

Curriculum Vitae

Dr. Daniele Mancardi

Title: PhD in Cardiovascular Physiology
Birth date: August 15, 1972
Birthplace: Torino, Italy
Status: Common Law partner, one daughter
Gender: Male
Institution: University of Torino, Department of Clinical and Biological Sciences
Address: ASO San Luigi, Regione Gonzole, 10. 10043 Orbassano (TO), Torino, Italy.
Tel. +39.011.670.5430, Fax. +39+011.9038639
E mail: daniele.mancardi@unito.it

Research/Professional experience:

2015-summer: Visiting Professor at Universidade do Rio Grande do Sul, Porto Alegre, Brazil;
2013: Research Fellowship at Lakehead University, Thunder Bay, ON, Canada;
2012: Research Fellowship at Lakehead University, Thunder Bay, ON, Canada;
2008-Today: Assistant Professor of Physiology, University of Torino, Italy;
2008: Winner of “*Brain Drain Containing*” Fellowship funded by the University of Torino;
2006: Fellowship supported by Regione Piemonte at the University of Torino;
2006: Fellowship supported by the National Institute for Cardiovascular Research;
2005: Post-Doctoral Fellowship funded by Regione Piemonte at the University of Torino;
2005: Post-Doctoral Fellow at the NIH of Bethesda, MD, USA;
2003-2005: PhD student in Cardiovascular Physiology at the NIH of Bethesda, MD, USA;
2001-2005: PhD student in Cardiovascular Physiology, University of Torino;
2000-2001: Research fellow at the University of Torino.

Experimental Techniques:

In vivo thoracic surgery in rodents and big animals;
Ex vivo techniques: isolated heart and Langendorff;
Spectrophotometric assays;
Molecular biology: immunoistochemistry, protein expression, RT-PCR;
Primary and immortalized cell culture, tissue culture;
Development of Data acquisition and Data analysis software.

Prize and awards:

2007- Winner of the Young Researchers Award, Italian Physiological Society.
2017- Winner of the National Scientific Habilitation (ASN) for Associate Professor of Physiology

Teaching:

Pre-doctoral tutor at University of Torino;
Electrocardiography techniques at the Medical School, University of Torino;
Member of the Physiology examination board at the Medical School “San Luigi Gonzaga”;
Member of the Physiology examination board at the Nursing School “San Luigi Gonzaga”;
Member of the Physiology examination board at the Interfaculty School of Sport Sciences;
Lecturer in Physiology at the Nursing School from 2005 through 2009, University of Torino;
Member of the Teachers Panel in the PhD program “Complex Systems in Life Sciences”;
Assistant Professor of Physiology at the Medical School “San Luigi Gonzaga”, University of Torino.

Tutoring:

2015- Nursing graduated student with the study: Secondary prevention practices against acute myocardial infarction in Piedmont Hospitals

2017- Nursing graduated student with the study: Neurophysiology of laugh and the beneficial effects in pediatrics.

2017- Nursing graduated student with the study: Therapeutic educational interventions for a person with myocardial infarction outcomes: literature.

2017- Nursing graduated student with the study: The importance of the caregiver for patients with heart failure.

2018- Nursing graduated student with the study: Cardiac patient's awareness toward the risk of cigarette smoke: role of nurse.

2018- Nursing graduated student with the study: The motivational factors in secondary prevention of the cardiopathic patient.

2018- MS graduated student with the study: Mitochondrial characterization in two immortalized cell lines of angiomylipoma

Research Fields:

Free radicals activity and heart metabolism, protection and development;

Stem cells and reparation of myocardial injuries;

Cardioprotection mechanisms of pre- and post-conditioning;

Effects of Hydrogen Sulfide and Gasotransmitters in cardiovascular diseases;

Role of Hydrogen Sulfide in cell biology and physiology.

Grants:

Grant from Intesa San Paolo, 2018: Biological effects of sub-toxic doses of glyphosate on the cardiovascular and nervous systems. (€ 99,400.00);

Grant from Italian Ministry for University and Research (Ex 60%), 2012: Activation of pro-survival pathways in the postischemic heart in presence of co-morbidities. (€ 4,417.00);

Grant from Italian Ministry for University and Research (Ex 60%) 2012 Role of the system Cystathionine-gamma-lyase/H₂S in mitochondrial dynamic during the development of heart failure. (€ 3,600.00);

Grant from Compagnia San Paolo for the project (co-participant): Modulation of placental & tumoral hypoxia with oxygen-loaded nanobubbles: towards a multidisciplinary therapeutic approach (€ 228,054.00);

Grant from Regione Piemonte for the project: "Role of endogenous Hydrogen Sulfide on myocardial post-ischemic recovery and novel drugs study" (€ 12,000.00);

Grant from Regione Piemonte for the project: "Intracellular mechanisms of Hydrogen Sulfide-induced cardioprotection against hypoxic injury: study of new pharmacological" (€ 8,000.00)

World Wide Style grant from University of Torino and Fondazione CRT, 2015, Mobility grant.

Reviewer activity:

Ad hoc referee for several international peer reviewed journals: Cardiovasc Res, Antioxid Redox Signal, Biochim Biophys Acta, Free Radic Biol Med, Curr Pharm Biotechnol, Dig Liver Dis, British Journal of Pharmacology;

Invited reviewer for Grant proposals: The Wellcome Trust, French National Research Agency, Italian Ministry of Instruction, Research and University (MIUR), Swiss National Science Foundation.

International main collaborators:

Dr. Rui Wang: Lakehead University, Thunder Bay, ON, Canada;
Dr. David A Wink: National Institutes of Health, Bethesda, MD, USA;
Dr. Nazareno Paolucci: Johns Hopkins University, Baltimore, MD, USA;
Dr. Sonia Donzelli: Universitätsklinikum Hamburg-Eppendorf, Germany;
Prof. Katrina Miranda: University of Arizona, AZ, USA;

Invited Speaker:

HYDROGEN SULFIDE IN THE HYPOXIA/REOXYGENATION SCENARIO

Daniele Mancardi

IV International Symposium on Oxidative Stress and Cardiovascular Physiology, Porto Alegre, RS, Brazil, September 25th 2015.

HYDROGEN SULFIDE IN THE HYPOXIA/REOXYGENATION SCENARIO

Daniele Mancardi

Congress of the Brazilian Society of Physiology, Águas de Lindóia, SP, Brazil, August 2nd-5th 2015.

ENDOTHELIAL DYSFUNCTION AND HYDROGEN SULFIDE

Daniele Mancardi

Symposium on the treatment of endothelial dysfunction with antioxidant, Torino, Italy, March 21st 2014.

HYDROGEN SULFIDE: GASOTRANSMITTER, RESPIRATORY GAS OR BOTH?

Daniele Mancardi

Académie des Sciences et de Pharmacie, Paris, France, February 6th 2013.

H₂S IN THE LIMITATION OF MYOCARDIAL INFARCTION AND IN THE PREVENTION OF HEART FAILURE

Daniele Mancardi

Italian Society of Cardiology, 72^o Annual Meeting, Rome, Italy, December 10th-12th, 2011.

REGULATION OF PROTEASOME SUBUNITS ACTIVITY BY HYDROGEN SULFIDE IN CULTURED CARDIOMYOBlasts

Daniele Mancardi

Society for Experimental Biology Annual Meeting, Glasgow, Scotland, July 1st-5th 2011.

HYDROGEN SULFIDE AS A MEDIATOR OF PHYSIOLOGICAL FUNCTIONS

Daniele Mancardi

Institut für Experimentelle und Klinische Pharmakologie und Toxikologie, University of Hamburg, Germany, March 22nd, 2010.

