric Oxide, Endothelial Cells, Endothelial Progenitor Cells, Angiogenesis, Inflammation, Cell senescence, Apoptosis, Atherosclerosis, Endothelial Dysfunction, Sirtuins.
-Nutrition, Natural Products, Health, Bioactive Compounds, Free Radicals, Antioxidants.
-Biochemistry of Cancer, Cell Cycle, Cancer-related Biochemical Pathways, Cell Proliferation, Senescence, Cancer Cell Death, Epigenetic Regulation, Sirtuins and Cancer.

SCOPUS BIBLIOMETRIC INDEXES

Author Search: Balestrieri M.L.
Publications: 91
h-Index: 27
Citations: 1766

EDUCATION AND TRAINING

1999 Master in Food Science 50/50 with honors, Second University of Naples
1997 Ph.D in Biochemical Sciences, University of Naples "Federico II"
1993 Qualification as Biologist, University of Naples "Federico II"
1991 Degree in Biological Sciences, 110/110 with honors, University of Naples "Federico II"

TEACHING ACTIVITIES Università degli Studi della Campania "Luigi Vanvitelli", Italy

CDL IN MEDICINE AND SURGERY IN ENGLISH

-from 2012 to date Chemistry (7 CFU)

CDL IN MEDICINE AND SURGERY

-from 2011 to date Chemistry and Propaedeutic Biochemistry (3 CFU)
-2008-2010 Chemistry and Propaedeutic Biochemistry

CDL IN MEDICINE AND SURGERY-CASERTA

-2014-2015 Chemistry and Propaedeutic Biochemistry (6 CFU)

CDL IN BIOMEDICAL LABORATORY TECHNIQUES

2013 to date Chemistry and Propaedeutic Biochemistry (3 CFU)
2011-2012 Biochemistry (3 CFU)
2010-2011 Chemistry and Propaedeutic Biochemistry (3 CFU)
2009-2010 Chemistry and Propaedeutic Biochemistry (1 CFU)
2008-2009 Chemistry and Propaedeutic Biochemistry (1 CFU)

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2007-2008 Biochemistry (2 CFU)
2006-2007 Biochemistry (2 CFU)

CDL IN MEDICAL RADIOLOGY TECHNIQUES FOR PICTURES AND RADIOTHERAPY

from 2011 to date Biochemistry (2 CFU)

CDL IN PEDIATRIC NURSING

2015-2016 Biochemistry (2 CFU)
2014-2015 Biochemistry (2 CFU)
2013-2014 Biochemistry (2 CFU)
2012-2013 Biochemistry (2 CFU)
2011-2012 Chemistry and Propaedeutic Biochemistry (2 CFU)
2010-2011 Biochemistry (2 CFU)
2009-2010 Biochemistry (2 CFU)
2008-2009 Biochemistry (2 CFU)

CDL IN NURSING SCIENCES "A. CARDARELLI"

2011-2012 Chemistry and Propaedeutic Biochemistry (2 CFU)

CDL IN TECHNICIAN FOR ENVIRONMENTAL PREVENTION AND WORKPLACES

2005-2006 Chemistry and Propaedeutic Biochemistry (3 CFU)

MASTER IN CARDIOLOGY

2007-to date Biological Chemistry

Ph.D ACADEMIC BOARD

from 2008 to date Member of the Academic Board of the Ph.D Program Biochemical and Biotechnological Sciences- Physical Chemistry Course (3 CFU).
2004-2007 Member of the Academic Board of the Ph.D Program in Applied Biotechnologies for Medical Sciences.

RESEARCH EXPERIENCES

2017 Visiting Professor in Chemistry, International University of Gorazde, Department of European Studies Jean Monnet, Locarno, CH.

2004-2014 Researcher in Biochemistry-Department Biochemistry Department of Biochemistry, Biophysics and General Pathology, School of Medicine, Università degli Studi della Campania "Luigi Vanvitelli", Italy.

from 2004 to date Biology Manager (I Level) Primo Policlinico Hospital, Department of Integrated Activity of the Laboratory Services and Public Health, UOC Clinical and Molecular Pathology Università degli Studi della Campania "Luigi Vanvitelli.

