

## **ALLEGATO B**

### **UNIVERSITÀ DEGLI STUDI DI MILANO**

selezione pubblica per n.1 posto di Ricercatore a tempo determinato ai sensi dell'art.24, comma 3, lettera b) della Legge 240/2010 per il settore concorsuale 06/N1 - Scienze delle professioni Sanitarie e delle Tecnologie Mediche Applicate, settore scientifico-disciplinare MED/50 - Scienze Tecniche Mediche Applicate presso il Dipartimento di Scienze Biomediche e Cliniche, (avviso bando pubblicato sulla G.U. n. 85 del 25/10/2022) Codice concorso 5128

## **Paolo Poggio** **CURRICULUM VITAE**

### **INFORMAZIONI PERSONALI**

COGNOME	POGGIO
NOME	PAOLO
DATA DI NASCITA	22/04/1985

### **TITOLI**

#### **TITOLO DI STUDIO**

Laurea Specialistica in Biotecnologie Mediche e Farmaceutiche, Università del Piemonte Orientale "A. Avogadro", Novembre 2009

Laurea Triennale in Biotecnologie, Università del Piemonte Orientale "A. Avogadro", Settembre 2007

#### **TITOLO DI DOTTORE DI RICERCA O EQUIVALENTI, OVVERO, PER I SETTORI INTERESSATI, DEL DIPLOMA DI SPECIALIZZAZIONE MEDICA O EQUIVALENTE, CONSEGUITO IN ITALIA O ALL'ESTERO**

Dottorato di ricerca in Scienze Farmacologiche, Università degli Studi di Milano, 16/01/2014  
Titolo dissertazione "The role of valve interstitial cells in the pathogenesis of calcific aortic valve disease"

#### **CONTRATTI DI RICERCA, ASSEGNI DI RICERCA O EQUIVALENTI**

Permanent position as Group Leader - Centro Cardiologico Monzino IRCCS, Milan, Italy. 29/12/2015 - present.

Research Fellowship - Centro Cardiologico Monzino IRCCS, Milan, Italy. 07/01/2014 - 28/12/2015

Research Fellowship - University of Pennsylvania Perelman School of Medicine, Philadelphia, PA, USA. 15/11/2009 - 31/12/2013

#### **ATTIVITÀ DIDATTICA A LIVELLO UNIVERSITARIO IN ITALIA O ALL'ESTERO**

n.d.

#### **DOCUMENTATA ATTIVITÀ DI FORMAZIONE O DI RICERCA PRESSO QUALIFICATI ISTITUTI ITALIANI O STRANIERI;**

2016-present: Group Leader, Cell and Molecular Biology, Centro Cardiologico Monzino, Milan, Italy.

2014-2016: Post-Doctoral Research Fellow, Centro Cardiologico Monzino, Milan, Italy.

2009-2014: Research Specialist, University of Pennsylvania, Philadelphia PA, USA.

2007-2009: Master Degree in Pharmaceutical and Medical Biotechnologies, University of Eastern Piedmont "A. Avogadro", Novara, Italy

2004-2007: Bachelor Degree in Biotechnology, University of Eastern Piedmont "A. Avogadro", Novara, Italy.

#### DOCUMENTATA ATTIVITÀ IN CAMPO CLINICO

n.d.

#### REALIZZAZIONE DI ATTIVITÀ PROGETTUALE

2022 - Ministero della Salute - PNRR: malattie Croniche non Trasmissibili (MCnT) ad alto impatto sui sistemi sanitari e socio-assistenziali: eziopatogenesi e meccanismi di malattia - 374'548.00€  
"Unraveling molecular mechanisms of cardiac remodeling driven by epicardial adipose tissue in diabetes".

CO-PRINCIPAL INVESTIGATOR and YOUNG RESEARCHER

2020 - Ministero della Salute - Ricerca Finalizzata Giovani Ricercatori - 275'250.00€

"Sex-specific mechanisms in the development of calcific aortic valve disease: from fibrosis to calcification".

COLLABORATOR

2019 - CARIPLO Foundation - Biomedical Research conducted by Young Researchers - 188'000.00€

"New mechanisms leading to aortic valve calcification: Exploring the role of plasma- and valve interstitial cell-associated PCSK9".

PRINCIPAL INVESTIGATOR

2018 - European Research Area Network on Cardiovascular Disease (ERA-CVD) - Transnational Cardiovascular Research Projects driven by Early Career Scientists - 270'900.00€

"Unravelling proprotein convertase subtilisin/kexin type 9 (PCSK9) mechanisms in calcific aortic valve disease: from aortic valve sclerosis to stenosis".

CONSORTIUM COORDINATOR

2018 - Ministero della Salute - Ricerca Finalizzata Giovani Ricercatori - 336'764.43€

"Unraveling calcific aortic valve stenosis: from early recognition to pathogenic mechanisms".

PRINCIPAL INVESTIGATOR

2014 - Fondazione Gigi & Pupa Ferrari ONLUS - Translational Research Projects - 408'141.80 €

"High specialty center for the prevention, diagnosis, and treatment of valvular and aortic diseases".

PRINCIPAL INVESTIGATOR

#### ORGANIZZAZIONE, DIREZIONE E COORDINAMENTO DI GRUPPI DI RICERCA NAZIONALI E INTERNAZIONALI, O PARTECIPAZIONE AGLI STESSI

Dal 2022 - Co-Investigatore Principale del gruppo di ricerca Nazionale composto da Stefano Genovese (Centro Cardiologico Monzino IRCCS, Milano), Veronika Myasoedova (Centro Cardiologico Monzino, Milano), Dario Leosco (Università degli Studi di Napoli, Napoli), Jessica Gambardella (Università degli Studi di Napoli, Napoli), Guido Iaccharino (Università degli Studi di Napoli, Napoli), Rodolfo Citro (IRCCS Neuromed, Istituto Neurologico Mediterraneo, Pozzilli), Michele Ciccarelli (Università degli Studi di Salerno, Salerno).

