



## POSIZIONI LAVORATIVE ATTUALI

Professore Ordinario di Patologia Clinica (SSD MED/05), Dipartimento di Scienze Mediche e Chirurgiche Avanzate, dell'Università degli Studi della Campania "L. Vanvitelli"

Direttore della U.O.C. di Immunologia Clinica ed Immunoematologia, Medicina Trasfusionale ed Immunologia dei Trapianti, Dipartimento Assistenziale di Medicina Interna della A.O.U. dell'Università degli Studi della Campania "L. Vanvitelli"

Direttore del Laboratorio Regionale di Riferimento di Immunologia dei Trapianti della Regione Campania presso l'Azienda Ospedaliera Universitaria dell'Università della Campania "L. Vanvitelli"

Senior Investigator IRCCS SDN, Napoli

Autore di oltre 360 articoli in extenso su riviste internazionali peer-reviewed (tra cui The Lancet, Journal of Clinical Investigation, Cell, Circulation, Circulation Research, ASTVB, JACC, FASEB Journal, Nature Rev Cardiol, Biol Chem, Stem cells, Journal of Hypertension, European Heart Journal, Cardiovascular Research e PNAS)

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Citation index (Scopus): 70

## TITOLI DI STUDIO

1989-1990 Laurea in Medicina e Chirurgia Summa cum laude (110 e lode), Università "Federico II" di Napoli conseguita il 06/07/1990

1993-1994 Specializzazione in Cardiologia (70 e lode), Università "Federico II" di Napoli conseguita il 25/10/1994

1997-1998 Specializzazione in Geriatria e Gerontologia (70 e lode), Università "Federico II" di Napoli conseguita il 29/10/1998

2001-2002 Dottore di Ricerca XIV<sup>o</sup> Ciclo in Medicina Neurovegetativa, Università degli Studi di Catania conseguito il 29/04/2002

2002-2003 Master di II Livello in Bioetica Summa cum laude, Ateneo Pontificio Reginae Apostolorum, Roma conseguito il 15/05/2003

## ISTRUZIONE E FORMAZIONE

1996 Fellowship, Università dell'Iowa, USA

1994-1995 Fellowship AIDS, Istituto Superiore di Sanità, Roma, Italia

1993 Fellowship, Società Italiana di Cardiologia, Istituto di Scienze Cardiovascolari, Università di Torino, Italia

1992 Fellowship Fondazione Menarini, Firenze, Italia

1991 Fellowship Ministero della Sanità, Roma, Italia

## ESPERIENZE ESTERE (selezionate)

2007-2014 Adjunct Professor of Medicine (part-time research serie), Temple University, PA, USA

2004-2010 Adjunct Research Professor of Medicine (part-time serie), Boston University, MA, USA

1999-2003 Adjunct Associate Professor of Medicine (visiting serie), San Diego University, CA, USA

1997-1999 Adjunct Assistant Professor of Medicine (visiting serie) San Diego University, CA, USA

## AFFILIAZIONI PROFESSIONALI

Membro della New York Academy of Sciences

Membro dell'American Association for the Advancement of Science (AAAS)

Fellow dell'American College of Angiology (ACA)

Membro del Council-WG on Vascular Biology and Arteriosclerosis, European Society of Cardiology (ESC)

Membro dell'International Society of Blood Transfusion (ISBT), WG Donors and Donations, WG GBS

Membro dell'European Federation for Immunogenetics (EFI)

## GRANT APPROVATI (selezione)

2019 Responsabile Progetto PRIN MIUR (codice 2017F8ZB89) `DNA methylation dynamics for enhancing adipose-derived stem cells therapeutic efficacy in regeneration both of soft tissue defects and fistulizing chronic intestinal diseases`.

2016 Supervisore Progetto Giovani Ricercatori 2016 Ministero della Salute, IRCCS SDN, (codice GR-2016-02364785) `Epigenetic hallmarks in cardiac imaging for coronary heart disease patients`.