2003-2004 Researcher Assistant - Department of Biochemistry and Biophysics "Francesco Cedrangolo" Second University of Naples, School of Medicine, Second University of Naples, Italy (*from May 02, 2003 to January 01-2004*)

CURRICULUM VITAE

1999-2002 Researcher Assistant - Department of Biochemistry and Biophysics "Francesco Cedrangolo" Second University of Naples, School of Medicine, Second University of Naples, Italy (*from October 27, 1999 to October 30, 2002*)

2000 Researcher Assistant-Basic and Applied Research Unit, Oak Ridge Associated Universities (ORAU) PO Box 117 Oak Ridge, Tennessee, 37831-0117, USA

1999 Researcher Assistant at the Basic and Applied Research Unit, Oak Ridge Associated Universities (ORAU) PO Box 117 Oak Ridge, Tennessee, 37831-0117, USA

1995-1997 Graduate Researcher Fellow at the Environmental and Health Sciences Division, Oak Ridge Associated Universities (ORAU) PO Box 117 Oak Ridge, Tennessee, 37831-0117, USA.

1992 Graduate Researcher Fellow the Department of Biochemistry and Biophysics "Francesco Cedrangolo", School of Medicine, Second University of Naples, Italy

1990-1991 Graduating student internship in the Department of Biochemistry and Biophysics "Francesco Cedrangolo" School of Medicine, Second University of Naples, Italy

RESEARCH EVALUATOR EXPERT

2017- Member of the Scientific and Technical Committee of the European Research Center for Food Safety
2016- Expert Peer Reviewer (REPRISE) for the evaluation of Research Project – University of Florence Università for Competitive Projects, September 2017.

2016- Expert Peer Reviewer (REPRISE) for the evaluation of MIUR Projects- Ex-post FIRB Futuro in Ricerca 2008 (D.D. 792 del 27/04/2016) dal 27-04-2016 al 17-10-2016.

2016-Member of the Register of Expert Peer Reviewers for Italian Scientific Evaluation -REPRISE- 2016 (CNGR del 01.02.16) for the Ex-post evaluation of FIRB Project “Futuro in Ricerca 2008”

2013-2014 Member of the Miur Referees Board for Pre-selection SIR 2014 and FIRB “Futuro in Ricerca 2013”

SCIENTIFIC MEMBERSHIP

Italian Society of Biochemistry and Molecular Biology

AWARDS

2017- Admitted to the financing of basic research (art. 1, commi 295 e seguenti, della Legge 11 dicembre 2016)

2013- “Enzo Galanello Award” nell’ambito del 57th National Meeting of the Italian Society of Biochemistry and Molecular Biology, September 19-21st Ferrara (Italy), for Poster Presentation “The synergistic effect of everolimus and chloroquine on EPC growth inhibition is paralleled by increased apoptosis and reduced autophagy occurrence” Autori: D' Onofrio N, Grimaldi A, Pantano F, Zoccoli A, Santini D, Di Domenico G, Nocera C, Caraglia M, Balestrieri ML,

2001 Young Researcher Award, Second University of Naples, Italy

2000 INBB Young Researcher Awards. IV National Congress Biostructures and Biosystem Institute, Rome (Italy), November 16-19th

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- 2000 IUMB Travel Fellowship, American Society of Biochemistry and Molecular Biology, Birmingham (UK), July 16-20th
1993 SIB Young Researcher Award - VIII National Congress "Proteins '93", Parma (Italy), May 26-28th

OWNERSHIP OF RESEARCH PROJECT

- 2017- Basic Research Activities Funding- Avviso pubblico di ANVUR n. 20/2017 del 15-06-2017, di cui all'Art 1, commi 295 e seguenti, legge 11 dicembre 2016 N. 232 (GU n.297 del 21-12-2016 - Suppl. Ordinario n. 57).
2017-2018 HORIZON 2020" PON I&C 2014-2020 (D.M. 1 giugno 2016) Project: RATIONALE - F/050129/01-02-03/X32. Title: Characterization of new functional foods and nutraceuticals derived from buffalo milk (Caratterizzazione di nuovi alimenti funzionali e nutraceutici derivanti dal latte di bufala). From March 01, 2017 to December 31, 2018
2013-15 POR CAMPANIA FESR 2007/2013 Bio Industrial Processes-BIP. From September 1, 2013 to December, 31, 2015
2008 PRIN Cofin 2008X2PNYX_002. Title: Caratterizzazione biochimica della composizione del fluido oviduttale e studio proteomico della placenta nella specie bufalina. From March 22-, 2010 to September 22-2012
2007 Legge 5 Regione Campania annualità 2005 code BRC1498. Title: Effetti in vivo ed in vitro dei polifenoli del vino rosso da diverse viticole sull'espressione genica endoteliale durante lo shear stress perturbato e loro relazione con i processi biotecnologici della produzione del vino. From February 14, 2008 to February 14, 2009.
2001 Young Researcher, Second University of Naples. Title: Antiossidanti e regolazione redox della Transacetilasi-PAF dipendente in cellule endoteliali.
2000 CNR Young Researcher cod. CNRGOOEFB2. Title: Regolazione dell'enzima Transacetilasi PAF-dipendente CoA-indipendente nella biosintesi di analoghi acilici del PAF in cellule endoteliali.