INVOLVEMENT OF MITOCHONDRIA IN THE PROTECTIVE EFFECT OF HYDROGEN SULFIDE AGAINST OXIDATIVE STRESS IN CARDIOMYOCYTES

Mancardi D, Pagliaro P, Penna C.

Society for Experimental Biology Annual Meeting, Marseille, France, July 6th-10th 2008.

ENDOTHELIAL PARACRINE ACTION

Daniele Mancardi

Italian Society for Experimental Biology Annual Meeting, Torino, Italy, December 6th-7th 2002.

Publications in International peer reviewed Journals:

1. HYPOXIA AND HYDROGEN SULFIDE DIFFERENTIALLY AFFECT NORMAL AND TUMOR-DERIVED VASCULAR ENDOTHELIUM.
Bianco S, Mancardi D, Merlino A, Bussolati B, Munaron L.
REDOX BIOLOGY. 2017 Mar 18; 12:499-504. doi: 10.1016/j.redox.2017.03.015.
[IF 6,337]
2. OXIDATIVE STRESS AND INFLAMMATION IN PULMONARY ARTERIAL HYPERTENSION
Belló-Klein A, Mancardi D, Rosa Araujo AS, Schenkel PC, Türck P, Lima-Seolin BG.
CURRENT MEDICINAL CHEMISTRY. 2017 Dec 25; doi: 10.2174/0929867325666171226114838.
[IF 3,249]
3. ACTIVATION OF P2X7 AND P2Y11 PURINERGIC RECEPTORS INHIBITS MIGRATION AND NORMALIZES TUMOR-DERIVED ENDOTHELIAL CELLS VIA CAMP SIGNALING
Avanzato D, Genova T, Fiorio Pla A, Bernardini M, Bianco S, Bussolati B, Mancardi D, Giraud E, Maione F, Cassoni P, Castellano I, Munaron L.
SCIENTIFIC REPORTS. 2016 Sep 2; 6:32602. doi: 10.1038/srep32602.
[IF 5,228]
4. NOVEL PERSPECTIVES IN REDOX BIOLOGY AND PATHOPHYSIOLOGY OF FAILING MYOCYTES: MODULATION OF THE INTRAMYOCARDIAL REDOX MILIEU FOR THERAPEUTIC INTERVENTIONS
Arcaro A, Pirozzi F, Angelini A, Chimenti C, Crotti L, Giordano C, Mancardi D, Torella D, Tocchetti CG.
OXIDATIVE MEDICINE AND CELLULAR LONGEVITY. 2016, 6353469. doi: 10.1155/2016/6353469.
[IF 3,516]
5. PRECONDITIONING CARDIOPROTECTION AND EXERCISE PERFORMANCE: A RADICAL POINT OF VIEW
Crisafulli A, Mancardi D, Marongiu E, Rastaldo R, Penna C, Pagliaro, P.
SPORT SCIENCES FOR HEALTH. 2015; 11, (2): 137-151.
6. HYDROGEN SULFIDE AND ENDOTHELIAL DYSFUNCTION: RELATIONSHIP WITH NITRIC OXIDE
Altaany Z, Moccia F, Munaron L, Mancardi D^{*}, Wang R. ^{*}Corresponding Author.
CURRENT MEDICINAL CHEMISTRY. 2014;21(32):3646-61.
[IF 4,630]
7. ROLE OF CALCIUM CHANNELS IN THE PROTECTIVE EFFECT OF HYDROGEN SULFIDE IN RAT CARDIOMYOBLASTS
Avanzato D, Merlino A, Porrera S, Wang R, Munaron L, Mancardi D.
CELLULAR PHYSIOLOGY AND BIOCHEMISTRY. 2014; 33 (4):1205-14.
[IF 3,415]
8. HYDROGEN SULFIDE AS A REGULATOR OF CALCIUM CHANNELS
Munaron L, Avanzato D, Moccia F, Mancardi D.
CELL CALCIUM. 2013 Feb;53 (2):77-84.
[IF=3.766]

9. CARDIOPROTECTION AGAINST ISCHEMIA/REPERFUSION INJURY AND CHROMOGRANIN A-DERIVED PEPTIDES
Penna P, Tullio F, Perrelli MG, Mancardi D, Pagliaro P.
CURRENT MEDICINAL CHEMISTRY, 2012;19 (24):4074-85.
[IF=4.859]
10. INTEGRATING NITRIC OXIDE, NITRITE AND HYDROGEN SULFIDE SIGNALING IN THE PHYSIOLOGICAL ADAPTATIONS TO HYPOXIA: A COMPARATIVE APPROACH
Fago A, Jensen FB, Tota B, Feelisch M, Olson KR, Helbo S, Lefevrea S, Mancardi D, Palumbo A, Sandvikh GK, Skovgaardh N.
COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY. 2012 MAY;162(1):1-6.
[IF=1.900]
11. HYDROGEN SULFIDE PROMOTES CALCIUM SIGNALS AND MIGRATION IN TUMOR-DERIVED ENDOTHELIAL CELLS
Pupo E, Fiorio Pla A, Avanzato D, Moccia F, Avelino Cruz JE, Tanzi F, Merlino A, Mancardi D, Munaron L.
FREE RADICALS BIOLOGY AND MEDICINE. 2011 NOV 1;51(9):1765-73.
[IF=6.081]
12. OLD AND NEW GASOTRANSMITTERS IN THE CARDIOVASCULAR SYSTEM: FOCUS ON THE ROLE OF NITRIC OXIDE AND HYDROGEN SULFIDE IN ENDOTHELIAL CELLS AND CARDIOMYOCYTES
Mancardi D, Fiorio Pla A, Moccia F, Tanzi F, Munaron L.
CURRENT PHARMACEUTICAL BIOTECHNOLOGY. 2011 SEP;12(9):1406-15.
[IF= 3.404]
13. PLAYING WITH CARDIAC “REDOX SWITCHES”: THE “HNO WAY” TO MODULATE CARDIAC FUNCTION
Tocchetti CG, Stanley BA, Murray CI, Sivakumaran V, Donzelli S, Mancardi D, Pagliaro P, Dong Gao W, van Eyk J, Kass DA, Wink DA, Paolocci P.
ANTIOXIDANT REDOX SIGNALING. 2011 MAY 1;14(9):1687-98.
[IF= 7.581]
14. HYDROGEN SULFIDE REGULATES INTRACELLULAR CA²⁺ CONCENTRATION IN ENDOTHELIAL CELLS FROM EXCISED RAT AORTA
Moccia F, Bertoni G, Fiorio Pla A, Dragoni S, Pupo E, Merlino A, Mancardi D, Munaron L, Tanzi F.
CURRENT PHARMACEUTICAL BIOTECHNOLOGY. 2011 SEP;12(9):1416-26.
[IF= 3.404]
15. ACTIVATED MET SIGNALLING IN THE DEVELOPING MOUSE HEART LEADS TO CARDIAC DISEASE
Leo C, Sala V, Morello M, Chiribiri A, Riess I, Mancardi D, Schiaffino S, Ponzetto C, Crepaldi T.
PLOS ONE. 2011 Feb 9;6(2):e14675.
[IF= 4.351]
16. HYPOXIA AND ANOXIA TOLERANCE OF VERTEBRATE HEARTS: AN EVOLUTIONARY PERSPECTIVE
Tota B, Angelone T, Mancardi D, Cerra MC.
ANTIOXIDANT REDOX SIGNALING. 2011 Mar 1;14(5):851-62.
[IF= 7.581]