Il gruppo di ricerca si concentra sull'ipotesi che i cambiamenti morfologici, funzionali e biochimici del grasso epicardico promuovano il rimodellamento e influenzino le funzioni cardiache durante il diabete. Di conseguenza, il nostro obiettivo centrale è dimostrare, attraverso un approccio traslazionale, che il grasso epicardico agisce come legame tra diabete e l'insufficienza cardiaca, identificando i meccanismi coinvolti nel cross-talk tra cellule adipose e quelle cardiache. Le tecniche di laboratorio utilizzate spaziano da saggi biochimici, molecolari e cellulari utilizzando metodiche di

ultima generazione come “RNA-sequencing in bulk”, “Single-cell and -nuclei RNA-sequencing”, “Spatial transcriptomics”, “Proteomics” e “Secretomics”, effettuati in vivo, ex-vivo ed in vitro.

Dal 2018 - Coordinatore del Consorzio Internazionale (PICASSO project) composto da Romain Capoulade (Università di Nantes, Francia), Benoit Arsenault (Università di Laval, Québec, Canada) e Elvira Mass (Università di Bonn, Germania).

L'obiettivo generale di questo programma di ricerca è quello di fornire le prove biologiche necessarie, utilizzando un approccio altamente traslazionale, per sostenere che la proteina PCSK9 sia un bersaglio terapeutico per la prevenzione e il trattamento dei pazienti con stenosi valvolare aortica calcifica.

## TITOLARITÀ DI BREVETTI

n.d.

## ATTIVITÀ DI RELATORE A CONGRESSI E CONVEGNI NAZIONALI E INTERNAZIONALI

- National - Invited Speaker - Le "relazioni pericolose": diabete e cuore - Diabete e sclerosi valvolare aortica. dal 06-12-2019 al 06-12-2019
- National - Invited Speaker - 39° Congresso Nazionale della Società Italiana di Farmacologia - PCSK9 and valve calcification. dal 20-11-2019 al 23-11-2019
- National - Invited Speaker - Corso di ecocardiografia satellite: stenosi aortica - Epidemiologia e patogenesi della stenosi valvolare aortica. dal 07-11-2019 al 07-11-2019
- National - Invited Speaker - Expanding frontiers of aortic valve replacement - Biological Features of Aortic Valve Degeneration. dal 02-07-2019 al 02-07-2019
- National - Invited Speaker - Inibire la PCSK9: un approccio innovativo già nel futuro - Effetti della proteina PCSK9 sulla calcificazione valvolare aortica. dal 24-05-2019 al 24-05-2019
- International - Invited Speaker - ERA-CVD symposium - Transnational Cardiovascular Research Project driven by Early Career Scientists. dal 14-05-2019 al 16-05-2019
- International - Invited Speaker - Nanopore Community Meeting - Proprotein convertase subtilisin kexin type 9 knockout mice are protected from valvular calcification. dal 28-11-2018 al 29-11-2018
- National - Invited Speaker - XXIX National Congress of the Italian Society for Cardiac Surgery - New players in Aortic Aneurysm - Molecular mechanisms of mitral valve prolapse. dal 23-11-2018 al 25-11-2018
- National - Invited Speaker - XXVIII National Congress of the Italian Society for Cardiac Surgery - Biomarkers in nonrheumatic calcific aortic stenosis and mitral valve prolapse: new perspectives. dal 25-11-2016 al 27-11-2016
- International - Invited Speaker - Frontiers in Cardiovascular Biology (ESC) - Osteopontin-CD44v6 Binding Mediates Calcium Deposition via Akt in Valve Interstitial Cells from patients with non-calcified Aortic Valve Sclerosis. dal 04-07-2014 al 06-07-2014

## CONSEGUIMENTO DI PREMI E RICONOSCIMENTI NAZIONALI E INTERNAZIONALI PER ATTIVITÀ DI RICERCA

- Travel Grant 2015 - European Society of Cardiology (ESC) - Understand the molecular mechanisms involved in the calcification of the aortic valve and the discovery of new biomarkers able to identify patients before any symptoms occur
- Premio Giovanni Galli - Congresso Regionale SISA Sezione Lombardia - Patofisiologia della Degenerazione Valvolare Aortica. dal 16-10-2015 al 17-10-2015

## POSSESSO DEL DIPLOMA DI SPECIALIZZAZIONE EUROPEA RICONOSCIUTO DA BOARD INTERNAZIONALI

n.d.

## TITOLI DI CUI ALL'ARTICOLO 24 COMMA 3 LETTERA A) E B) DELLA LEGGE 30 DICEMBRE 2010, N. 240

n.d.