PARTECIPATION TO FUNDEND RESEARCH PROJECTS

- 2007-13 Programma Operativo Nazionale Ricerca e Competitività 2007-2013- PON03PE_00060_3. Titolo: Sviluppo e sperimentazione di molecole ad azione nutraceutica e cosmeceutica.
2007-13 PON R&C 2007-2013- PON Nutrafast N°01_01226 -MIUR. Title: Dal nutraceutico al farmaco per strategie integrate "NUTRAFAST".
2007-13 PO FESR 2007-2013 – Operative objectives 2.1 and 2.2. Title: Introduzione e valorizzazione di alimenti salutistici e razionalizzazione produttiva nelle filiere tradizionali della Regione Campania.
2007 MIPAAF_Action 4. Title: Effetto dei flavonoidi da agrumi sui meccanismi infiammatori in cellule endoteliali.
2004 PRIN Cofin code 2004063113_005. Title: Ruolo degli enzimi delle vie metaboliche del Fattore di Attivazione Piastrinico (PAF) nella regolazione dei livelli di PAF nelle cellule immunitarie e nei meccanismi molecolari dell'adesione delle cellule immunitarie all'endotelio.
2003 Legge 5/02 Regione Campania annualità 2003. Title: Regolazione dell'attività della pectina metilesterasi da parte del suo inibitore proteico nei processi di sviluppo della pianta e nella difesa da infezioni virali.
2002 PRIN Cofin code 2002051917_001. Title: Un inibitore proteico della pectina metilesterasi: studi sulla topologia del complesso enzima-inibitore e sul suo ruolo fisiologico
2001 PRIN Cofin code 20011062947_003. Title: Ruolo degli enzimi del metabolismo del Fattore di Attivazione Piastrinico (PAF) e di suoi analoghi acilici nella biosintesi di mediatori lipidici in popolazioni di macrofagi e nell'interazione dei monocito-macrofagi con cellule endoteliali
2000 Legge Regionale del 31.12.1994 n. 41. Regione Campania 1999. Title: Controllo della qualità dei grani duri presenti nella pasta.

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2000 Legge Regionale del 31.12.1994 n. 41. Regione Campania 2000 code CCAMAA1E9F2000. Title: Caratterizzazione biochimica e di stabilità termica delle isoforme dell'enzima pectina metilesterasi nelle cultivar di pomodoro maggiormente utilizzate dall'industria conserviera in Campania.

PATENT

1994 L. Servillo, C. Balestrieri, L. Quagliuolo, M.L. Balestrieri, G. Camussi: A method for the chromatographic analysis of organic substances of lipid nature. Patent CNR N° code MI 94 A 000758

INTERNATIONAL CONGRESS ORGANIZATION

2017 Organizing Committee 59th Congress of the Italian Society of Biochemistry and Molecular Biology (SIB), Naples, Italy, September 20-22nd, 2017.

2007 Organizing Committee del "3rd International Conference on Phospholipases A₂ and Lipid Mediators" Sorrento, Naples, Italy, May 9-12th, 2007

INTERNATIONAL AND NATIONAL RELATION WITH COMPANIES, ORGANIZATION, RESEARCH CENTERS, UNIVERSITIES

Collaborations have been established with the following national and international research institutes and universities:

- 1) Hospital Antonio Cardarelli Napoli, Dipartimento di Emergenza Cardiologia;
- 2) Division of Rheumatology, Allergy and Immunology and the Thurston Arthritis Research Center, University of North Carolina-Chapel Hill, NC, USA.
- 3) Università degli Studi di Napoli "Federico II", Dipartimento di Medicina Veterinaria e Produzione Animale (Napoli);
- 4) Le Verdi Praterie Srl, Gruppo Marrelli, Crotone;
- 5) Dipartimento di Ingegneria Industriale, Università degli Studi di Salerno.
- 6) Sbarro Research Institute, College of Science and Technology, Temple University, Philadelphia, Pennsylvania, USA.
- 7) Dipartimento di Medicina, Chirurgia e Neuroscienze, Università degli Studi di Siena.
- 8) Faculty of Agriculture and Environment, The University of Sydney, Camden, NSW, Australia.