17. COMPARING THE CHEMICAL BIOLOGY OF NO AND HNO
 Flores-Santana W, Switzer C, Ridnour LA, Basudhar D, Mancardi D, Donzelli S, Thomas DD, Miranda KM, Fukuto J, Wink DA.
ARCHIVES OF PHARMACAL RESEARCH. 2009 AUG;32(8):1139-53.
 [IF= 1.159]
18. POST-ISCHAEMIC ACTIVATION OF KINASES IN THE PRECONDITIONING-LIKE
 CARDIOPROTECTIVE EFFECT OF THE PLATELET ACTIVATING FACTOR
 Penna C, Mognetti B, Tullio F, Gattullo D, Mancardi D, Moro F, Pagliaro P, Alloatti G.
ACTA PHYSIOLOGICA (OXF). 2009 NOV;197(3):175-85.
 [IF= 2.810]
19. THE EMERGENCE OF NITROXYL (HNO) AS A PHARMACOLOGICAL AGENT
 Switzer CH, Flores-Santana W, Mancardi D, Donzelli S, Basudhar D, Ridnour LA, Miranda KM, Fukuto JM, Paolucci N, Wink DA.
BIOCHIMICA ET BIOPHYSICA ACTA-BIOENERGETICS, 2009 JUL;1787(7):835-40.
 [IF= 3.688]
20. PHYSIOLOGICAL AND PHARMACOLOGICAL FEATURES OF THE NOVEL
 GASOTRANSMITTER: HYDROGEN SULFIDE
Mancardi D, Penna C, Merlino A, Del Soldato P, Wink DA, Pagliaro P.
BIOCHIMICA ET BIOPHYSICA ACTA-BIOENERGETICS, 2009 JUL;1787(7):864-72.
 [IF= 3.688]
21. POSTCONDITIONING INDUCES AN ANTI-APOPTOTIC EFFECT AND PRESERVES
 MITOCHONDRIAL INTEGRITY IN ISOLATED RAT HEARTS
 Penna C, Perrelli MG, Raimondo S, Tullio F, Merlino A, Moro F, Geuna S, Mancardi D, Pagliaro P.
BIOCHIMICA ET BIOPHYSICA ACTA-BIOENERGETICS, 2009 JUL;1787(7):794-801.
 [IF= 3.688]
22. CARDIOPROTECTION: A RADICAL VIEW FREE RADICALS IN PRE AND
 POSTCONDITIONING
 Penna C, Mancardi D, Rastaldo R, Pagliaro P.
BIOCHIMICA ET BIOPHYSICA ACTA-BIOENERGETICS, 2009 JUL;1787(7):781-93.
 [IF= 3.688]
23. SYNERGISTIC EFFECTS AGAINST POST-ISCHEMIC CARDIAC DYSFUNCTION BY SUB-
 CHRONIC NANDROLONE PRETREATMENT AND POSTCONDITIONING: ROLE OF B2-
 ADRENORECEPTORS
 Penna C, Abbadessa G, Mancardi D, Tullio F, Piccione F, Spaccamiglio A, Racca S, Pagliaro P.
JOURNAL OF PHYSIOLOGY AND PHARMACOLOGY, 2008 DEC;59(4):645-59. 2008, 59.
 [IF= 1.489]
24. POSTCONDITIONING CARDIOPROTECTION AGAINST INFARCT SIZE AND POST-ISCHEMIC
 SYSTOLIC DYSFUNCTION IS INFLUENCED BY GENDER
 Penna C, Tullio F, Merlino A, Moro F, Raimondo S, Rastaldo R, Perrelli MG, Mancardi D, Pagliaro P.
BASIC RESEARCH IN CARDIOLOGY. 2009 JUL;104(4):390-402.
 [IF = 5.973]
25. FRACTAL PARAMETERS AND VASCULAR NETWORKS: FACTS & ARTIFACTS
Mancardi D, Varetto G, Bucci E, Maniero F, Guiot C.
THEORETICAL BIOLOGY AND MEDICAL MODELLING. 2008 JUL 17;5(1):12.
 [IF 1,460]

26. OMEGA 3 HAS BENEFICIAL EFFECT ON ISCHEMIA/REPERFUSION INJURY, BUT CAN NOT REVERSE THE EFFECT OF STRESSFUL FORCED EXERCISE
Mancardi D, Tullio F, Crisafulli A, Rastaldo R, Folino A, Penna C, Pagliaro P.
NUTRITION, METABOLISM & CARDIOVASCULAR DISEASES. 2009 JAN;19(1):20-6.
 [IF= 3.517]
27. INTERMITTENT ADENOSINE AT THE BEGINNING OF REPERFUSION DOES NOT TRIGGER CARDIOPROTECTION
 Penna C, Mancardi D, Tullio F, Pagliaro P.
JOURNAL OF SURGICAL RESEARCH. 2009 MAY 15;153(2):231-8.
 [IF= 2.176]
28. THE PLATELET ACTIVATING FACTOR TRIGGERS PRECONDITIONING-LIKE CARDIOPROTECTIVE EFFECT VIA MITOCHONDRIA K-ATP CHANNELS AND REDOX-SENSIBLE SIGNALLING
 Penna C, Mognetti B, Tullio F, Gattullo D, Mancardi D, Pagliaro P, Alloatti G.
JOURNAL OF PHYSIOLOGY AND PHARMACOLOGY. 2008 MAR;59(1):47-54.
 [IF= 1.489]
29. EARLY HOMING OF ADULT MESENCHYMAL STEM CELLS IN NORMAL AND INFARCTED ISOLATED BEATING HEARTS
 Penna C, Raimondo S, Ronchi G, Rastaldo R, Mancardi D, Cappello S, Losano G, Geuna S, Pagliaro P.
JOURNAL OF CELLULAR AND MOLECULAR MEDICINE. 2008 MAR-APR; 12(2):507-21.
 [IF =5.228]
30. NITRIC OXIDE SYNTHASE FUNCTION IN EXERCISE
 Pagliaro P, Mancardi D, Penna C.
CURRENT ENZYME INHIBITION. 2008, 4, 37-45.
31. POSTCONDITIONING AND INTERMITTENT BRADYKININ INDUCED CARDIOPROTECTION REQUIRE CYCLOOXYGENASE ACTIVATION AND PROSTACYCLIN RELEASE DURING REPERFUSION
 Penna C, Mancardi D, Tullio F, Pagliaro P.
BASIC RESEARCH IN CARDIOLOGY. 2008 JUL;103(4):368-77.
 [IF = 5.973]
32. THE PARADIGM OF POSTCONDITIONING TO PROTECT THE HEART
 Penna C, Mancardi D, Raimondo S, Geuna S, Pagliaro P.
JOURNAL OF CELLULAR AND MOLECULAR MEDICINE. 2008 APR;12(2):435-58.
 [IF =5.228]
33. DELAYED PRECONDITIONING-MIMETIC ACTION OF EXERCISE OR NITROGLYCERIN DO NOT AFFECT HEMODYNAMICS AND EXERCISE PERFORMANCE IN BOTH TRAINED AND SEDENTARY SUBJECTS
 Crisafulli A, Melis F, Tocco F, Pittau G, Lorrari L, Gori T, Mancardi D, Concu A, Pagliaro P.
JOURNAL OF SPORTS SCIENCE. 2007 OCT;25(12):1393-401.
 [IF= 1.619]
34. NITRIC OXIDE AND CARDIAC FUNCTION
 Rastaldo R, Pagliaro P, Cappello S, Penna C, Mancardi D, Westerhof N, Losano G.
LIFE SCIENCES. 2007 AUG 16;81(10):779-93.
 [IF =2.560]