2013-2018 PI progetto Ricerca Corrente 2013-2015\_ (codice RRC-2015-2360454), Ministero della Salute, IRCCS SDN, `Approccio diagnostico integrato tra moderne tecniche di imaging e nuovi marcatori biomolecolari nelle lesioni ossee`.

2013-2017 Supervisore progetto `Giovani Ricercatori 2011-12\_ Ministero della Salute, IRCCS SDN, (codice GR-2011-02349436) `Evaluation of the epigenetic signature in coronary atherosclerotic lesion progression by CT angiography`.

2014-2017 PI Progetto Ricerca Finalizzata 2011-2012 Ministero della Salute, IRCCS SDN, (RF-2011-02349443) `Integrated diagnostic evaluation of PET/RM and molecular markers in the diagnosis of bone lesions`.

2014-2016 British Heart Foundation `MicroRNA and Vascular disease`.

2013-2016 Partecipante nella unità operative della Seconda Università di Napoli nel progetto `Gene, environment and metabolism`, PRIN MIUR.

2012-presente Responsabile del `Fondo straordinario Regione Campania 2013\_.  
2010-2011 Responsabile del progetto Foundation Jerome Lejeune Paris France `Endothelial Progenitors in Down Syndrome\_.  
2010 Responsabile progetto Legge 5 Ricerca Sanitaria Regione Campania (codice BRC1498BLSMLS68L44F839P).  
2008-2012 Co-PI R01GRANT NIH `Fetal Atherogenesis\_.  
2008-2009 Responsabile del fondo Regione Campania 2008.  
2006-2009 Co-PI of NIH/NHLBI RO1 sulla aterogenesi.  
2006-2008 e 2009-2011, Responsabile di due finanziamenti PRIN MIUR (200622153\_002) e (2008T85HLH\_002) presso la Seconda Universit  di Napoli.  
2006 Partecipante ai `Mayo Research Funds\_

#### ATTIVITA ́ EDITORIALI

Circulation (2002-2016); JACC (2017-presente); Vascular Cell (2006-presente); Guest Editor Cardiovascular Research (2007-presente); Guest Editor Stem Cell International (2009-presente); Guest Editor Stroke (1997--presente); Proceedings of the National Academy of Sciences of USA (Guest Editor per invito da parte di Louis J. Ignarro); revisore ad hoc per le pi  importanti riviste della Comunit  Scientifica.

#### RICONOSCIMENTI NAZIONALI ED INTERNAZIONALI (Selezionati)

2020 (31 marzo) Idoneit  conferita dal Ministero della Salute alla nomina di Direttore Generale delle Aziende Sanitarie Locali, delle Aziende Ospedaliere e degli antri Enti del Servizio Sanitario (Prot. DGPROF 0016517-P-31/03/2020)  
2019 (05 luglio) Certificazione Manageriale Formez PA e Regione Campania `Corso di Formazione Manageriale per Direttori Generali di Aziende ed Enti del Servizio Sanitario della Regione Campania\_  
2019 (21 febbraio) Certificazione Manageriale Formez PA e Regione Campania `Corso di Formazione Manageriale per Direttore Sanitario e Direttore di Unit  Organizzativa Complessa di Aziende ed Enti del Servizio Sanitario Regionale\_  
2019 Certificazione ECA (Academy European Community) ECA Certified Data Integrity Manager, Heidelberg, Germania  
2018-presente membro del Comitato Tecnico Scientifico per i Trapianti d`Organo della Regione Campania  
2018-presente professore membro del corso di Dottorato di Ricerca in Medicina Traslazionale, Universit  della Campania `L. Vanvitelli\_, Napoli  
2018 Certificazione ECA (Academy European Community) ECA Certified Biotech Manager, Heidelberg, Germania  
2018 Certificazione EUBIS (European Blood Inspection System) `Good practices in blood components and medicinal referring to GPG and GMP. Quality management and inspection criteria for blood establishments\_  
2018 Certificazione ECA (Academy European Community) Blood, Blood Products and Plasma-Quality and Safety, Heidelberg, Germania  
2017-presente membro del Comitato Etico, Universit  della Campania `L. Vanvitelli\_, Azienda Ospedaliera Universitaria `Luigi Vanvitelli\_- AORN `Ospedali dei Colli\_  
2017 `Corso Semestrale\_ Universit  degli Studi Federico II e Regione Campania `Risk Management e Responsabilit  professionale - Analisi e Gestione del rischio clinico produttivo del danno di rilievo medico-legale al paziente\_, Napoli  
2017 Auditor Quality in Health ISO 9001:2015, Certiquality, Milan, Italy.  
2017 Certificazione 12th QP (Quality Person) Forum Pre-Conference, Budapest, Ungheria  
2016 Auditor Quality in Health ISO 9001:2015, Certiquality, Milan, Italy.