SPEAKER AT TRAINING COURSES & SEMINARS

2015 Endothelial dysfunction and diabetes - Project PON01_02460 DIAGEN - University of Naples "Federico II"

2006 2° Updating Course in "Reactive oxygen species and antioxidants: clinical and laboratory aspects". Title: Mechanisms of radical reactions. Naples (Italy), March 10-11th

SPEAKER TO NATIONAL AND INTERNATIONAL SCIENTIFIC CONGRESS

1. Balestrieri ML. Transacetylase activity of PAF-Acetylhydrolase. 3th International Conference on PLA₂ and Lipids Mediators, Naples (Italy), May 9- 12th, 2007
2. Balestrieri ML, Balestrieri C, Giovane A, Servillo L. Citrus flavonoids modulates Platelet-Activating Factor and its acyl analogs metabolism in endothelial cells. Congresso Italo-Latinoamericano di Etnomedicina "Alberto Di Capua" Pavia (Italy), September 10- 14th, 2002
3. Balestrieri ML, Balestrieri C. Studio del meccanismo anti-infiammatorio dei flavonoidi in cellule endoteliali. Incuentro de la Universidad Scientifica del Sur con Academicos Italianos. Lima (Perù) 2002
4. Balestrieri C, Balestrieri ML, Giovane A, Esposito A, Lee T-c. Type of Phospholipase A₂ involved in the activation of the Platelet-Activating Factor-Dependent Transacetylase activity in ATP stimulated

- endothelial cells. 44° Congresso Nazionale Società Italiana di Biochimica, Alghero (Italy), September 10-14th, 1999
5. Balestrieri ML, Servillo L, Balestrieri C, Lee T-c. Purinergic receptors that regulate Platelet-activating factor(PAF)-dependent transacetylase activity and arachidonate release in endothelial cells. 38th International Congress of Lipids, Assisi (Italy), September 16-19th, 1997
 6. Balestrieri ML, Lee T-c. The role of Platelet-Activating Factor-dependent transacetylase in the biosynthesis of 1-acyl-2-acetyl-sn-glycero-3-phosphorylcholine by stimulated endothelial cells. 31st Annual Southeastern Regional Lipids Conference, Cashears, (NC), USA, November 6-8th, -1996
 7. Iorio EL, Balestrieri ML, Esposito A, Castaldo P, Servillo L. Caratterizzazione di specie molecolari di PAF prodotte dai leucociti polimorfonucleati umani stimolati con il fattore di necrosi tumorale (TNF). Riunione Annuale Congiunta della Società Italiana di Biochimica, Caserta (Italy), March 24-25th, 1994
 8. Balestrieri ML, Iorio EL, Dini I, Giovane A, Balestrieri C. A new, rapid and sensitive fluorimetric assay to detect PAF-acetylhydrolase activity in biological samples. Riunione Interregionale Società Italiana di Biochimica (CBPCM,) Taranto (Italy), May 7-8th, 1993