35. NANDROLONE-PRETREATMENT ENHANCES CARDIAC BETA(2)-ADRENOCEPTOR EXPRESSION AND REVERSES HEART CONTRACTILE DOWN-REGULATION IN THE POST-STRESS PERIOD OF ACUTE-STRESSED RATS
Penna C, Abbadessa G, Mancardi D, Spaccamiglio A, Racca S, Pagliaro P.
JOURNAL OF STEROID BIOCHEMISTRY AND MOLECULAR BIOLOGY. 2007 OCT;107(1-2):106-13.
[IF= 2.655]
36. INTERMITTENT ACTIVATION OF BRADYKININ B(2) RECEPTORS AND MITOCHONDRIAL K(ATP) CHANNELS TRIGGER CARDIAC POSTCONDITIONING THROUGH REDOX SIGNALING
Penna C, Mancardi D, Rastaldo R, Losano G, Pagliaro P.
CARDIOVASCULAR RESEARCH. 2007 JUL 1;75(1):168-77.
[IF =5.801]
37. PEROXYNITRITE AND MYOCARDIAL CONTRACTILITY: *IN VIVO* VERSUS *IN VITRO* EFFECTS
Katori T, Donzelli S, Tocchetti CG, Miranda KM, Cormaci G, Thomas DD, Ketner EA, Lee MJ, Mancardi D, Wink DA, Kass DA, Paolucci N.
FREE RADICAL BIOLOGY & MEDICINE. 2006 NOV 15;41(10):1606-18.
[IF=6.081]
38. EFFECT OF ENDOTHELINS ON THE CARDIOVASCULAR SYSTEM
Penna C, Rastaldo R, Mancardi D, Cappello S, Pagliaro P, Westerhof N, Losano G.
JOURNAL OF CARDIOVASCULAR MEDICINE (HAGERSTOWN). 2006 SEP;7(9):645-652.
[IF = 0.712]
39. POST-CONDITIONING INDUCED CARDIOPROTECTION REQUIRES SIGNALING THROUGH A REDOX-SENSITIVE MECHANISM, MITOCHONDRIAL ATP-SENSITIVE K⁺ CHANNEL AND PROTEIN KINASE C ACTIVATION
Penna C, Rastaldo R, Mancardi D, Raimondo S, Cappello S, Gattullo D, Losano G, Pagliaro P.
BASIC RESEARCH IN CARDIOLOGY. 2006 MAR;101(2):180-9.
[IF = 5.973]
40. DISCRIMINATING FORMATION OF HNO FROM OTHER REACTIVE NITROGEN OXIDE SPECIES
Donzelli D, Espey MG, Thomas DD, Mancardi D, Tocchetti CG, Ridnour LA, Paolucci N, King SB, Miranda KM, Lazzarino G, Fukuto JM, Wink DA.
FREE RADICAL BIOLOGY & MEDICINE. 2006 MAR 15;40(6):1056-66.
[IF=6.081]
41. COMPARISON OF THE NO AND HNO DONATING PROPERTIES OF DIAZENIUMDIOLATES: PRIMARY AMINE ADDUCTS RELEASE HNO *IN VIVO*
Miranda KM, Katori T, Torres de Holding CL, Thomas L, Ridnour LA, McLendon WJ, Cologna SM, Dutton AS, Champion HC, Mancardi D, Tocchetti CG, Saavedra JE, Keefer LK, Houk KN, Fukuto JM, Kass DA, Paolucci N, Wink DA.
JOURNAL OF MEDICINAL CHEMISTRY. 2005 DEC 29;48(26):8220-8228.
[IF= 4.802]
42. POST-CONDITIONING REDUCES INFARCT SIZE IN THE ISOLATED RAT HEART: ROLE OF NITRIC OXIDE/CGMP PATHWAY
Penna C, Cappello S, Mancardi D, Raimondo S, Rastaldo R, Gattullo D, Losano G, Pagliaro P.
BASIC RESEARCH IN CARDIOLOGY. 2006 MAR;101(2):168-79.
[IF = 5.973]

43. MYOCARDIAL PROTECTION FROM ISCHEMIC PRECONDITIONING IS NOT BLOCKED BY CHRONIC INHIBITION OF CARNITINE PALMITOYL-TRANSFERASE I
 Penna C, Mancardi D, Gattullo D, Pagliaro P.
LIFE SCIENCES, 2005 SEP 2;77(16):2004-17.
 [IF =2.389]
44. MECHANISM OF AEROBIC DECOMPOSITION OF ANGELI'S SALT (SODIUM TRIOXODINITRATE) AT PHYSIOLOGICAL PH
 Katrina M. Miranda, Dutton AS, Ridnour LA, Foreman CA, Ford E, Paolocci N, Katori T, Tocchetti CG, Mancardi D, Thomas DD, Espey MG, Houk KN, Fukuto JM, Wink DA.
JOURNAL OF AMERICAN CHEMICAL SOCIETY. 2005 JAN 19;127(2):722-731.
 [IF= 8.580]
45. THE CHEMICAL DYNAMICS OF NO AND REACTIVE NITROGEN OXIDES: A PRACTICAL GUIDE
Mancardi D, Ridnour LA, Thomas DD, Katori T, Tocchetti CG, Espey MG, Miranda KM, Paolocci N and Wink DA.
CURRENT MOLECULAR MEDICINE. 2004 NOV, vol. 4, iss. 7, pp. 723-740(18).
 [IF= 5.096]
46. ANTIOXIDANT PROPERTIES OF NITRIC OXIDE IN CELLULAR PHYSIOLOGICAL AND PATHOPHYSIOLOGICAL MECHANISMS. THE IMPLICATIONS OF BIOLOGICAL BALANCE BETWEEN NO AND OXIDATIVE STRESS.
 Ridnour LA, Thomas D, Mancardi D, Donzelli S, Pagliaro P, Miranda KM, Fukuto J, Grisham M, Mitchell JB, Espey MG and Wink DA.
CURRENT MEDICINAL CHEMISTRY, ANTI-INFLAMMATORY & ANTI-ALLERGY AGENTS. 2004 SEP 3 (3): 181-188.
 [IF= 4.708]
47. ENDOTHELIAL CYTOCHROME P450 CONTRIBUTES TO THE ACETYLCHOLINE-INDUCED CARDIODEPRESSION IN ISOLATED RAT HEARTS
 Pagliaro P, Penna C, Rastaldo R, Mancardi D, Crisafulli A, Losano G, Gattullo D
ACTA PHYSIOLOGICA SCANDINAVICA. 2004 SEP 182 (1): 11-20.
 [IF =2.810]
48. F0F1 ATP SYNTHASE ACTIVITY IS DIFFERENTLY MODULATED BY CORONARY REACTIVE HYPEREMIA BEFORE AND AFTER ISCHEMIC PRECONDITIONING IN THE GOAT
 Penna C, Pagliaro P, Rastaldo R, Di Pancrazio F, Lippe G, Gattullo D, Mancardi D, Samaja M, Losano G, Mavelli I.
AMERICAN JOURNAL OF PHYSIOLOGY- HEART AND CIRCULATORY PHYSIOLOGY. 2004 Nov;287(5):H2192-200.
 [IF =3.838]
49. HYPOXIC INDUCIBLE FACTOR 1 ALPHA, EXTRACELLULAR SIGNAL-REGULATED KINASE, AND P53 ARE REGULATED BY DISTINCT THRESHOLD CONCENTRATIONS OF NITRIC OXIDE
 Thomas DD, Espey MG, Ridnour LA, Hofseth LJ, Mancardi D, Harris CC, Wink DA
PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA. 2004 JUN 15, 101 (24): 8894-8899.
 [IF= 9.432]