2014 Certificazione ECA (Academy European Community) Blood, Blood Products and Plasma-Quality and Safety, Heidelberg, Germania  
 2013 Certificazione ASHI (American Society for Histocompatibility and Immunogenetics) per Direttore LIT  
 2013 European Transplantation Coordinator, Universitat de Barcelona TPM (Transplant Procurement Management), Spagna  
 2012-2013 Revisori dei progetti per la `Israel Science Foundation (ISF)\_  
 2012-presente membro del `Council on Vascular Biology, European Society of Cardiology (ESC)\_  
 2012 Coordinatore nazionale trapianti, TPM (Transplant Procurement Management), Imola, Italia  
 2012-2016 membro dell'ANVUR GEV06 di Medicina, Roma, Italia  
 2013-2017 Coordinatore del Centro Regionale Trapianti(CRT) della Regione Campania in affiancamento al DIT e Centro Nazionale Trapianti (CNT) presso AORN Cardarelli di Napoli.  
 2011-2013 Coordinatore del Centro Regionale Trapianti(CRT) della Regione Campania presso AORN Cardarelli di Napoli.  
 2011-2015 membro del `Consiglio Scientifico Permanente del CCM\_, Ministero della Salute, Roma, Italia.  
 2011 Certificazione EUBIS (European Blood Inspection System) `Quality management and inspection criteria for blood establishments\_  
 2011 Visiting Professor, King Saud University, Saudi Arabia  
 2011-presente membro del `Canadian Epigenetics, Environment and Health and Research Consortium\_, Montreal, Canada  
 2010-2015 Esperto in Scienze Biomediche, DG Health, Regione Campania, Italia  
 2010 Certificazione EFI (European Federation for Immunogenetics) Director LIT-AOU, Universit` della Campania `L. Vanvitelli\_  
 2010 Auditor internazionale per progetti scientifici del governo canadese  
 2009-2012 Membro del Comitato Etico, IRCCS Multimedica, Milano, Italia  
 2008-2009 Presidente della Commissione di Dottorato Internazionale in Patologia Molecolare, Universit` degli Studi di Siena, Italia  
 2008-2013 Revisore di progetti di ricerca per la `Northern Ireland Chest Heart Cardiovascular & Stroke Association\_  
 2007- presente Esperto per la commissione europea nell'ambito del 7<sup>o</sup> PQ and Horizon 2020  
 2006-2009 Revisore di progetti di ricerca cardiovascolari del governo austriaco, Vienna, Austria  
 2007-2016 Membro di diversi comitati scientifici nazionali sullo studio delle cellule staminali  
 2007-2009 Assegnazione Ufficiale del MIUR come membro della Commissione nazionale dei professori Associati di Patologia Clinica, Roma, Italia  
 2005-2016 Membro del corso di Dottorato di Ricerca in Medicina di Laboratorio, e Bioingegneria Molecolare e Cellulare, Universit` La Sapienza, Roma, Italia  
 2002- 2005 Membro del `Gruppo di Lavoro nell'Alta Formazione\_, MIUR, Roma, Italia