SCIENTIFIC COMMUNICATIONS AT NATIONAL AND INTERNATIONAL SCIENTIFIC CONGRESS

1. D'Onofrio N, Casale R, Giovane A, Servillo L, Balestrieri ML. Ergothioneine oxidation protects against high-glucose induced endothelial senescence via SIRT1 and SIRT6. SIB 2017 – 59th Congress Italian Society of Biochemistry and Molecular Biology, Caserta (Italy), September 20-22nd, 2017
2. Balestrieri ML, Servillo L, Casale R, Giovane A, Castaldo D, Cautela D, Nunzia D'Onofrio N. The uncommon redox mechanism of ergothioneine. SIB 2017 – 59th Congress – Italian Society of Biochemistry and Molecular Biology, Caserta (Italy), September 20-22nd, 2017
3. Pinto F, Giovane A, Servillo L, Balestrieri ML. Bioactive peptides from buffalo milk. SIB 2017 – 59th Congress – Italian Society of Biochemistry and Molecular Biology, Caserta (Italy), September 20-22nd, 2017
4. Balestrieri ML, D'Onofrio N, Giovane A, Servillo L. Ergothioneine oxidation in the protection against high-glucose induced endothelial senescence: Involvement of SIRT1 and SIRT6. Workshop BIO/10, Università degli Studi di Napoli “Federico II”, Naples (Italy), January 18th, 2017
5. D'Onofrio N, Servillo L, Giovane A, Balestrieri ML. Meccanismo dell'azione antiossidante dell'ergotioneina nella protezione delle cellule endoteliali dallo stress ossidativo. Società Chimica Italiana, Sezione Campania Divisione Chimica dei Sistemi Biologici, Workshop on Chemistry and Health, Università degli Studi di Napoli “Federico II”, Naples (Italy), January 11th, 2017
6. D'Onofrio N, Giovane A, Vitiello M, Servillo L, Balestrieri ML. Modulation of endothelial inflammatory process by sirtuin 6. 28th Annual Conference of Italian Association of Cell Cultures (ONLUS-AICC), Naples (Italy), November 16-18th, 2015
7. D'Onofrio N, Marfella R, Vitiello M, Paolisso G, Balestrieri ML. Beneficial effect of glucose-lowering treatments on EPC number and differentiation during early percutaneous coronary intervention. 27th Annual Conference of Italian Association of Cell Cultures (ONLUS-AICC), Verona, (Italy), November, 12-14th, 2014
8. D'Onofrio N, Grimaldi A, Pantano F, Zoccoli A, Santini D, Di Domenico G, Nocera C, Caraglia M, Balestrieri ML. The synergistic effect of everolimus and chloroquine on EPC growth inhibition is paralleled by increased apoptosis and reduced autophagy occurrence. 57th National Meeting of the Italian Society of Biochemistry and Molecular Biology, Ferrara (Italy), September 19-21th, 2013 *Winner of “Enzo Galanello Award”*.

9. Balestrieri ML, Servillo L, Esposito A, D'Onofrio N, Giovane A, Casale R, Barbieri M, Paolisso P, Rizzo MR, Paolisso G, Marfella R. Riduzione dei livelli di cellule endoteliali progenitrici in soggetti con diabete di tipo 2: connessione tra SIRT1 e Fattore di Attivazione Piastrinico. 57th National Meeting of the Italian Society of Biochemistry and Molecular Biology, Ferrara (Italy), September 19-21th, 2013
10. D'Onofrio N, Grimaldi A, Pantano F, Zoccoli A, Santini D, Di Domenico G, Nocera C, Caraglia M, Balestrieri M.L. L'effetto sinergico di Everolimus e Clorochina sull' inibizione della crescita delle EPC è accompagnato da un aumento dell'apoptosi e da una ridotta insorgenza dell'autofagia. Giornate Scientifiche di Ateneo (SUN) 2013, Naples (Italy), June 27th, 2013
11. Zappavigna S, Luce A, Lusa S, Addeo E, Balestrieri ML, D'Onofrio N, Grieco P, Novellino E, De Rosa G, Caraglia M. Il recettore dell'Urotensina come bersaglio per la veicolazione di agenti antitumorali incapsulati in nano vettori. Giornate Scientifiche di Ateneo (SUN) 2013, Naples (Italy), June 27th, 2013
12. Luce A, Zappavigna S, Balestrieri ML, D'Onofrio N, Porru M, Salzano G, Lusa S, Leonetti C, De Rosa G, Caraglia M. Nanoparticelle funzionalizzate con trasferrina ed incapsulanti acido zoleronico determinano inibizione della crescita del glioblastoma intracranico in vivo. Giornate Scientifiche di Ateneo (SUN) 2013, Naples (Italy), June 27th, 2013
13. Balestrieri ML, Esposito A, D'Onofrio N, Casale R, Giovane A, Servillo L. Activation of Platelet-Activating Factor Receptor and SIRT1 signaling in endothelial progenitor cells. 56th National Meeting of the Italian Society of Biochemistry and Molecular Biology, Chieti (Italy), September 26-29th, 2012
14. Esposito A, D'Onofrio N, Coppola M, Casale R, Giovane A, Servillo L, Balestrieri ML. Modulazione di SIRT1 e regolazione dei livelli di cellule endoteliali progenitrici in seguito as attivazione del recettore del PAF Giornate Scientifiche di Ateneo (SUN) 2012, Naples (Italy), July 11th, 2012
15. Esposito A, Stiuso P, A Giovane A, Servillo L, Balestrieri ML. PAF receptor activation and SIRT1 signaling in endothelial progenitor cells. 36th FEBS Congress Biochemistry for Tomorrow's Medicine, Torino (Italy), June 25-30th, 2011
16. Esposito A, Balestrieri ML, Giovane A, Servillo L, Merola M. Effetto del Fasudil sulle cellule progenitrici endoteliali umane stimulate con TNF-alfa. Giornate Scientifiche della Facoltà di Ateneo (SUN) 2010 Naples (Italy), 2010
17. Milone L, Giovane A, Servillo L, Farzati B, Napoli C, Balestrieri ML. Profilo proteomico di cellule progenitrici endoteliali (EPC) in presenza di alte dosi di glucosio. Giornate Scientifiche della Facoltà di Medicina e Chirurgia (SUN) 2010, Naples (Italy), 2010
18. Balestrieri ML, Giovane A, Rossiello R, Casamassimi A, Farzati B, Servillo L, Napoli C. Effects of fasudil and Y-27632 on TNF-alpha-induced detrimental effects on human endothelial progenitor cells. European Society of Cardiology (ESC), Barcelona (Spain), August 29th, 2009
19. Milone L, Giovane A, Servillo L, Balestrieri ML. Proteomic profile of endothelial progenitor cells (EPC) following high-glucose treatment. 54th National Meeting of the Italian Society of Biochemistry and Molecular Biology (SIB). Catania (Italy), September 23 -27th, 2009
20. de Nigris F, Balestrieri ML, Mancini FP, Cacciatore F, Fiorito C, Crimi E, Casini C, Esposito A, Giordano A, Napoli C. High cola beverage intake might increase unstable atheroma and decreases endothelial progenitor cells and mice survival. European Society of Cardiology (ESC). Barcelona, (Spain), August 29th, 2009
21. Liguori A, Cacciatore F, Bruzzese G, Balestrieri ML, Mazzella F, Fiorito C, Crudele V, Napoli C. Beneficial anti-atherosclerotic effects of long term moderate physical exercise. European Society of Cardiology (ESC) Barcelona (Spain), August 29th, 2009
22. de Nigris F, Balestrieri ML, Williams-Ignarro S, Lerman LO, Byrns R, Rienzo M, Fiorito C, Maione C, Schiano C, Sica V, Ignarro LJ, Napoli C. Autologous bone marrow cell therapy and metabolic