50. THE CHEMISTRY OF NITROSATIVE STRESS INDUCED BY NITRIC OXIDE AND REACTIVE NITROGEN OXIDE SPECIES. PUTTING PERSPECTIVE ON STRESSFUL BIOLOGICAL SITUATIONS
Ridnour LA, Thomas DD, Mancardi D, Espey MG, Miranda KM, Paolucci N, Feelisch M, Fukuto J, Wink DA.
BIOLOGICAL CHEMISTRY. 2004 JAN;385(1):1-10.
[IF= 2.732]
51. ORTHOGONAL PROPERTIES OF THE REDOX SIBLINGS NITROXYL AND NITRIC OXIDE IN THE CARDIOVASCULAR SYSTEM: A NOVEL REDOX PARADIGM
Wink DA, Miranda KM, Katori T, Mancardi D, Thomas DD, Ridnour L, Espey MG, Feelisch M, Colton CA, Fukuto JM, Pagliaro P, Kass DA, Paolucci N.
AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY. 2003 DEC;285(6):H2264-76. 2003 Jul 10.
[IF=3.712]
52. CORONARY VASCULATURE IN ISCHAEMIC PRECONDITIONING
Penna C, Pagliaro P, Rastaldo R, Mancardi D, Cappello S, Gattullo D and Losano G.
RECENT RES DEVEL LIFE SCI. 1(2003) 13-26 ISBN: 81-271-0024-2.
53. NITROXYL AFFORDS MYOCARDIAL PROTECTIVE EFFECTS REMINISCENT TO EARLY PRECONDITIONING IN ISOLATED PERFUSED RAT HEARTS
Pagliaro P, Mancardi D, Rastaldo R, Penna C, Gattullo D, Miranda KM, Feelisch M, Wink DA, Kass DA, Paolucci N.
FREE RADICAL BIOLOGY AND MEDICINE. 2003 JAN 1;34(1):33-43.
[IF=6.081]
54. ISCHEMIC PRECONDITIONING CHANGES THE PATTERN OF CORONARY REACTIVE HYPEREMIA REGARDLESS MITOCHONDRIAL ATP-SENSITIVE K⁺ CHANNEL BLOCKADE
Pagliaro P, Chiribiri A, Rastaldo R, Mancardi D, Penna C, Gattullo D, Losano G.
LIFE SCIENCES. 2002 Sep 27; 71 (19):2299.
[IF =2.560]

Oral communications and posters:

MITOCHONDRIAL CHARACTERIZATION OF ANGIOMYOLIPOMA CELLS UNDER DIFFERENT PHARMACOLOGICAL TREATMENTS

Sibille G, Zicola E, Arrigo E, Mancardi D, Mognetti B.

9th World Congress on Targeting Mitochondria, Berlin, Germany, October 23th-25th 2018.

SPECIFICITY OF CALCIUM SIGNALING INDUCED BY HYDROGEN SULFIDE IN DIFFERENT ENDOTHELIAL CELL TYPES

Avanzato D, Mancardi D, Moccia F, Munaron L.

European Conference on the Biology of Hydrogen Sulfide, Smolenice, Slovakia, June 15th-18th, 2012.

HYDROGEN SULFIDE AND CALCIUM SIGNALING IN CARDIOMYOBlasts AND ENDOTHELIAL CELLS: FUNCTIONAL EFFECTS

Avanzato D, Pupo E, Fiorio Pla A, Mancardi D, Munaron L.

European Conference on the Biology of Hydrogen Sulfide, Smolenice, Slovakia, June 15th-18th, 2012.

H₂S IN THE LIMITATION OF MYOCARDIAL INFARCTION AND IN THE PREVENTION OF HEART FAILURE

Daniele Mancardi

Italian Society of Cardiology, 72^o Annual Meeting, Roma, 10th-12th December, 2011.

REGULATION OF PROTEASOME SUBUNITS ACTIVITY BY HYDROGEN SULFIDE IN CULTURED CARDIOMYOBlasts

Mancardi D, Merlino A, Tullio F, Moro F, Penna C, Pagliaro P.

Italian Society for Cardiovascular Research, Annual Meeting, Imola, Italy, October 7th-9th, 2010.

THE MECHANISMS WHEREBY HYDROGEN SULFIDE CAUSES AN INCREASE IN INTRACELLULAR CA²⁺ CONCENTRATION IN INTACT ENDOTHELIUM FROM EXCISED RAT AORTA

Moccia F, Bertoni G, Fiorio Pla A, Dragoni S, Pupo E, Merlino A, Mancardi D, Munaron L, Tanzi F.

Italian Society for Cardiovascular Research, Annual Meeting, Imola, Italy, October 7th-9th, 2010.

CARDIOPROTECTION AGAINST OXIDATIVE STRESS AND ISCHEMIA/REPERFUSION INJURY WITH HYDROGEN SULFIDE

Merlino A, Mancardi D, Penna C, Tullio F, Moro F, Perrelli MG, Pagliaro P.

Italian Society for Cardiovascular Research, Annual Meeting, Imola, Italy, October 29th-31st 2009.

NEW MOUSE MODELS TO STUDY PATHOLOGICAL CONSEQUENCES OF CHRONICAL ACTIVATION OF HGF/C-MET AXIS SPECIFICALLY IN THE HEART

Leo C, Sala V, Morello M, Chiribiri A, Riess I, Merlino A, Mancardi D, Schiaffino S, Ponzetto C, Crepaldi T.

Italian Society for Cardiovascular Research, Annual Meeting, Imola, Italy, October 29th-31st 2009.

INVOLVEMENT OF MITOCHONDRIA IN THE PROTECTIVE EFFECT OF HYDROGEN SULFIDE AGAINST OXIDATIVE STRESS IN CARDIOMYOCYTES

Mancardi D, Pagliaro P, Penna C.

Society for Experimental Biology Annual Meeting, Marseille, France, July 6th-10th 2008.

ROS IN CARDIAC ISCHEMIC PRE- AND POST-CONDITIONING

Pagliaro P, Penna C, Mancardi D.

Society for Experimental Biology Annual Meeting, Marseille, France, July 6th-10th 2008.

HYDROGEN SULFIDE EXERTS PROTECTIVE EFFECTS AGAINST OXIDATIVE STRESS IN CULTURED H9C2 MYOCYTES

Mancardi D, Penna C, Merlino A, Tullio F, Pagliaro P.

Society for Experimental Biology Annual Meeting, Marseille, France, July 6th-10th 2008.

PRECONDITIONING-LIKE CARDIOPROTECTIVE EFFECT OF THE PLATELET ACTIVATING FACTOR (PAF): PRE- AND POST-ISCHEMIC SIGNALING PATHWAY IN ISOLATED RAT HEARTS

Penna C, Mognetti B, Tullio F, Gattullo D, Mancardi D, Alloatti G, Pagliaro P.

Society for Experimental Biology Annual Meeting, Marseille, France, July 6th-10th 2008.

PROTECTIVE EFFECT OF HYDROGEN SULFIDE AGAINST OXIDATIVE STRESS OF MYOBLASTS

Mancardi D, Penna C, Tullio F, Raimondo S, Rastaldo R, Losano G, Pagliaro P.

International Society for Heart Research, European Meeting, Athens, Greece, June 28th-31st 2008.

INTERMITTENT ADENOSINE AT THE BEGINNING OF REPERFUSION DOES NOT TRIGGER CARDIOPROTECTION

Mancardi D, Tullio F, Perrelli MG, Moro F, Pagliaro P, Penna C.