## PRODUZIONE SCIENTIFICA

### PUBBLICAZIONI SCIENTIFICHE

1. Delwarde C, Toquet C, Aumond P, Kayvanjoo AH, Foucal A, Le Vely B, Baudic M, Lauzier B, Blandin S, Véziers J, Paul-Gilloteaux P, Lecointe S, Baron E, Massaiu I, **Poggio P**, Rémy S, Anegon I, Le Marec H, Monassier L, Schott JJ, Mass E, Barc J, Le Tourneau T, Merot J, Capoulade R.  
Multimodality imaging and transcriptomics to phenotype mitral valve dystrophy in a unique knock-in Filamin-A rat model.  
Cardiovasc Research 2022 Aug 24;cvac136. DOI: 10.1093/cvr/cvac136  
ISSN:0008-6363 E-ISSN:1755-3245
2. Conte M, Petraglia L, Cabaro S, Valerio V, **Poggio P**, Pilato E, Attenu E, Russo V, Ferro A, Formisano P, Leosco D, Parisi V.  
Epicardial Adipose Tissue and Cardiac Arrhythmias: Focus on Atrial Fibrillation.  
Frontiers in Cardiovascular Medicine 2022 Jun 30;9:932262. DOI: 10.3389/fcvm.2022.932262  
E-ISSN: 2297-055X
3. D'Alessandra Y, Valerio V, Moschetta D, Massaiu I, Bozzi M, Conte M, Parisi V, Ciccarelli M, Leosco D, Myasoedova VA, **Poggio P**.  
Extraction-Free Absolute Quantification of Circulating miRNAs by Chip-Based Digital PCR.  
Biomedicines 2022 Jun 8;10(6):1354. DOI: 10.3390/biomedicines10061354.  
E-ISSN:2227-9059
4. Cabaro S, Conte M, Moschetta D, Petraglia L, Valerio V, Romano S, Di Tolla MF, Campana P, Comentale G, Pilato E, D'Esposito V, Di Mauro A, Cantile M, **Poggio P**, Parisi V, Leosco D, Formisano P.  
Epicardial Adipose Tissue-Derived IL-1B Triggers Postoperative Atrial Fibrillation.  
Frontiers in Cell Developmental Biology 2022 May 5;10:893729. DOI: 10.3389/fcell.2022.893729.  
E-ISSN:2296-634X
5. Bozzi M, Parisi V, **Poggio P**.  
Macrophages in the heart: Active players or simple bystanders?  
International Review of Cell and Molecular Biology 2022;368:109-141. DOI:  
10.1016/bs.ircmb.2022.04.005.  
ISSN:1937-6448
6. Valerio V, Keceli G, Moschetta D, Porro B, Ciccarelli M, Massaiu I, Songia P, Maione AS, Alfieri V, Myasoedova VA, Zanobini M, Paolocci N, **Poggio P**.  
Enduring Reactive Oxygen Species Emission Causes Aberrant Protein S-Glutathionylation Transitioning Human Aortic Valve Cells from a Sclerotic to a Stenotic Phenotype.  
Antioxidants and Redox Signaling 2022 Aug 2. DOI: 10.1089/ars.2021.0133.  
ISSN:1523-0864 E-ISSN:1557-7716
7. Myasoedova VA, Conte M, Valerio V, Moschetta D, Massaiu I, Petraglia L, Leosco D, **Poggio P**, Parisi V.  
Red Flags, Prognostic Impact, and Management of Patients With Cardiac Amyloidosis and Aortic Valve Stenosis: A Systematic Review and Meta-Analysis.  
Frontiers in Medicine 2022 Mar 9;9:858281. DOI: 10.3389/fmed.2022.858281.  
E-ISSN:2296-858X

8. Myasoedova VA, Massaiu I, Moschetta D, Chiesa M, Songia P, Valerio V, Alfieri V, Capoulade R, Trabattoni D, Andreini D, Mass E, Parisi V, **Poggio P**.  
Sex-Specific Cell Types and Molecular Pathways Indicate Fibro-Calcific Aortic Valve Stenosis.  
Frontiers in Immunology 2022 Feb 24;13:747714. DOI: 10.3389/fimmu.2022.747714.  
E-ISSN:1664-3224
9. Conte M, Petraglia L, **Poggio P**, Valerio V, Cabaro S, Campana P, Comentale G, Attena E, Russo V, Pilato E, Formisano P, Leosco D, Parisi V.  
Inflammation and Cardiovascular Diseases in the Elderly: The Role of Epicardial Adipose Tissue.  
Frontiers in Medicine 2022 Feb 15;9:844266. DOI: 10.3389/fmed.2022.844266.  
E-ISSN:2296-858X
10. Moschetta D, Di Maria E, Valerio V, Massaiu I, Bozzi M, Songia P, D'alessandra Y, Myasoedova VA, **Poggio P**.  
Purinergic Receptor P2Y2 Stimulation Averts Aortic Valve Interstitial Cell Calcification and Myofibroblastic Activation.  
Biomedicines 2022 Feb 16;10(2):457. DOI: 10.3390/biomedicines10020457.  
E-ISSN:2227-9059
11. Lupo MG, Bressan A, Donato M, Canzano P, Camera M, **Poggio P**, Greco MF, Garofalo M, De Martin S, Panighel G, Ruscica M, Baragetti A, Bollati V, Faggin E, Rattazzi M, Catapano AL, Ferri N.  
PCSK9 promotes arterial medial calcification.  
Atherosclerosis 2022 Apr;346:86-97. DOI: 10.1016/j.atherosclerosis.2022.01.015.  
ISSN:0021-9150 E-ISSN:1879-1484
12. Alfieri V, Myasoedova VA, Vinci MC, Rondinelli M, Songia P, Massaiu I, Cosentino N, Moschetta D, Valerio V, Ciccarelli M, Marenzi G, Genovese S, **Poggio P**.  
The Role of Glycemic Variability in Cardiovascular Disorders.  
International Journal of Molecular Sciences 2021 Aug 4;22(16):8393. DOI: 10.3390/ijms22168393.  
ISSN:1661-6596 E-ISSN:1422-0067
13. Myasoedova VA, Genovese S, Cavallotti L, Bonomi A, Chiesa M, Campodonico J, Rondinelli M, Cosentino N, Baldassarre D, Veglia F, Pepi M, Alamanni F, Colombo GI, Marenzi G, **Poggio P**.  
Aortic Valve Sclerosis in High-Risk Coronary Artery Disease Patients.  
Frontiers in Cardiovascular Medicine 2021 Jul 27;8:711899. DOI: 10.3389/fcvm.2021.711899.  
E-ISSN: 2297-055X
14. Massaiu I, Songia P, Chiesa M, Valerio V, Moschetta D, Alfieri V, Myasoedova VA, Schmid M, Cassetta L, Colombo GI, D'Alessandra Y, **Poggio P**.  
Evaluation of Oxford Nanopore MinION RNA-Seq Performance for Human Primary Cells.  
International Journal of Molecular Sciences 2021 Jun 12;22(12):6317. DOI: 10.3390/ijms22126317.  
ISSN:1661-6596 E-ISSN:1422-0067
15. Myasoedova VA, Saccu C, Chiesa M, Songia P, Alfieri V, Massaiu I, Valerio V, Moschetta D, Gripari P, Naliato M, Cavallotti L, Spirito R, Trabattoni P, **Poggio P**.  
Aortic Valve Sclerosis as an Important Predictor of Long-Term Mortality in Patients With Carotid Atheromatous Plaque Requiring Carotid Endarterectomy.  
Frontiers in Cardiovascular Medicine 2021 May 28;8:653991. DOI: 10.3389/fcvm.2021.653991.  
E-ISSN: 2297-055X
16. Bourgeois R, Girard A, Perrot N, Guertin J, Mitchell PL, Couture C, Gotti C, Bourassa S, **Poggio P**, Mass E, Capoulade R, Scipione CA, Després AA, Couture P, Droit A, Pibarot P, Boffa MB, Thériault S, Koschinsky ML, Mathieu P, Arsenault BJ.  
A Comparative Analysis of the Lipoprotein(a) and Low-Density Lipoprotein Proteomic Profiles Combining Mass Spectrometry and Mendelian Randomization.  
CJC Open 2020 Dec 3;3(4):450-459. DOI: 10.1016/j.cjco.2020.11.019.  
E-ISSN:2589-790X