- intervention in the ischemic limb of spontaneously hypertensive rats. 76th Congress European Atherosclerosis Society (EAS), Helsinki (Finland), 2007
23. Palma D, Milone L, Felice F, Servillo L, Balestrieri ML. Lysophospholipid transacetylase in the regulation of PAF levels in human monocyte-derived dendritic cells. 3th International Conference on PLA2 and Lipids Mediators, Sorrento (Italy), 2007
 24. Baker AH, Casamassimi A, Williams-Ignarro S, de Nigris F, Lerman LO, Sica V, Lanza A, Schiano C, Balestrieri ML, Work L, Ignarro LJ, Napoli C. Brain protection using integrative management with autologous bone marrow cells, transgene overexpression of tissue metalloproteinase inhibitors and metabolic treatment in cerebral ischemia. 76th Congress European Atherosclerosis Society (EAS), Helsinki (Finland), 2007
 25. Casamassimi A, Balestrieri ML, Fiorito C, Schiano C, Maione C, Rossiello R, Grimaldi V, del Giudice V, Servillo L, Rienzo M, Farzati B, Muto F, Policastro M, Sica V, Napoli C. Comparison between total endothelial progenitor cells isolation versus enriched CD133+. 76th Congress European Atherosclerosis Society (EAS), Helsinki (Finland), 2007
 26. Balestrieri ML, Palma D, Felice F, Visciano V, Schiano A, Balestrieri C, Servillo L. MAP chinasi nella regolazione della transacetilasi PAF-dipendente durante il differenziamento di monociti in macrofagi. Giornate Scientifiche della Facoltà di Medicina e Chirurgia (SUN) 2006, Naples (Italy), 2006
 27. Balestrieri ML, Balestrieri C, Dos Santos E, Sant'Ana AEG, Pizza C, Piacente S. Triterpenes from *Maytenus rigida* and evaluation of their effects on the VEGF-induced proliferation in Kaposi's sarcoma cells. XV Congresso Italo-Latino Americano di Etnomedicina, Perugia (Italy), 2006
 28. Balestrieri ML, Palma D, Pari P, Visciano V, Giovane A, Servillo L, Balestrieri C. Transacetilasi PAF-dipendente CoA-indipendente nella regolazione dei livelli di PAF durante il differenziamento in vitro di monociti in macrofagi. Giornate Scientifiche della Facoltà di Medicina e Chirurgia (SUN) 2005, Naples (Italy), 2005
 29. Balestrieri ML, Felice F, Pari P, De Maggio I, Balestrieri C, Servillo L. Effetto della leptina sul metabolismo del PAF in cellule endoteliali. Giornate Scientifiche della Facoltà di Medicina e Chirurgia (SUN) 2005, Naples (Italy), 2005
 30. Balestrieri ML, De Prisco R, Pari P, Felice F, Balestrieri C. Tomato lipophilic extracts rich in lycopene enhance the acyl-PAF biosynthesis in endothelial cells during oxidative stress. 12th Biennial Meeting of Society for Free Radical Biology and Medicine. Buenos Aires, Argentina, 2004
 31. Balestrieri ML, Pari P, Felice F, Palma D, Servillo L, Balestrieri C. Licopene in associazione con alpha-tocoferolo incrementa la biosintesi di acil-PAF in cellule endoteliali durante stress ossidativi. Giornate Scientifiche della Facoltà di Medicina e Chirurgia (SUN) 2004, Naples (Italy), 2004
 32. Balestrieri ML, Pari P, Palma D, Visciano V, Servillo L, Balestrieri C. PAF-dependent CoA-independent Transacetylase activity in monocyte-macrophages. Congresso Società Italiana di Biochimica, Riccione (Italy), 2004
 33. Balestrieri ML, Balestrieri C, Felice F, Monitoro P, Oleszek W, Piacente S, Pizza C. Attività anti-proliferativa di costituenti fenolici della corteccia di *Yucca schidigera*. XIII Congresso Italo-Latino Americano di Etnomedicina, Salerno (Italy), 2004
 34. Scognamiglio M, Gagliardi A, Boccellino M, Balestrieri ML, Giovane A. Oligogalatturonides regulate the pectin methylesterase activity. Congresso della Società Italiana di Biochimica, Riccione (Italy), 2004
 35. De Prisco R, Balestrieri C, Balestrieri ML. Attività anti-infiammatoria di estratti di licopene proveniente da diverse varietà di pomodoro. XII Congresso Italo-Latino-Americano de Etnomedicina. Rio de Janeiro (Brasil), 2003
 36. Balestrieri ML, Balestrieri C, Oleszek W, Piacente S, Pizza C. Costituenti fenolici della corteccia di *Yucca Schidigera* inibiscono la sintesi del Fattore di Attivazione Piastrinico (PAF), un potente