#### PREMI (selezione)

2017- Circulation Appreciation Editorial Award  
 2014- Membro della ECA (Academy European Community), Berlino, Germania  
 2013- Appreciation Award, Who is Who in Medical Sciences  
 2010- Vascular Cell Scientist Award, King Saud University, Saudi Arabia  
 2008- Visiting Scientist Award, Konkuk Universit` di Seoul, Corea.  
 2007- Travel Scientist Award, European Congress of Atherosclerosis, Helsinki, Finlandia  
 2006- International Award Scientist, Divisione di Diabetologia, Universit` di Dublino, Irlanda  
 2005- Master Lecture, terzo congresso mondiale sull'Ossido Nitrico, Berlino, Germania.

2004- Research Award, 6th World Congress on Aging and Physical Activity. London, Ontario, Canada.

2004- Research Award in patologia vascolari on `Natural antioxidants and physical shear-stress\_, IInd International Meeting on Pomegranate Juice, Los Angeles, California, USA

2004- Appreciation Award, Who is Who in Medical Science

2003- Research Award `Graduated physical exercise and oxidative stress\_ Symposium on Vascular Biology, Monaco, Germania.

2003- Master Lecture on `Pathogenesis of Vascular Disease and Protection by Physical Exercise\_ Neuroscience Meeting, New Orleans, Louisiana, USA

2003- Research Award `Molecular Mechanism in Endothelial Dysfunction\_ First International Meeting on Nitric Oxide, Barcellona, Spagna.

2002 Coordinatore Scientifico, moderatore e speaker nel `Current concepts in myocardial ischemia and vascular diseases\_, Fondazione Internazionale Menarini, Napoli, Italia.

2001- Research Award on `Nitric Oxide Releasing Compounds\_, Prince of Wales Hospital, Universit̄ di Hong-Kong, Hong-Kong.

1999- Lancet Scientific Award per uno dei 4 migliori articoli pubblicati in Lancet (Lancet 1999; 354:1234-1241)

1999- Master Lecture `Fetal Hypothesis of Atherogenesis\_, St. Thomas Hospital, Londra, UK.

1998- Research Award `Fetal and early Childhood Atherosclerosis\_, Universit̄ di Oslo, Norvegia.

1997- Young Investigator Award `Lipid peroxidation in human Fetal Aortas\_, Satellyte Course on Early Atherogenesis, Parigi, Francia.

1995- Young Investigator Award, XIIth Corso Internazionale `Drugs Affecting Lipid Metabolism\_, Houston, Texas, USA

1992- Award for Cardiovascular Research, Fondazione Menarini, Firenze, Italia

1992- Award, Fondazione A.R.F.A.C.I.D. Napoli, Italia

1991- Research Award `Associazione per la Ricerca in Cardiologia\_ Bari, Italia

## SELECTED INTERNATIONAL PUBLICATIONS IN EXTENSO FROM 1990 TO 2008

Ambrosio G, Oriente A, Napoli C, Palumbo G, Chiariello P, Marone G, Condorelli M, Chiariello M, Triggiani M. Oxygen radicals inhibit human plasma acetylhydrolase, the enzyme that catabolizes platelet - activating factor. *Journal of Clinical Investigation* 1994;93:2408 - 16.

Napoli C, Ambrosio G, Scarpato N, Corso G, Palumbo G, D'Armiendo FP, Mancini FP, Malorni A, Formisano S, Ruocco A, Cal<sup>o</sup> A, Chiariello M. Decreased low - density lipoprotein oxidation after repeated selective apheresis in homozygous familial hypercholesterolemia. *American Heart Journal* 1997;133:585 - 95.

Napoli C, Cicala C, Wallace JL, de Nigris F, Santagada V, Caliendo G, Franconi F, Ignarro LJ, Cirino G. Protease - activated receptor - 2 modulates myocardial ischemia - reperfusion injury in the rat heart. *Proceedings of the National Academy of Sciences U S A.* 2000;97:3678 - 83.