17. Perrucci GL, Sommariva E, Ricci V, Songia P, D'Alessandra Y, **Poggio P**, Pompilio G, Polvani G, Guarino A.  
Presence of SARS-CoV-2 Nucleoprotein in Cardiac Tissues of Donors with Negative COVID-19 Molecular Tests.  
Diagnostics 2021 Apr 20;11(4):731. DOI 10.3390/diagnostics11040731.  
E-ISSN:2075-4418
18. Amendola A, Garoffolo G, Songia P, Nardacci R, Ferrari S, Bernava G, Canzano P, Myasoedova V, Colavita F, Castilletti C, Sberna G, Capobianchi MR, Piacentini M, Agrifoglio M, Colombo GI, **Poggio P**, Pesce M.  
Human cardiosphere-derived stromal cells exposed to SARS-CoV-2 evolve into hyper-inflammatory/pro-fibrotic phenotype and produce infective viral particles depending on the levels of ACE2 receptor expression.  
Cardiovasc Research 2021 May 25;117(6):1557-1566. DOI: 10.1093/cvr/cvab082.  
ISSN:0008-6363 E-ISSN:1755-3245
19. Songia P, Chiesa M, Alfieri V, Massaiu I, Moschetta D, Myasoedova V, Valerio V, Fusini L, Gripari P, Zanobini M, **Poggio P**.  
Putative Circulating MicroRNAs Are Able to Identify Patients with Mitral Valve Prolapse and Severe Regurgitation.  
International Journal of Molecular Sciences 2021 Feb 20;22(4):2102. DOI: 10.3390/ijms22042102.  
ISSN:1661-6596 E-ISSN:1422-0067
20. Canzano P, Brambilla M, Porro B, Cosentino N, Tortorici E, Vicini S, **Poggio P**, Cascella A, Pengo MF, Veglia F, Fiorelli S, Bonomi A, Cavalca V, Trabattoni D, Andreini D, Omodeo Salè E, Parati G, Tremoli E, Camera M.  
Platelet and Endothelial Activation as Potential Mechanisms Behind the Thrombotic Complications of COVID-19 Patients.  
JACC: Basic to Translational Science 2021 Mar;6(3):202-218. DOI: 10.1016/j.jacbts.2020.12.009.  
ISSN:2452-302X
21. **Poggio P**, Songia P, Vavassori C, Ricci V, Banfi C, Barbieri SS, Garoffolo G, Myasoedova VA, Piacentini L, Raucci A, Scopece A, Sommariva E, Vinci MC, Carcione D, Biondi ML, Mancini ME, Formenti A, Andreini D, Assanelli EM, Agostoni P, Camera M, Colombo GI, Pesce M.  
Digital PCR for high sensitivity viral detection in false-negative SARS-CoV-2 patients.  
Scientific Reports 2021 Feb 22;11(1):4310. dDOI 10.1038/s41598-021-83723-x.  
ISSN:2045-2322
22. Sorriento D, Rusciano MR, Visco V, Fiordelisi A, Cerasuolo FA, **Poggio P**, Ciccarelli M, Iaccarino G.  
The Metabolic Role of GRK2 in Insulin Resistance and Associated Conditions.  
Cells 2021 Jan 15;10(1):167. DOI: 10.3390/cells10010167.  
E-ISSN:2073-4409
23. Bulfamante GP, Perrucci GL, Falleni M, Sommariva E, Tosi D, Martinelli C, Songia P, **Poggio P**, Carugo S, Pompilio G.  
Evidence of SARS-CoV-2 Transcriptional Activity in Cardiomyocytes of COVID-19 Patients without Clinical Signs of Cardiac Involvement.  
Biomedicines 2020 Dec 18;8(12):626. DOI 10.3390/biomedicines8120626.  
E-ISSN:2227-9059
24. Moschetta D, Di Minno MND, Porro B, Perrucci GL, Valerio V, Alfieri V, Massaiu I, Orekhov AN, Di Minno A, Songia P, Cavalca V, Myasoedova VA, **Poggio P**.  
Relationship Between Plasma Osteopontin and Arginine Pathway Metabolites in Patients With Overt Coronary Artery Disease.  
Frontiers in Physiology 2020 Aug 6;11:982. DOI: 10.3389/fphys.2020.00982.  
ISSN:1664-042X
25. Summerhill VI, Moschetta D, Orekhov AN, **Poggio P**, Myasoedova VA.  
Sex-Specific Features of Calcific Aortic Valve Disease  
International Journal of Molecular Sciences 2020 Aug 6;21(16):5620. DOI: 10.3390/ijms21165620.  
ISSN:1661-6596 E-ISSN:1422-0067