- mediatore dell'infiammazione. XII Congresso Italo-Latino-Americano de Etnomedicina. Rio de Janeiro (Brasil), 2003
37. Balestrieri ML, Pari P, D'Urso F, Giovane A, Servillo L. Ruolo della Transacetilasi PAF-dipendente nella protezione dei flavonoidi da stress ossidativo in cellule endoteliali. Giornate scientifiche della Facoltà di Medicina e Chirurgia (SUN) 2002, Naples (Italy), 2002
 38. Balestrieri ML, Giovane A, Quagliuolo L, Boccellino M, Servillo L. PAF-dependent transacetylase activities are differentially regulated in stimulated endothelial cells at different passages numbers. *Italian Journal of Biochemistry* 51, p 76, 2002
 39. Balestrieri ML, Coppola M, Giovane A, Gagliardi A, Servillo L. Effetti dei livelli intracellulari di glutatione sull'attività Transacetilasica Platelet-Activating (PAF)-dipendente CoA-indipendente. Giornate scientifiche della Facoltà di Medicina e Chirurgia (SUN) 2001, Naples (Italy), 2001
 40. Longobardi L, Balestrieri C, Balestrieri ML, Boccellino M, Pari P, Quagliuolo L. Regulation of three catalytic activities of Platelet-Activating-Factor (PAF) dependent transacetylase. Riunione Interregionale Società Italiana di Biochimica, Italian Biochemical Society Transaction Vol. 18, Salerno (Italy), 2001
 41. Balestrieri ML, Servillo L, Longobardi L, Boccellino M, Giovane A, Quagliuolo L, Balestrieri C. Regulation of the biosynthesis of platelet-activating factor (PAF) analogs by a PAF-dependent CoA-independent transacetylase. 45° Congresso Nazionale della Società Italiana di Biochimica, Italian Biochemical Society Transaction Vol.15, Napoli (Italy), 2000
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Ph.D Tutor

-Ph.D Tutor in Biochemical and Biotechnological Sciences-29° cycle. Dottoranda: Dott. Milena Vitiello. Tesis: Ergothioneine oxidation in the protection against high-glucose endothelial senescence: involvement of SIRT1 and SIRT6.