International Society for Heart Research, European Meeting, Athens, Greece, June 28th-31st 2008.

PRECONDITIONING-LIKE CARDIOPROTECTIVE EFFECT OF THE PLATELET ACTIVATING FACTOR: PRE- AND POST-ISCHEMIC SIGNALING PATHWAY

Penna C, Mognetti B, Tullio F, Gattullo D, Mancardi D, Alloatti G, Pagliaro P.

International Society for Heart Research, European Meeting, Athens, Greece, June 28th-31st 2008.

EFFETTI PROTETTIVI DEL SOLFURO DI IDROGENO CONTRO LO STRESS OSSIDATIVO NEI CARDIOMIOBLASTI

Mancardi D, Penna C, Tullio F, Rastaldo R, Losano G, Pagliaro, P.

Italian Society of Cardiology, Annual meeting, Rome, Italy, December 15th-18th 2007.

EFFICACIA DEL POSTCONDIZIONAMENTO NEL LIMITARE I DANNI DA ISCHEMIA RIPERFUSIONE: CONFRONTO FRA RATTI DI SESSO DIVERSO

Penna C, Mancardi D, Rastaldo R, Tullio F, Losano G, Pagliaro P.

Italian Society of Cardiology, Annual meeting, Rome, Italy, December 15th-18th 2007.

IL RUOLO DEI RECETTORI ADENOSINICI A1 NELLA PROTEZIONE MIOCARDICA INDOTTA DALLA VASOSTATINA-1 (HUMAN RECOMBINANT Ser-Thr-Ala CHROMOGRANIN A1-78)

Folino A, Cappello S, Rastaldo R, Tota B, Penna C, Mancardi D, Losano G, Pagliaro P.

Italian Society of Cardiology, Annual meeting, Rome, Italy, December 15th-18th 2007.

PROTECTIVE EFFECT OF HYDROGEN SULFIDE AGAINST OXIDATIVE STRESS OF MYOBLASTS

Mancardi D, Penna P, Tullio F, Raimondo S, Rastaldo R, Losano G, Pagliaro P.

Italian Society for Cardiovascular Research, Annual Meeting, Imola, Italy, September 27th-29th 2007.

OMEGA 3-FREE FATTY ACID DIET HAS BENEFICIAL EFFECT ON ISCHEMIA/REPERFUSION INJURY, BUT CAN NOT REVERSE THE DELETERIOUS EFFECT OF STRESSFUL FORCED EXERCISE

Mancardi D, Tullio F, Penna C, Folino A, Crisafulli A, Rastaldo R, Pagliaro P.

Italian Society for Cardiovascular Research, Annual Meeting, Imola, Italy, September 27th-29th 2007.

EFFECTS OF OMEGA-3 FREE FATTY ACID-ENRICHED DIET ON THE MUSCLE
METABOREFLEX OF CHRONIC HEART FAILURE PATIENTS

Mancardi D, Tullio F, Raimondo S, Penna C, Concu A, Crisafulli A.

Italian Society for Cardiovascular Research, Annual Meeting, Imola, Italy, September 27th-29th 2007.

DIFFERENCES IN HEMODYNAMIC RESPONSE TO METABOREFLEX STIMULATION EVOKED
DURING AND AFTER EXERCISE

Crisafulli A, Piras F, Lobina A, Milia R, Vitelli S, Chiappori P, Mancardi D, Pagliaro P, Concu A.

Italian Society for Cardiovascular Research, Annual Meeting, Imola, Italy, September 27th-29th 2007.

POSTCONDITIONING CARDIOPROTECTION IS INFLUENCED BY GENDER

Penna P, Mancardi D, Rastaldo R, Tullio F, Raimondo S, Losano GS, Pagliaro P.

Italian Society for Cardiovascular Research, Annual Meeting, Imola, Italy, September 27th-29th 2007.

MORPHOLOGICAL AND IMMUNOHISTOCHEMICAL INVESTIGATION OF ADULT MSCS IN
NORMAL AND INFARCTED ISOLATED BEATING HEARTS

Geuna S, Raimondo S, Penna C, Ronchi G, Rastaldo R, Mancardi D, Cappello S, Losano GA, Pagliaro P.

Italian Society for Cardiovascular Research, Annual Meeting, Imola, Italy, September 27th-29th 2007.

HYDROGEN SULFIDE INCREASES OXIDATIVE STRESS RESISTANCE IN H9C2 MYOBLASTS
THROUGH ERK ACTIVATION

Mancardi D, Penna C, Rastaldo R, Tullio F, Pagliaro P.

Italian Physiological Society, Annual Meeting, Lecce, Italy, September 19th-21st 2007.

GENDER DEPENDENCE IN POSTCONDITIONING CARDIOPROTECTION

Penna C, Mancardi D, Rastaldo R, Tullio F, Pagliaro P.

Italian Physiological Society, Annual Meeting, Lecce, Italy, September 19th-21st 2007.

NANDROLONE ENHANCES CARDIAC B2-ADRENOCEPTOR EXPRESSION AND REVERSES
CONTRACTILE DOWN-REGULATION IN THE POST-STRESS PERIOD

Penna C, Mancardi D, Abbadessa G, Spaccamiglio A, Tullio F, Racca S, Pagliaro P.

Italian Physiological Society, Annual Meeting, Lecce, Italy, September 19th-21st 2007.

SIGNALING PATHWAYS INVOLVED IN PRECONDITIONING-LIKE CARDIOPROTECTIVE
EFFECT OF THE PLATELET ACTIVATING FACTOR

Penna C, Mognetti B, Tullio F, Mancardi D, Alloatti G, Pagliaro P.

Italian Physiological Society, Annual Meeting, Lecce, Italy, September 19th-21st 2007.

COMBINED PROTECTIVE EFFECT OF NITRIC OXIDE DONOR AND ANTIOXIDANTS IN THE
RAT HEART

Rastaldo R, Cappello S, Pagliaro P, Mancardi D, Di Stilo A, Gasco A, Losano GA.

Life Sciences Meeting, Glasgow, Scotland, July 8th-12th 2007.

INTERMITTENT BRADYKININ INFUSION AFFORDS MYOCARDIAL PROTECTIVE EFFECTS
AKIN TO POSTCONDITIONING: ROLE OF B2 RECEPTORS AND MITOCHONDRIAL K⁺
CHANNELS

Mancardi D, Penna C, Rastaldo R, Tullio F, Folino A, Losano GA, Pagliaro P.

Life Sciences Meeting, Glasgow, Scotland, July 8th-12th 2007.

HOMING DELLE CELLULE MESENCHIMALI DEL MIDOLLO OSSEO NEL MIOCARDIO
INFARTUATO IMMEDIATAMENTE DOPO L'ISCHEMIA

Cappello S, Raimondo S, Mancardi D, Penna C, Rastaldo R, Losano G, Pagliaro P.

Italian Society of Cardiology, Annual meeting, Rome, Italy, December 16th-19th 2006.

RUOLO DELLA BRADICHININA (BK) NELLA PROTEZIONE MIOCARDICA DA
POSTCONDIZIONAMENTO

Mancardi D, Penna C, Rastaldo R, Cappello S, Losano G, Pagliaro P.

Italian Society of Cardiology, Annual meeting, Rome, Italy, December 16th-19th 2006.

INTERMITTENT INFUSION OF BRADYKININ AT THE END OF ISCHEMIA MIMICS
POSTCONDITIONING VIA NITRIC OXIDE-PROSTACYCLIN AND REDOX MECHANISMS

Penna C, Rastaldo R, Cappello S, Mancardi D, Losano G, Pagliaro P.