Condorelli G, Aycock JK, Frati G, Napoli C. Mutated p21/WAF/CIP transgene overexpression reduces smooth muscle cell proliferation, macrophage deposition, oxidation - sensitive mechanisms, and restenosis in hypercholesterolemic apolipoprotein E knockout mice. *FASEB Journal* 2001;15:2162 - 70.

Napoli C, de Nigris F, Welch JS, Calara FB, Stuart RO, Glass CK, Palinski W. Maternal hypercholesterolemia during pregnancy promotes early atherogenesis in LDL receptor  $\alpha$ -deficient mice and alters aortic gene expression determined by microarray. *Circulation*. 2002;105:1360 - 7.

Condorelli G, Morisco C, Latronico MV, Claudio PP, Dent P, Tschlis P, Condorelli G, Frati G, Drusco A, Croce CM, Napoli C. TNF  $\alpha$  signal transduction in rat neonatal cardiac myocytes: definition of pathways generating from the TNF  $\alpha$  receptor. *FASEB Journal* 2002;16:1732 - 7.

Napoli C, Williams  $\alpha$  Ignarro S, de Nigris F, de Rosa G, Lerman LO, Farzati B, Matarazzo A, Sica G, Botti C, Fiore A, Byrns RE, Sumi D, Sica V, Ignarro LJ. Beneficial effects of concurrent autologous bone marrow cell therapy and metabolic intervention in ischemia  $\alpha$  induced angiogenesis in the mouse hindlimb. *Proceedings of the National Academy of Sciences USA* 2005;102:17202 - 6.

Yamashita T, Freigang S, Eberle C, Pattison J, Gupta S, Napoli C, Palinski W. Maternal immunization programs postnatal immune responses and reduces atherosclerosis in offspring. *Circulation Research* 2006;99:e51 - 64.

de Nigris F, Botti C, Rossiello R, Crimi E, Sica V, Napoli C. Cooperation between Myc and YY 1 provides novel silencing transcriptional targets of  $\alpha$ 3beta1  $\alpha$  integrin in tumour cells. *Oncogene*. 2007;26:382 - 94.

Casamassimi A, Balestrieri ML, Fiorito C, Schiano C, Maione C, Rossiello R, Grimaldi V, Del Giudice V, Balestrieri C, Farzati B, Sica V, Napoli C. Comparison between total endothelial progenitor cell isolation versus enriched CD133+ culture. *Journal of Biochemistry* 2007; 141:503 - 11.

Baker AH, Sica V, Work LM, Williams  $\alpha$  Ignarro S, de Nigris F, Lerman LO, Casamassimi A, Lanza A, Schiano C, Rienzo M, Ignarro LJ, Napoli C. Brain protection using autologous bone marrow cell, metalloproteinase inhibitors, and metabolic treatment in cerebral ischemia. *Proceedings of the National Academy of Sciences USA* 2007;104:3597 - 602.

Balestrieri ML, Napoli C. Novel challenges in exploring peptide ligands and corresponding tissue  $\alpha$  specific endothelial receptors. *European Journal of Cancer*. 2007;43:1242 - 50.

Napoli C, Maione C, Schiano C, Fiorito C, Ignarro LJ. Bone marrow cell  $\alpha$  mediated cardiovascular repair: potential of combined therapies. *Trends Molecular Medicine* 2007;13:278 - 86.

de Nigris F, Balestrieri ML, Williams  $\alpha$  Ignarro S, D'Armiento FP, Lerman LO, Byrns R, Crimi E, Palagiano A, Fatigati G, Ignarro LJ, Napoli C. Therapeutic effects of autologous bone marrow cells and metabolic intervention in the ischemic hindlimb of spontaneously hypertensive rats involve reduced cell senescence and CXCR4/Akt/eNOS pathways. *Journal of Cardiovascular Pharmacology* 2007;50:424 - 33.

Palinski W, Yamashita T, Freigang S, Napoli C. Developmental programming: maternal hypercholesterolemia and immunity influence susceptibility to atherosclerosis. *Nutritional Review* 2007;65(12 Pt 2):S182 - 7.