26. Perrot N, Valerio V, Moschetta D, Boekholdt SM, Dina C, Chen HY, Abner E, Martinsson A, Manikpurage HD, Rigade S, Capoulade R, Mass E, Clavel MA, Le Tourneau T, Messika-Zeitoun D, Wareham NJ, Engert JC, Polvani G, Pibarot P, Esko T, Smith JG, Mathieu P, Thanassoulis G, Schott JJ, Bossé Y, Camera M, Thériault S, **Poggio P**, Arsenault BJ.  
Genetic and In Vitro Inhibition of PCSK9 and Calcific Aortic Valve Stenosis.  
JACC: Basic to Translational Science 2020 Jul 1;5(7):649-661. DOI: 10.1016/j.jacbts.2020.05.004.  
ISSN:2452-302X
27. Di Minno A, Lupoli R, Calcaterra I, **Poggio P**, Forte F, Spadarella G, Ambrosino P, Iannuzzo G, Di Minno MND.  
Efficacy and Safety of Bempedoic Acid in Patients With Hypercholesterolemia: Systematic Review and Meta-Analysis of Randomized Controlled Trials.  
Journal of the American Heart Association 2020 Aug 4;9(15):e016262. DOI: 10.1161/JAHA.119.016262.  
ISSN:2047-9980
28. Perrucci GL, Songia P, Moschetta D, Barbagallo VA, Valerio V, Myasoedova VA, Alfieri V, Massaiu I, Roberto M, Malešević M, Pompilio G, **Poggio P**.  
Cyclophilin A inhibition as potential treatment of human aortic valve calcification.  
Pharmacological Research 2020 Aug;158:104888. DOI: 10.1016/j.phrs.2020.104888.  
ISSN:1043-6618 E-ISSN:1096-1186
29. Ciccarelli M, Sorriento D, Fiordelisi A, Gambardella J, Franco A, Del Giudice C, Sala M, Monti MG, Bertamino A, Campiglia P, Oliveti M, **Poggio P**, Trinchese G, Cavaliere G, Cipolletta E, Mollica MP, Bonaduce D, Trimarco B, Iaccarino G.  
Pharmacological inhibition of GRK2 improves cardiac metabolism and function in experimental heart failure.  
ESC Heart Failure 2020 Aug;7(4):1571-1584. DOI: 10.1002/ehf2.12706.  
E-ISSN:2055-5822
30. Myasoedova VA, Di Minno A, Songia P, Massaiu I, Alfieri V, Valerio V, Moschetta D, Andreini D, Alamanni F, Pepi M, Trabattori D, **Poggio P**.  
Sex-specific differences in age-related aortic valve calcium load: A systematic review and meta-analysis.  
Ageing Res Rev. 2020 Aug;61:101077. DOI: 10.1016/j.arr.2020.101077.  
ISSN:1568-1637
31. Poznyak A, Grechko AV, **Poggio P**, Myasoedova VA, Alfieri V, Orekhov AN.  
The Diabetes Mellitus-Atherosclerosis Connection: The Role of Lipid and Glucose Metabolism and Chronic Inflammation.  
International Journal of Molecular Sciences 2020 Mar 6;21(5):1835. DOI: 10.3390/ijms21051835.  
ISSN:1661-6596 E-ISSN:1422-0067
32. Kirichenko TV, Myasoedova VA, Ravani AL, Sobenin IA, Orekhova VA, Romanenko EB, **Poggio P**, Wu WK, Orekhov AN.  
Carotid Atherosclerosis Progression in Postmenopausal Women Receiving a Mixed Phytoestrogen Regimen: Plausible Parallels with Kronos Early Estrogen Replacement Study.  
Biology 2020 Mar 6;9(3):48. DOI: 10.3390/biology9030048.  
E-ISSN:2079-7737
33. Di Minno A, Porro B, Turnu L, Manega CM, Eligini S, Barbieri S, Chiesa M, **Poggio P**, Squellerio I, Anesi A, Fiorelli S, Caruso D, Veglia F, Cavalca V, Tremoli E.  
Untargeted Metabolomics to Go beyond the Canonical Effect of Acetylsalicylic Acid.  
Journal of Clinical Medicine 2019 Dec 24;9(1):51. DOI: 10.3390/jcm9010051.  
E-ISSN:2077-0383
34. Rusciano MR, Sommariva E, Douin-Echinard V, Ciccarelli M, **Poggio P**, Maione AS.  
CaMKII Activity in the Inflammatory Response of Cardiac Diseases.  
International Journal of Molecular Sciences 2019 Sep 6;20(18):4374. DOI: 10.3390/ijms20184374.  
ISSN:1661-6596 E-ISSN:1422-0067