Italian Physiological Society, Annual Meeting, Ravenna, Italy, September 25th-27th 2006.

HEART FUNCTION AFTER MYOCARDIAL INFARCTION AND MESENCHYMAL STEM CELL
INJECTION IN RATS

Cappello S, Rastaldo R, Folino A, Penna C, Raimondo S, Mancardi D, Chiribiri A, Losano G, Morello M,
Pagliaro P, Geuna S.

National Institute for Cardiovascular Research, Workshop., Torino, Italy, March 24th-25th 2006.

TRANSPLANTATION OF ADULT MESENCHYMAL STEM CELLS IN NORMAL AND
INFARCTED ISOLATED BEATING HEARTS

Raimondo S, Penna C, Mancardi D, Rastaldo R, Folino A, Cappello S, Alloatti G, Losano G, Geuna S,
Pagliaro P.

National Institute for Cardiovascular Research, Workshop., Torino, Italy, March 24th-25th 2006.

INTERMITTENT BRADYKININ INFUSION IN THE EARLY REPERFUSION PHASE MIMICS THE
CARDIOPROTECTIVE EFFECTS OF POSTCONDITIONING

Penna C, Mancardi D, Rastaldo R, Cappello S, Losano G, Pagliaro P.

Italian Society for Cardiovascular Research, Annual Meeting, Imola, Italy, September 21st-23^{rc} 2006.

HOMING OF BONE MARROW MESENCHYMAL STEM CELL IN INFARCTED
MYOCARDIUM IMMEDIATELY AFTER ISCHEMIA

Cappello S, Raimondo S, Mancardi D, Penna C, Rastaldo R, Losano G, Pagliaro P.

Italian Society for Cardiovascular Research, Annual Meeting, Imola, Italy, September 21st-23^{rc} 2006.

L'ANIONE NITROSSILE E' UN AGENTE INOTROPO POSITIVO CHE INCREMENTA IL
RILASCIO E LA RICAPTAZIONE DEL CALCIO DA PARTE DEL RETICOLO
SARCOPLASMATICO IN CARDIOMICITI ISOLATI DI TOPO

Tocchetti CG, Valdivia HH, Miguel AA, Mancardi D, Pagliaro P, Batocchi S, Chiariello M, Zoccolo M,
Froehlich JP, Cheng H, Kass DA, Paolocci N.

Italian Society of Cardiology, Annual meeting, Rome, Italy, December 10th-13th 2005.

COATTIVAZIONE DEI RECETTORI ADENOSINICI A1 NELLA PROTEZIONE MIOCARDICA DA
PLATELET ACTIVATING FACTOR

Penna C, Gattullo D, Rastaldo R, Mognetti B, Mancardi D, Cappello S,

Losano G, Alloatti G, Pagliaro P.

Italian Society of Cardiology, Annual meeting, Rome, Italy, December 10th-13th 2005.

LA CARDIOPROTEZIONE DA POST-CONDIZIONAMENTO DIPENDE DALLA TECNICA DI
PERFUSIONE (FLUSSO O PRESSIONE COSTANTE)

Penna C, Mancardi D, Rastaldo R, Cappello S, Losano G, Pagliaro P.

Italian Society of Cardiology, Annual meeting, Rome, Italy, December 10th-13th 2005.

IL RILASCIO DI GMP CICLICO NELLA RIPERFUSIONE DEL CUORE INFARTUATO
SOTTOPOSTO A POST-CONDIZIONAMENTO ISCHEMICO

Mancardi D, Penna C, Rastaldo R, Cappello S, Losano G, Pagliaro P.

Italian Society of Cardiology, Annual meeting, Rome, Italy, December 10th-13th 2005.

ROLE OF PERFUSION MODE ON MYOCARDIAL PROTECTION BY PRE- AND POST-
CONDITIONING

Penna C, Gattullo D, Rastaldo R, Mancardi D, Losano G, Pagliaro P

Italian Society for Cardiovascular Research, Annual Meeting, Imola, Italy, September 2005.

POST-CONDITIONING INCREASES THE CGMP PRODUCTION DURING REPERFUSION BY
NITRIC OXIDE SYNTHASE (NOS)-DEPENDENT AND NOS-INDEPENDENT MECHANISMS

Penna C, Rastaldo R, Mancardi D, Losano G, Pagliaro P.

Italian Society for Cardiovascular Research, Annual Meeting, Imola, Italy, September 2005.

NITROXYL REQUIRES CALCITONIN GENE-RELATED PEPTIDE SIGNALING BUT NOT
PROTEIN KINASE C TO AFFORD EARLY-PRECONDITIONING EFFECT IN RAT HEART

Pagliaro P,

Mancardi D, Penna C, Cappello S, Tocchetti CG, Wink DA, Losano GA, Paolucci N.

American College of Cardiology 54th Annual Scientific Session, March 6-9, 2005, Orlando, Florida, USA.

JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY 45 (3): 252A-252A Suppl. A FEB 1 2005.

RUOLO DELL'OSSIDO NITRICO SINTETASI E DELLA GUANILIL CICLASI NEL
POST-CONDIZIONAMENTO ISCHEMICO

Mancardi D, Penna C, Cappello S, Gattullo D, Pagliaro P, Losano G.

Italian Society of Cardiology, Annual meeting, Rome, Italy, December 11th-15th 2004.

NITRIC OXIDE (NO)-CYCLIC GUANOSINE MONOPHOSPHATE (CGMP) PATHWAY IS
INVOLVED IN ISCHEMIC POST CONDITIONING IN THE ISOLATED RAT HEART

Pagliaro P, Rastaldo R, Penna C, Mancardi D, Cappello S, Losano GA.

CIRCULATION 110 (17): 136-136 643 Suppl. S OCT 26 2004.

S-NITROSOGLUTATHIONE DOES NOT REPRODUCE IN VIVO POSITIVE INOTROPY INDUCED
BY NITROXYL DONORS

Katori T, Tocchetti CG, Miranda KM, Mancardi D, Toscano JP, Wink DA, Hogg N, Paolucci N

CIRCULATION 110 (17): 31-31 142 Suppl. S OCT 26 2004.

THE NITROXYL DONORS ANGELI'S SALT AND IPA/NO AFFORD EQUAL CARDIAC EARLY
PRECONDITIONING-LIKE EFFECT THAT IS INDEPENDENT OF MITOCHONDRIAL KATP
CHANNEL ACTIVATION

Mancardi D, Ridnour L, Donzelli S, Miranda KM, Thomas D, Katori T, Espey M, Paolucci N, Wink D

FREE RADICAL BIOLOGY AND MEDICINE 37: S86-S87 Suppl. 1 2004.

PEROXYNITRITE VS. NITROXYL: DIVERGENT EFFECTS ON IN VIVO BASAL AND BETA-
STIMULATED CARDIAC CONTRACTILITY

Katori T, Thomas DT, Miranda KM, Lee MJ, Tocchetti CG, Mancardi D, Wink DA, Kass DA, Paolucci N.

FREE RADICAL BIOLOGY AND MEDICINE 37: S85-S85 Suppl. 1 2004.

THE HNO/NO- DONOR ANGELI'S SALT ENHANCES CARDIOMYOCYTE CONTRACTILITY IN A PKA-DEPENDENT MANNER

Tocchetti CG, Katori T, Zaccolo M., Mancardi D, Belardi DF, Takimoto E, Wink DA, Kass DA, Paolocci N.

BIOPHYSICAL JOURNAL 86 (1): 47A-47A Part 2 Suppl. S JAN 2004.