Liguori A, Fiorito C, Balestrieri ML, Crimi E, Bruzzese G, Williams - Ignarro S, D'Amora M, Sommese L, Grimaldi V, Minucci PB, Giovane A, Farzati B, Ignarro LJ, Napoli C. Functional impairment of hematopoietic progenitor cells in patients with coronary heart disease. *European Journal of Haematology* 2008;80:258 - 64.

Balestrieri ML, Balestrieri A, Mancini FP, Napoli C. Understanding the immunoangiostatic CX C chemokine network. *Cardiovascular Research* 2008;78:250 - 6.

Waddington SN, McVey JH, Bhella D, Parker AL, Barker K, Atoda H, Pink R, Buckley SM, Greig JA, Denby L, Custers J, Morita T, Francischetti IM, Monteiro RQ, Barouch DH, van Rooijen N, Napoli C, Havenga MJ, Nicklin SA, Baker AH. Adenovirus serotype 5 hexon mediates liver gene transfer. *Cell*. 2008;132:397 - 409.

de Nigris F, Rossiello R, Schiano C, Arra C, Williams - Ignarro S, Barbieri A, Lanza A, Balestrieri A, Giuliano MT, Ignarro LJ, Napoli C. Deletion of Y in Yang 1 protein in osteosarcoma cells on cell invasion and CX CR4/angiogenesis and metastasis. *Cancer Research* 2008;68:1797 - 808.

Napoli C, Williams - Ignarro S, Byrns R, Balestrieri ML, Crimi E, Farzati B, Mancini FP, de Nigris F, Matarazzo A, D'Amora M, Abbondanza C, Fiorito C, Giovane A, Florio A, Varricchio E, Palagiano A, Minucci PB, Tecce MF, Giordano A, Pavan A, Ignarro LJ. Therapeutic targeting of the stem cell niche in experimental hindlimb ischemia. *Nature Clinical Practice Cardiovascular Medicine* 2008;5:571 - 9.

Napoli C, Farzati B, Sica V, Iannuzzi E, Coppola G, Silvestroni A, Balestrieri ML, Florio A, Matarazzo A. Beneficial effects of autologous bone marrow cell infusion and antioxidants/L - arginine in patients with chronic critical limb ischemia. *European Journal of Cardiovascular Prevention and Rehabilitation* 2008;15:709 - 18.

## SELECTED INTERNATIONAL PUBLICATIONS IN EXTENSO FROM 2009 TO 2019

Di Bernardo G, Galderisi U, Fiorito C, Squillaro T, Cito L, Cipollaro M, Giordano A, Napoli C. Dual role of parathyroid hormone in endothelial progenitor cells and marrow stromal mesenchymal stem cells. *J Cell Physiol*. 2010 Feb;222(2):474 - 80.

Balestrieri ML, Lu SJ, de Nigris F, Giovane A, Williams - Ignarro S, D'Armiento FP, Feng Q, Fiorito C, Testa G, Pastore L, Cacciatore F, Mancini FP, Servillo L, De Rosa G, Pagliarulo C, Rienzo M, Minucci PB, Farzati B, Salvatore F, Rengo F, Ignarro LJ, Giordano A, Baker A, Lanza R, Napoli C. Therapeutic angiogenesis in diabetic apolipoprotein E - deficient mice using bone marrow cells, functional hemangioblasts and metabolic intervention. *Atherosclerosis*. 2010 Apr;209(2):403 - 14. Epub 2009 Oct 29.

Rienzo M, Nagel J, Casamassimi A, Giovane A, Dietzel S, Napoli C. Mediator subunits: gene expression pattern, a novel transcript identification and nuclear localization in human endothelial progenitor cells. *Biochim Biophys Acta*. 2010 Jul;1799(7):487 - 95. Epub 2010 May 21.

