

## ***Brief Curriculum Vitae***

### ***Professor Claudio Napoli***

Full Professor of Clinical Pathology, (SSD, MED/05), Department of Medical, Surgical, Neurological, Metabolic and Geriatric Sciences, Director of Division (U.O.C.) Clinical Immunology, Immunoematology, Transfusion Medicine and Transplant Immunology, DAI, Department of Internal Medicine, Azienda Ospedaliera Universitaria (AOU), Università della Campania 'Luigi Vanvitelli', Piazza Miraglia, 2, Naples 80138, Italy.

*Degree Summa Cum laude (110 e lode) in Medicine and Surgery (M.D.), Federico II University of Naples, Italy; Board Certification Summa cum Laude (70 e lode) in Cardiology and Angiology, Federico II University of Naples, Italy; Board Certification Summa cum Laude (70 e lode) in Geriatrics and Gerontology, Federico II University of Naples, Italy; Ph.D. Thesis in Neurovegetative Medicine-Cerebrovascular Disease (Ph.D.) Summa cum Honoris, University of Catania, Italy; Master of IIInd level Summa cum Laude in Human Bioethics (M.B. Eth.), Ateneo Pontificio, Rome, Italy.*

*Author of more than 360 papers in extenso in international peer-reviewed journals (including 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, and PNAS).*

*TOP Italian Scientist Position #50; SCOPUS web Author ID: 35430280800, Documents: 367, Total citations: 49684, H-index: 64 (Scopus), H-index: 76 (Google Scholar).*

*Assignments in International Universities: Temple University, PA, US; Boston University, MA, US; San Diego University, CA, US.*

*Major Research Interest: 1) Cardiovascular Diseases (Atherogenesis, Nitric Oxide); 2) Hematology and Immunoematology (Thalassemia, Coagulation Pathology); 3) Organ Transplantation (Kidney, Heart, Liver).*

### ***Major 35 Publications:***

- 1 Sommesse L, Zullo A, Mancini FP, Fabbri R, Soricelli A, **Napoli C**. Clinical relevance of epigenetics in the onset and management of type 2 diabetes mellitus. **Epigenetics**. 2017;12(6):401-415.
- 2 Schiano C, Costa V, Aprile M, Grimaldi V, Maiello C, Esposito R, Soricelli A, Colantuoni V, Donatelli F, Ciccodicola A, **Napoli C**. Heart failure: Pilot transcriptomic analysis of cardiac tissue by RNA-sequencing. **Cardiol J**. 2017;24(5):539-553.
- 3 **Napoli C**, Omboni S, Borghi C; ZAMES (Zofenopril in Advanced Metabolic Syndrome) Study Group. Fixed-dose combination of zofenopril plus hydrochlorothiazide vs. irbesartan plus hydrochlorothiazide in hypertensive patients with established metabolic syndrome uncontrolled by previous monotherapy. The ZAMES study (Zofenopril in Advanced METabolic Syndrome). **J Hypertens**. 2016 Nov;34(11):2287-97.

- 4 Schiano C, Vietri MT, Grimaldi V, Picascia A, De Pascale MR, **Napoli C**. Epigenetic-related therapeutic challenges in cardiovascular disease. **Trends Pharmacol Sci**. 2015;36(4):226-35.
- 5 Picascia A, Grimaldi V, Pignalosa O, De Pascale MR, Schiano C, **Napoli C**. Epigenetic control of autoimmune diseases: from bench to bedside. **Clin Immunol**. 2015;157(1):1-15.
- 6 Rienzo M, Costa V, Scarpato M, Schiano C, Casamassimi A, Grimaldi V, Ciccodicola A, **Napoli C**. RNA-Seq for the identification of novel Mediator transcripts in endothelial progenitor cells. **Gene**. 2014;547(1):98-105.
- 7 **Napoli C**, Paolisso G, Casamassimi A, Al-Omran M, Barbieri M, Sommese L, Infante T, Ignarro LJ. Effects of nitric oxide on cell proliferation: novel insights. **J Am Coll Cardiol**. 2013;62(2):89-95.
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- 9 de Nigris F, Zanella L, Cacciatore F, De Chiara A, Fazioli F, Chiappetta G, Apice G, Infante T, Monaco M, Rossiello R, De Rosa G, Alberghini M, **Napoli C**. YY1 overexpression is associated with poor prognosis and metastasis-free survival in patients suffering osteosarcoma. **BMC Cancer**. 2011;11:472.
- 10 de Nigris F, Crudele V, Giovane A, Casamassimi A, Giordano A, Garban HJ, Cacciatore F, Pentimalli F, Marquez-Garban DC, Petrillo A, Cito L, Sommese L, Fiore A, Petrillo M, Siani A, Barbieri A, Arra C, Rengo F, Hayashi T, Al-Omran M, Ignarro LJ, **Napoli C**. CXCR4/YY1 inhibition impairs VEGF network and angiogenesis during malignancy. **Proc Natl Acad Sci U S A**. 2010;107(32):14484-9.
- 11 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(3):397-409.
- 12 Salvatore P, Casamassimi A, Sommese L, Fiorito C, Ciccodicola A, Rossiello R, Avallone B, Grimaldi V, Costa V, Rienzo M, Colicchio R, Williams-Ignarro S, Pagliarulo C, Prudente ME, Abbondanza C, Lamberti F, Baroni A, Buommino E, Farzati B, Tufano MA, Ignarro LJ, **Napoli C**. Detrimental effects of *Bartonella henselae* are counteracted by L-arginine and nitric oxide in human endothelial progenitor cells. **Proc Natl Acad Sci U S A**. 2008;105(27):9427-32.
- 13 Palinski W, **Napoli C**. Impaired fetal growth, cardiovascular disease, and the need to move on. **Circulation**. 2008 Jan 22;117(3):341-3.
- 14 Lanza A, Cirillo N, Rossiello R, Rienzo M, Cuttillo L, Casamassimi A, de Nigris F, Schiano C, Rossiello L, Femiano F, Gombos F, **Napoli C**. Evidence of key role of Cdk2 overexpression in pemphigus vulgaris. **J Biol Chem**. 2008;283(13):8736-45.
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- 16 Crimi E, Ignarro LJ, **Napoli C**. Microcirculation and oxidative stress. **Free Radic Res**. 2007;41(12):1364-75.