35. **Poggio P**, Cavallotti L, Myasoedova VA, Bonomi A, Songia P, Gripari P, Valerio V, Amato M, Barbieri S, Faggiano P, Alamanni F, Veglia F, Pepi M, Tremoli E, Baldassarre D.  
Aortic Valve Sclerosis Adds to Prediction of Short-Term Mortality in Patients with Documented Coronary Atherosclerosis.  
Journal of Clinical Medicine 2019 Aug 5;8(8):1172. DOI: 10.3390/jcm8081172.  
E-ISSN:2077-0383
36. Di Minno MND, **Poggio P**, Conte E, Myasoedova V, Songia P, Mushtaq S, Cavallotti L, Moschetta D, Di Minno A, Spadarella G, Pizzicato P, Pontone G, Pepi M, Andreini D.  
Cardiovascular morbidity and mortality in patients with aortic valve calcification: A systematic review and meta-analysis.  
Journal of Cardiovascular Computed Tomography 2019 Jul-Aug;13(4):190-195. DOI: 10.1016/j.jcct.2019.06.006.  
ISSN:1934-5925
37. Porro B, Songia P, Myasoedova VA, Valerio V, Moschetta D, Gripari P, Fusini L, Cavallotti L, Canzano P, Turnu L, Alamanni F, Camera M, Cavalca V, **Poggio P**.  
Endothelial Dysfunction in Patients with Severe Mitral Regurgitation  
Journal of Clinical Medicine 2019 Jun 12;8(6):835. DOI: 10.3390/jcm8060835.  
E-ISSN:2077-0383
38. **Poggio P**, Songia P, Moschetta D, Valerio V, Myasoedova V, Perrucci GL, Pompilio G.  
MiRNA profiling revealed enhanced susceptibility to oxidative stress of endothelial cells from bicuspid aortic valve.  
Journal of Molecular and Cellular Cardiology 2019 Jun;131:146-154. DOI: 10.1016/j.yjmcc.2019.04.024. Epub 2019 Apr 23.  
ISSN:0022-2828 E-ISSN:1095-8584
39. Valerio V, Myasoedova VA, Moschetta D, Porro B, Perrucci GL, Cavalca V, Cavallotti L, Songia P, **Poggio P**.  
Impact of Oxidative Stress and Protein S-Glutathionylation in Aortic Valve Sclerosis Patients with Overt Atherosclerosis.  
Journal of Clinical Medicine 2019 2019 Apr 24;8(4):552. DOI: 10.3390/jcm8040552.  
E-ISSN:2077-0383
40. **Poggio P**, Songia P, Cavallotti L, Barbieri SS, Zanotti I, Arsenault BJ, Valerio V, Ferri N, Capoulade R, Camera M.  
PCSK9 Involvement in Aortic Valve Calcification.  
Journal of the American College of Cardiology 2018 Dec 18;72(24):3225-3227. DOI: 10.1016/j.jacc.2018.09.063.  
ISSN:0735-1097 E-ISSN:1558-3597
41. Perrucci GL, Barbagallo VA, Corliano M, Tosi D, Santoro R, Nigro P, **Poggio P**, Bulfamante G, Lombardi F, Pompilio G.  
Integrin  $\alpha v \beta 5$  in vitro inhibition limits pro-fibrotic response in cardiac fibroblasts of spontaneously hypertensive rats.  
Journal of Translational Medicine 2018 Dec 12;16(1):352. DOI: 10.1186/s12967-018-1730-1.  
E-ISSN:1479-5876
42. Songia P, Chiesa M, Valerio V, Moschetta D, Myasoedova VA, D'Alessandra Y, **Poggio P**.  
Direct screening of plasma circulating microRNAs.  
RNA Biology 2018;15(10):1268-1272. DOI: 10.1080/15476286.2018.1526538.  
ISSN:1547-6286 E-ISSN:1555-8584
43. Myasoedova VA, Ravani AL, Frigerio B, Valerio V, Moschetta D, Songia P, **Poggio P**.  
Novel pharmacological targets for calcific aortic valve disease: Prevention and treatments.  
Pharmacological Research 2018 Oct;136:74-82. DOI: 10.1016/j.phrs.2018.08.020.  
ISSN:1043-6618 E-ISSN:1096-1186



44. Zanobini M, Loardi C, **Poggio P**, Tamborini G, Veglia F, Di Minno A, Myasoedova V, Mammana LF, Biondi R, Pepi M, Alamanni F, Saccocci M.  
The impact of pericardial approach and myocardial protection onto postoperative right ventricle function reduction.  
Journal of Cardiothoracic Surgery 2018 Jun 5;13(1):55. DOI: 10.1186/s13019-018-0726-5.  
ISSN:1749-8090
45. Di Minno MND, Di Minno A, Ambrosino P, Songia P, Pepi M, Tremoli E, **Poggio P**.  
Cardiovascular morbidity and mortality in patients with aortic valve sclerosis: A systematic review and meta-analysis.  
International Journal of Cardiology 2018 Jun 1;260:138-144. DOI: 10.1016/j.ijcard.2018.01.054.  
ISSN:0167-5273 E-ISSN:1874-1754
46. Di Minno A, Zanobini M, Myasoedova VA, Valerio V, Songia P, Saccocci M, Di Minno MND, Tremoli E, **Poggio P**.  
Could circulating fetuin A be a biomarker of aortic valve stenosis?  
International Journal of Cardiology 2017 Dec 15;249:426-430. DOI: 10.1016/j.ijcard.2017.05.040.  
ISSN:0167-5273 E-ISSN:1874-1754
47. Zanobini M, Loardi C, Mammana FL, Kassem S, Alamanni F, Di Minno A, **Poggio P**, Myasaoedova V, Saccocci M.  
Single-centre early experience with sutureless valve Perceval: focus onto size gaining.  
Journal of Cardiovascular Surgery 2017 Dec;58(6):951-952. DOI: 10.23736/S0021-9509.17.10116-3.  
ISSN:0021-9509
48. Zanobini M, Ricciardi G, Mammana FL, Kassem S, **Poggio P**, Di Minno A, Cavallotti L, Saccocci M.  
The 'respect rather than resect' principle in mitral valve repair: the lateral dislocation of the P2 technique.  
Journal of Cardiovascular Medicine 2017 Sep;18(9):687-690. DOI: 10.2459/JCM.0000000000000541.  
ISSN:1558-2027 E-ISSN:1558-2035
49. Perrucci GL, Zanobini M, Gripari P, Songia P, Alshaikh B, Tremoli E, **Poggio P**.  
Pathophysiology of Aortic Stenosis and Mitral Regurgitation.  
Comprehensive Physiology 2017 Jun 18;7(3):799-818. DOI: 10.1002/cphy.c160020.  
ISSN:2040-4603
50. Lupoli R, Vaccaro A, Ambrosino P, **Poggio P**, Amato M, Di Minno MN.  
Impact of Vitamin D deficiency on subclinical carotid atherosclerosis: a pooled analysis of cohort studies.  
Journal of Clinical Endocrinology and Metabolism 2017 Jul;102(7):2146-2153. DOI: 10.1210/jc.2017-00342.  
ISSN:0021-972X E-ISSN:1945-7197
51. Zanobini M, Saccocci M, Tamborini G, Veglia F, Di Minno A, **Poggio P**, Pepi M, Alamanni F, Loardi C.  
Postoperative Echocardiographic Reduction of Right Ventricular Function: Is Pericardial Opening Modality the Main Culprit?  
BioMed Research International 2017;2017:4808757. DOI: 10.1155/2017/4808757.  
ISSN:2314-6133 E-ISSN:2314-6141
52. Parolari A, Cavallotti L, Andreini D, Myasoedova V, Banfi C, Camera M, **Poggio P**, Barili F, Pontone G, Mussoni L, Centenaro C, Alamanni F, Tremoli E; Coronary Bypass Grafting: Factors Related to Late Events and Graft Patency (CAGE) study investigators.  
D-dimer is associated with arterial and venous coronary artery bypass graft occlusion.  
Journal of Thoracic and Cardiovascular Surgery 2018 Jan;155(1):200-207.e3. DOI: 10.1016/j.jtcvs.2017.04.043.  
ISSN:0022-5223 E-ISSN:1097-685X