Balestrieri ML, Giovane A, Milone L, Felice F, Fiorito C, Crudele V, Esposito A, Rossiello R, Minucci PB, Farzati B, Servillo L, Napoli C. Modification of the detrimental effect of TNF - on

human endothelial progenitor cells by fasudil and Y 27632. *J Biochem Mol Toxicol*. 2010 Nov - Dec;24(6):351 - 60.

Costa V, Sommese L, Casamassimi A, Colicchio R, Angelini C, Marchesano V, Milone L, Farzati B, Giovane A, Fiorito C, Rienzo M, Picardi M, Avallone B, Marco Corsi M, Sarubbi B, Calabr R, Salvatore P, Ciccodicola A, Napoli C. Impairment of circulating endothelial progenitors in Down syndrome. *BMC Med Genomics*. 2010 Sep 13;3:40.

Napoli C, Hayashi T, Cacciatore F, Casamassimi A, Casini C, Al - Omran M, Ignarro LJ. Endothelial progenitor cells as therapeutic agents in the microcirculation: an update. *Atherosclerosis*. 2011 Mar;215(1):9 - 22. Epub 2010 Nov 3. Review.

Napoli C. Developmental mechanisms involved in the primary prevention of atherosclerosis and cardiovascular disease. *Curr Atheroscler Rep*. 2011 Apr;13(2):170 - 5. Review.

Cacciatore F, Bruzzese G, Vitale DF, Liguori A, de Nigris F, Fiorito C, Infante T, Donatelli F, Minucci PB, Ignarro LJ, Napoli C. Effects of ACE inhibition on circulating endothelial progenitor cells, vascular damage, and oxidative stress in hypertensive patients. *Eur J Clin Pharmacol*. 2011 Sep;67(9):877 - 83.

Costa V, Angelini C, D'Apice L, Mutarelli M, Casamassimi A, Sommese L, Gallo MA, Aprile M, Esposito R, Leone L, Donizetti A, Crispi S, Rienzo M, Sarubbi B, Calabr R, Picardi M, Salvatore P, Infante T, De Berardinis P, Napoli C, Ciccodicola A. Massive - scale RNA - Seq analysis of non ribosomal transcriptome in human trisomy 21. *PLoS One*. 2011 Apr 20;6(4):e18493.

Napoli C, Infante T, Casamassimi A. Maternal - foetal epigenetic interactions in the beginning of cardiovascular damage. *Cardiovasc Res*. 2011 Dec 1;92(3):367 - 74. Epub 2011 Jul 15. Review.

Crudele V, Picascia A, Infante T, Grimaldi V, Maiello C, Napoli C. Repeated immune and non immune insults to the graft after heart transplantation. *Immunol Lett*. 2011 Dec 30;141(1):18 - 27. Epub 2011 Jul 22. Review.

Mahmood A, Napoli C, Aldahmash A. In vitro differentiation and maturation of human embryonic stem cell into multipotent cells. *Stem Cells Int*. 2011;2011:735420. Epub 2011 Aug 9.

Napoli C, Sessa M, Infante T, Casamassimi A. Unraveling framework of the ancestral Mediator complex in human diseases. *Biochimie*. 2012 Mar;94(3):579 - 87. Epub 2011 Oct 1.

Minucci PB, Grimaldi V, Casamassimi A, Cacciatore F, Sommese L, Picascia A, Resse M, Sabia C, Russo A, Napoli C. Methodologies for anti - HLA antibody screening in patients awaiting kidney transplant: a comparative study. *Exp Clin Transplant*. 2011 Dec;9(6):381 - 6.

Lu SJ, Lee RJ, Napoli C, Oh S, Kimbrel EA, Feng Q. The Promise and Therapeutic Potential of Human ES and iPS Cells. *Stem Cells Int*. 2011;2011:959275.

de Nigris F, Schiano C, Infante T, Napoli C. CXCR4 inhibitors: tumor vasculature and therapeutic challenges. *Recent Pat Anticancer Drug Discov*. 2012 Sep;7(3):251 - 64.