THE HNO/NITRIC OXIDE DONOR ANGELI'S SALT ENHANCES MYOCYTE CONTRACTILITY IN A PKA-DEPENDENT MANNER

Tocchetti CG, Katori T, Zaccolo M. Mancardi D, Belardi DF, Miranda KM, Wink DDA, Kass DA, Paolocci N.

JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY 43 (5): 156A-156A Suppl. A MAR 3 2004.

DISCRETE CONCENTRATIONS OF NO ACTIVATE SELECTIVELY ACTIVE DIFFERENT CELLULAR SIGNAL TRANSDUCTION PATHWAYS

Wink DA, Thomas DD, Ridnour L, Mancardi D, Espey MG

SHOCK 2004 21: 378 Suppl. 1.

ENDOTHELIAL PARACRINE ACTION

Daniele Mancardi

Journal of Biological Research (1) 2003, Vol LXXIX.

NITROXYL-INDUCED MYOCARDIAL PROTECTION IS THIOL SENSITIVE

Pagliari P, Rastaldo R, Mancardi D, Penna C, Gattullo D, Losano G.

Italian Society for Cardiovascular Research, Annual Meeting, Bologna, Italy, November 29th-30th 2002.

NITROXYL – INDUCED CARDIAC PRECONDITIONING BY CALCITONINE GENE – RELATED PEPTIDE (CGRP)

Penna C, Pagliari P, Rastaldo R, Mancardi D, Gattullo D, Losano G.

Italian Society for Cardiovascular Research, Annual Meeting, Bologna, Italy, November 29th-30th 2002.

AZIONE PROTETTIVA SUL MIOCARDIO DEL FATTORE ATTIVANTE LE PIASTRINE

Mancardi D, Penna C, Rastaldo R, G Alloatti, Gattullo D, Losano G,

Pagliari P.

THE Italian Heart Journal (2002); 3 (S7): p.132S, C 455.

AZIONE DELLA PROTEINA INIBITRICE IF1 SULLA F0F1ATPSINTASI NELL'IPEREMIA REATTIVA CORONARICA PRIMA E DOPO IL PRECONDIZIONAMENTO ISCHEMICO NELLA CAPRA ANESTETIZZATA

Rastaldo R, Losano G, Di Pancrazio F, Lippe G, Pagliari P, Penna C, Mancardi D, Mavelli I.

THE Italian Heart Journal (2002); 3 (S7): p.295S, P312.

NITROXYL ANION INDUCES REDOX-SENSITIVE MYOCARDIAL PROTECTIVE EFFECTS AKIN TO ISCHAEMIC PRECONDITIONING IN ISOLATED RAT HEARTS

Pagliari P, Paolocci N, Mancardi D and Penna C.

JOURNAL OF PHYSIOLOGY-LONDON 543: 40P-40P Suppl. S OCT 2002.

INHIBITION OF FATTY ACIDS UTILIZATION IMPAIRS FRANK-STARLING AND GREGG PHENOMENON, BUT NOT CATECHOLAMINE, RESPONSE

Pagliari P, Rastaldo R, Mancardi D, Penna C, Recchia FA

FASEB J. 2002 Mar 16 (4): A492-A492 Part 1.

IS NITROXYL ANION INVOLVED IN MYOCARDIAL PROTECTION AGAINST ISCHAEMIA/REPERFUSION INJURY IN ISOLATED RAT HEARTS?

Pagliari P, Mancardi D, Rastaldo R, Paolocci N.

JOURNAL OF PHYSIOLOGY-LONDON 536: 143P-143P Suppl. S NOV 2001.

NITROXYL ANION IN MYOCARDIAL PROTECTION AGAINST ISCHEMIA/REPERFUSION INJURIES

Pagliari P, Mancardi D, Rastaldo R, Chiribiri A, Gattullo D, Losano G.

The Italian Heart Journal 2001; 2 suppl. 3: 63S.

METABOLIC ASPECTS OF THE INCREASE OF THE FORCE OF CONTRACTION IN ISOLATED RAT HEARTS

Mancardi D, Pagliaro P, Penna C, Rastaldo R, Losano A, Gattullo D.

The Italian Heart Journal 2001; 2 suppl. 3: 57S.

INDUCTION OF MYOCARDIAL PROTECTION AGAINST ISCHEMIA/REPERFUSION INJURY BY NITROXYL ANION

Pagliari P, Chiribiri A, Mancardi D, Penna C, Rastaldo R.

Italian Physiological Society, Annual Meeting, Ancona, Italy 2001.

NITROXYL ANION IS A PRECONDITIONING AGENT IN ISOLATED RAT HEART

Pagliari P, Mancardi D, Rastaldo R, Penna C, Wink DA, Kass DA, Paolocci N.

Circulation 104(17): 1265 suppl. 5 Oct 23 2001.

INHIBITION OF FATTY ACIDS UTILIZATION IMPAIRS FRANK-STARLING MECHANISM AND GREGG EFFECT, BUT NOT CATECHOLAMINE RESPONSE, IN ISOLATED HEARTS

Pagliari P, Rastaldo R, Mancardi D, Penna C, Recchia FA.

Italian Society of Cardiology, Annual meeting, Rome, Italy, December 2001.

RUOLO DEGLI ACIDI GRASSI NELL'AUMENTO DELLA FORZA DI CONTRAZIONE DA AUMENTO DEL PRECARICO VENTRICOLARE E DA ISOPROTERENOLO

Mancardi D, Pagliaro P, Rastaldo R, Gattullo D.

Italian Society for Cardiovascular Research, Annual Meeting, Torino, Italy 2001.

L'ANIONE NITROSSILE PUO' PRECONDIZIONARE IL CUORE CONTRO I DANNI DA ISCHEMIA RIPERFUSIONE

Chiribiri A, Mancardi D, Rastaldo R, Pagliaro P, Losano G.

Italian Society for Cardiovascular Research, Annual Meeting, Torino, Italy 2001.

IL PRECONDIZIONAMENTO VASCOLARE NON E' MEDIATO DAI CANALI DEL POTASSIO ATP-SENSIBILI MITOCONDRIALI

Rastaldo R, Mancardi D, Penna C, Pagliaro P, Gattullo D, Losano G.

Italian Society for Cardiovascular Research, Annual Meeting, Torino, Italy 2001.

THE CARDIOVASCULAR EFFECTS OF HNO/NITROXYL

Paolocci N, Pagliaro P, Mancardi D, Champion H, Miranda KM, Hoover DB, Hare JM, Feelisch M, Kass DA, Wink DA.

2nd International Conference Nitric Oxide Society

Chapter in Books:

COMPARISON OF THE CHEMICAL BIOLOGY OF NO AND HNO: AN INORGANIC PERSPECTIVE

Miranda KM, Ridnour LA, Espey MG, Citrin D, Thomas DD, Mancardi D, Donzelli S, Wink DA, Katori T, Tocchetti CG, Ferlito M, Paolucci N, Fukuto JM.

In: Progress in Inorganic Chemistry, Volume 54, Chapter 5, Wiley & Sons, Inc, (2005).

THE CHEMISTRY OF PROTEIN MODIFICATIONS ELICITED BY NITRIC OXIDE AND RELATED NITROGEN OXIDES

Thomas DD, Ridnour L, Donzelli S, Espey MG, Mancardi D, Isenberg JS, Feelisch M, Roberts DD, Wink DA.

In: Redox Proteomics: From Protein Modifications to Cellular Dysfunction and Disease, Chapter 2, Wiley & Sons, Inc, (2006).

Torino, 1/21/2019

Daniele Mancardi