53. Songia P, Porro B, Chiesa M, Myasoedova V, Alamanni F, Tremoli E, **Poggio P**. Identification of Patients Affected by Mitral Valve Prolapse with Severe Regurgitation: A Multivariable Regression Model. *Oxidative Medicine and Cellular Longevity* 2017;2017:6838921. DOI: 10.1155/2017/6838921. ISSN:1942-0900 E-ISSN:1942-0994
54. **Poggio P**, Folesani G, Raffa GM, Songia P, Valenti V, Myasoedova V, Parolari A. Antihypertensive Treatments in Patients Affected by Aortic Valve Stenosis. *Current Pharmaceutical Design* 2017;23(8):1188-1194. DOI: 10.2174/1381612823666161123144534. ISSN:1381-6128 E-ISSN:1873-4286
55. Di Minno MND, Di Minno A, Songia P, Ambrosino P, Gripari P, Ravani A, Pepi M, Rubba PO, Medda E, Tremoli E, Baldassarre D, **Poggio P**. Markers of subclinical atherosclerosis in patients with aortic valve sclerosis: A meta-analysis of literature studies. *International Journal of Cardiology* 2016 Nov 15;223:364-370. DOI: 10.1016/j.ijcard.2016.08.122. ISSN:0167-5273 E-ISSN:1874-1754
56. Myasoedova VA, Kirichenko TV, Melnichenko AA, Orekhova VA, Ravani A, **Poggio P**, Sobenin IA, Bobryshev YV, Orekhov AN. Anti-Atherosclerotic Effects of a Phytoestrogen-Rich Herbal Preparation in Postmenopausal Women. *International Journal of Molecular Sciences* 2016 Aug 11;17(8):1318. DOI: 10.3390/ijms17081318. ISSN:1661-6596 E-ISSN:1422-0067
57. Songia P, Branchetti E, Parolari A, Myasoedova V, Ferrari G, Alamanni F, Tremoli E, **Poggio P**. Mitral valve endothelial cells secrete osteoprotegerin during endothelial mesenchymal transition. *Journal of Molecular and Cellular Cardiology* 2016 Sep;98:48-57. DOI: 10.1016/j.yjmcc.2016.06.061. ISSN:0022-2828 E-ISSN:1095-8584
58. **Poggio P**, Cavallotti L, Songia P, Di Minno A, Ambrosino P, Mammana L, Parolari A, Alamanni F, Tremoli E, Di Minno MN. Impact of Valve Morphology on the Prevalence of Coronary Artery Disease: A Systematic Review and Meta-Analysis. *Journal of the American Heart Association* 2016 May 18;5(5):e003200. DOI: 10.1161/JAHA.116.003200. ISSN:2047-9980
59. Di Minno MN, Di Minno A, Ambrosino P, Songia P, Tremoli E, **Poggio P**. Aortic valve sclerosis as a marker of atherosclerosis: Novel insights from hepatic steatosis. *International Journal of Cardiology* 2016 Aug 15;217:1-6. DOI: 10.1016/j.ijcard.2016.04.162. ISSN:0167-5273 E-ISSN:1874-1754
60. Parolari A, **Poggio P**, Myasoedova V, Songia P, Bonalumi G, Piloizzi A, Pacini D, Alamanni F, Tremoli E. Biomarkers in Coronary Artery Bypass Surgery: Ready for Prime Time and Outcome Prediction? *Frontiers in Cardiovascular Medicine* 2016 Jan 5;2:39. DOI: 10.3389/fcvm.2015.00039. E-ISSN:2297-055X
61. Parolari A, **Poggio P**, Myasoedova V, Songia P, Piloizzi A, Alamanni F, Tremoli E. Molecular pathways activation in coronary artery bypass surgery: which role for pump avoidance? *Journal of Cardiovascular Medicine* 2016 Jan;17(1):54-61. DOI: 10.2459/JCM.0000000000000293. ISSN:1558-2027 E-ISSN:1558-2035
62. Parolari A, Songia P, Myasoedova V, **Poggio P**. Re: development of a next-generation tissue valve using a glutaraldehyde-fixed porcine aortic valve treated with decellularization,  $\alpha$ -galactosidase, space filler, organic solvent and detoxification. *European Journal of Cardio-thoracic Surgery* 2015 Jul;48(1):114. doi: 10.1093/ejcts/ezu432. ISSN:1010-7940 E-ISSN:1873-734X