Casamassimi A, Grimaldi V, Infante T, Al - Omran M, Crudele V, Napoli C. Adult stem cells and the clinical arena: are we able to widely use this therapy in patients with chronic limbs arteriopathy and ischemic ulcers without possibility of revascularization? *Cardiovasc Hematol Agents Med Chem.* 2012; 10:99 - 108.

Schiano C, Grimaldi V, Casamassimi A, Infante T, Esposito A, Giovane A, Napoli C. Different expression of CD146 in human normal and osteosarcoma cell lines. *Med Oncol.* 2012 Dec;29(4):2998 - 3002.

Grimaldi V, Napoli C. The effect of HLA - DR matching on pediatric kidney transplantation. *Arch Surg.* 2012 Jan;147(1):97 - 98.

Grimaldi V, Montesano ML, Infante T, Napoli C. The role of HLA and KIR in anti - TNF therapy. *Joint Bone Spine.* 2013 Jan;80(1):118 - 119.

Sommese L, Pagliuca C, Avallone B, Ippolito R, Casamassimi A, Costa V, Colicchio R, Cerciello R, D'Armiento M, Scarpato M, Giovane A, Pastore G, Infante T, Ciccodicola A, Fiorito C, D'Armiento FP, Salvatore P, Napoli C. Evidence of *Bacteroides fragilis* protection from *Bartonella henselae* - induced damage. *PLoS One.* 2012;7(11):e49653.

Picascia A, Grimaldi V, Napoli C. HLA match in operational tolerance after pediatric living - donor liver transplantation. *Transplantation International* 2012 Oct;25(10):e106 - 7.

Picascia A, Grimaldi V, Zullo A, Infante T, Maiello C, Crudele V, Sessa M, Mancini FP, Napoli C. Current concepts in histocompatibility during heart transplant. *Exp Clin Transplant.* 2012 Jun;10(3):209 - 18.

Napoli C, Crudele V, Soricelli A, Al - Omran M, Vitale N, Infante T, Mancini FP. Primary prevention of atherosclerosis: a clinical challenge for the reversal of epigenetic mechanisms? *Circulation.* 2012 May 15;125(19):2363 - 73.

Picascia A, Infante T, Napoli C. Luminex and antibody detection in kidney transplantation. *Clin Exp Nephrol.* 2012 Jun;16(3):373 - 81.

Rienzo M, Casamassimi A, Schiano C, Grimaldi V, Infante T, Napoli C. Distinct alternative splicing patterns of mediator subunit genes during endothelial progenitor cell differentiation. *Biochimie.* 2012 Aug;94(8):1828 - 32.

Eberle C, Merki E, Yamashita T, Johnson S, Armando AM, Quehenberger O, Napoli C, Palinski W. Maternal immunization affects in utero programming of insulin resistance and type 2 diabetes. *PLoS One.* 2012;7(9):e45361.

Napoli C, Zullo A, Picascia A, Infante T, Mancini FP. Recent advances in proteomic technologies applied to cardiovascular disease. *J Cell Biochem.* 2013 Jan;114(1):7 - 20.

Rienzo M, Schiano C, Casamassimi A, Grimaldi V, Infante T, Napoli C. Identification of valid reference housekeeping genes for gene expression analysis in tumor neovascularization studies. *Clin Transl Oncol.* 2013 Mar;15(3):211 - 8.

- Paolillo R, Vasco M, Napoli C. Specific microorganism strains for achieving specific health targets in children undergoing hematopoietic stem cell transplant. *Exp Clin Transplant*. 2013 Oct;11(5):469 - 70.
- Schiano C, Rienzo M, Casamassimi A, Napoli C. Gene expression profile of the whole Mediator complex in human osteosarcoma and normal osteoblasts. *Med Oncol*. 2013 Dec;30(4):739.
- Vasco M, Paolillo R, Napoli C. Finding new HLA - C alleles is useful for the success of bone marrow transplantation. *Saudi J Kidney Dis Transpl*. 2013 Sep;24(5):1000 - 2.
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