- 17 **Napoli C**, Williams-Ignarro S, de Nigris F, Lerman LO, D'Armiento FP, Crimi E, Byrns RE, Casamassimi A, Lanza A, Gombos F, Sica V, Ignarro LJ. Physical training and metabolic supplementation reduce spontaneous atherosclerotic plaque rupture and prolong survival in hypercholesterolemic mice. **Proc Natl Acad Sci U S A**. 2006;103(27):10479-10484.
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- 19 Chade AR, Zhu X, Mushin OP, **Napoli C**, Lerman A, Lerman LO. Simvastatin promotes angiogenesis and prevents microvascular remodeling in chronic renal ischemia. **FASEB J**. 2006;20(10):1706-8.
- 20 Herrmann J, Lerman LO, Mukhopadhyay D, **Napoli C**, Lerman A. Angiogenesis in atherogenesis. **Arterioscler Thromb Vasc Biol**. 2006;26(9):1948-57.
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- 23 de Nigris F, Williams-Ignarro S, Lerman LO, Crimi E, Botti C, Mansueto G, D'Armiento FP, De Rosa G, Sica V, Ignarro LJ, **Napoli C**. Beneficial effects of pomegranate juice on oxidation-sensitive genes and endothelial nitric oxide synthase activity at sites of perturbed shear stress. **Proc Natl Acad Sci U S A**. 2005;102(13):4896-901.
- 24 Zhu XY, Rodriguez-Porcel M, Bentley MD, Chade AR, Sica V, **Napoli C**, Caplice N, Ritman EL, Lerman A, Lerman LO. Antioxidant intervention attenuates myocardial neovascularization in hypercholesterolemia. **Circulation**. 2004;109(17):2109-15.
- 25 **Napoli C**, Williams-Ignarro S, De Nigris F, Lerman LO, Rossi L, Guarino C, Mansueto G, Di Tuoro F, Pignalosa O, De Rosa G, Sica V, Ignarro LJ. Long-term combined beneficial effects of physical training and metabolic treatment on atherosclerosis in hypercholesterolemic mice. **Proc Natl Acad Sci U S A**. 2004;101(23):8797-802.
- 26 **Napoli C**, Lerman LO, Sica V, Lerman A, Tajana G, de Nigris F. Microarray analysis: a novel research tool for cardiovascular scientists and physicians. **Heart**. 2003;89(6):597-604.
- 27 **Napoli C**, Lerman LO, de Nigris F, Loscalzo J, Ignarro LJ. Glycooxidized low-density lipoprotein downregulates endothelial nitric oxide synthase in human coronary cells. **J Am Coll Cardiol**. 2002;40(8):1515-22.
- 28 Palinski W, **Napoli C**. Unraveling pleiotropic effects of statins on plaque rupture. **Arterioscler Thromb Vasc Biol**. 2002; 22(11):1745-50.
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- sensitive mechanisms, and restenosis in hypercholesterolemic apolipoprotein E knockout mice. **FASEB J.** 2001;15(12):2162-70.
- 32 de Nigris F, Youssef T, Ciafré S, Franconi F, Anania V, Condorelli G, Palinski W, **Napoli C.** Evidence for oxidative activation of c-Myc-dependent nuclear signaling in human coronary smooth muscle cells and in early lesions of Watanabe heritable hyperlipidemic rabbits: protective effects of vitamin E. **Circulation** 2000;102(17):2111-7.
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