-Ph.D Tutor in Cellular Biochemistry 27° cycle. Dott. Nunzia D'Onofrio. Tesis: Ruolo di SIRT1 e del recettore del Fattore di Attivazione Piastrinico (PAF-R) nella regolazione dei livelli di cellule endoteliali progenitrici in soggetti diabetici di tipo 2.

-Ph.D Tutor in Cellular Biochemistry 26° cycle. Dott. Mario Coppola. Tesis: Studio proteomico della placenta nella specie bufalina nel corso di sviluppo embrionale ritardato.

-Ph.D External Evaluator, Dottorato di Ricerca in Ambiente, Risorse e Sviluppo Sostenibile XXIX Ciclo, Università degli Studi di Napoli Parthenope, Napoli, Italia (D.R. 166/2017), dal 17-02-2017 al 28-02-2017.

- Ph.D External Evaluator, Dottorato di Ricerca Genetics, Oncology and Clinical Medicine GenOMeC, Università di Siena, Siena, Italia dal 16-01-2017 al 28-01-2017.

--Ph.D External Evaluator, Dottorato di Ricerca Genetics, Oncology and Clinical Medicine GenOMeC, Università di Siena, Siena, Italia dal 01-02-2017 al 28-01-2016.

Laurea Tutor/Co-tutor

Scuola Politecnica e delle Scienze di Base Corso di Laurea Magistrale in Scienze Biologiche. Candidata: Federica Meglio. Tesis: Ruolo della Sirtuina 6 nello sviluppo delle placche aterosclerotiche nel diabete di tipo 2. Tutor, Prof. Assunta Lombardi. Co-tutor, Prof. Maria Luisa Balestrieri (AA 2016-2017).

Scuola Politecnica e delle Scienze di Base Corso di Laurea Magistrale in Scienze Biologiche. Candidata: Fiorella Fasanaro. Thesis: Meccanismo di azione dell'ergotioneina nella protezione delle cellule endoteliali dal danno indotto dall'iperglicemia. Tutor, Prof. Assunta Lombardi. Co-tutor, Prof. Maria Luisa Balestrieri (AA 2016-2017).

Scuola Politecnica e delle Scienze di Base Corso di Laurea Magistrale in Scienze Biologiche. Student: Assunta Santagata. Thesis: Effetto della stachidrina sulla senescenza endoteliale indotta da iperglicemia. Tutor, Prof. Assunta Lombardi. Co-tutor, Prof. Maria Luisa Balestrieri (AA 2014-2015).

Scuola Politecnica e delle Scienze di Base, Corso di Laurea Triennale in Scienze Biologiche. Thesis, Candidata Maria Natale Villano: Thesis: L'elettroforesi nello studio delle proteine: approccio proteomico per lo studio della mortalità embrionale nella specie bufalina. Tutor, Prof. Ida Ferrandino. Co-tutor, Prof. Maria Luisa Balestrieri (AA 2013-2014).

Facoltà di Farmacia, Università degli studi di Napoli "Federico II". Student: Rita Miele. Thesis: Effetti dei costituenti fenolici estratti dalla corteccia di Yucca Schidigera in cellule del Sarcoma di Kaposi. Tutor. Prof. Alfredo Colonna. Co-tutor, Prof.ssa Maria Luisa Balestrieri (AA 2005-2006).

EDITORIAL BOARD MEMBER

-International Journal of Molecular Sciences- Editorial Board of Section 'Molecular Pathology, Diagnostics, and Therapeutics'.

Translational Medicine Reports (PAGEPress) (url: <http://www.pagepressjournals.org/index.php/tmr>).

The Open Biochemistry Journal.

Guest Editor - Special Issue "Sirtuins and Epigenetics in Aging and Diseases" International Journal of Molecular Sciences- Section 'Molecular Pathology, Diagnostics, and Therapeutics'

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