63. Branchetti E, Bavaria JE, Grau JB, Shaw RE, **Poggio P**, Lai EK, Desai ND, Gorman JH, Gorman RC, Ferrari G.  
Circulating soluble receptor for advanced glycation end product identifies patients with bicuspid aortic valve and associated aortopathies.  
Arteriosclerosis, Thrombosis, and Vascular Biology 2014 Oct;34(10):2349-57. DOI: 10.1161/ATVBAHA.114.303784.  
ISSN:1079-5642E-ISSN:1524-4636
64. **Poggio P**, Branchetti E, Grau JB, Lai EK, Gorman RC, Gorman JH 3rd, Sacks MS, Bavaria JE, Ferrari G.  
Osteopontin-CD44v6 interaction mediates calcium deposition via phospho-Akt in valve interstitial cells from patients with noncalcified aortic valve sclerosis.  
Arteriosclerosis, Thrombosis, and Vascular Biology 2014 Sep;34(9):2086-94. DOI: 10.1161/ATVBAHA.113.303017.  
ISSN:1079-5642E-ISSN:1524-4636
65. Branchetti E, **Poggio P**, Sainger R, Shang E, Grau JB, Jackson BM, Lai EK, Parmacek MS, Gorman RC, Gorman JH, Bavaria JE, Ferrari G.  
Oxidative stress modulates vascular smooth muscle cell phenotype via CTGF in thoracic aortic aneurysm.  
Cardiovascular Research 2013 Nov 1;100(2):316-24. DOI: 10.1093/cvr/cvt205.  
ISSN:0008-6363 E-ISSN:1755-3245
66. Sainger R, Grau JB, Branchetti E, **Poggio P**, Lai E, Koka E, Vernick WJ, Gorman RC, Bavaria JE, Ferrari G.  
Comparison of transesophageal echocardiographic analysis and circulating biomarker expression profile in calcific aortic valve disease.  
Journal of Heart Valve Disease 2013 Mar;22(2):156-65.  
ISSN:0966-8519
67. **Poggio P**, Sainger R, Branchetti E, Grau JB, Lai EK, Gorman RC, Sacks MS, Parolari A, Bavaria JE, Ferrari G.  
Noggin attenuates the osteogenic activation of human valve interstitial cells in aortic valve sclerosis.  
Cardiovascular Research 2013 Jun 1;98(3):402-10. DOI: 10.1093/cvr/cvt055.  
ISSN:0008-6363 E-ISSN:1755-3245
68. Branchetti E, Sainger R, **Poggio P**, Grau JB, Patterson-Fortin J, Bavaria JE, Chorny M, Lai E, Gorman RC, Levy RJ, Ferrari G.  
Antioxidant enzymes reduce DNA damage and early activation of valvular interstitial cells in aortic valve sclerosis.  
Arteriosclerosis, Thrombosis, and Vascular Biology 2013 Feb;33(2):e66-74. DOI: 10.1161/ATVBAHA.112.300177.  
ISSN:1079-5642E-ISSN:1524-4636
69. Ferrari G, Terushkin V, Wolff MJ, Zhang X, Valacca C, **Poggio P**, Pintucci G, Mignatti P.  
TGF- $\beta$ 1 induces endothelial cell apoptosis by shifting VEGF activation of p38(MAPK) from the prosurvival p38 $\beta$  to proapoptotic p38 $\alpha$ .  
Molecular Cancer Research 2012 May;10(5):605-14. DOI: 10.1158/1541-7786.MCR-11-0507.  
ISSN:1541-7786 E-ISSN:1557-3125
70. Sainger R, Grau JB, **Poggio P**, Branchetti E, Bavaria JE, Gorman JH 3rd, Gorman RC, Ferrari G.  
Dephosphorylation of circulating human osteopontin correlates with severe valvular calcification in patients with calcific aortic valve disease.  
Biomarkers 2012 Mar;17(2):111-8. DOI: 10.3109/1354750X.2011.642407.  
ISSN:1354-750X E-ISSN:1366-5804

71. Sainger R, Grau JB, Branchetti E, **Poggio P**, Seefried WF, Field BC, Acker MA, Gorman RC, Gorman JH 3rd, Hargrove CW 3rd, Bavaria JE, Ferrari G.  
Human myxomatous mitral valve prolapse: role of bone morphogenetic protein 4 in valvular interstitial cell activation.  
Journal of Cellular Physiology 2012 Jun;227(6):2595-604. DOI: 10.1002/jcp.22999.  
ISSN:0021-9541 E-ISSN:1097-4652
72. Grau JB, **Poggio P**, Sainger R, Vernick WJ, Seefried WF, Branchetti E, Field BC, Bavaria JE, Acker MA, Ferrari G.  
Analysis of osteopontin levels for the identification of asymptomatic patients with calcific aortic valve disease.  
Annals of Thoracic Surgery 2012 Jan;93(1):79-86. DOI: 10.1016/j.athoracsur.2011.08.036.  
ISSN:0003-4975 E-ISSN:1552-6259
73. **Poggio P**, Grau JB, Field BC, Sainger R, Seefried WF, Rizzolio F, Ferrari G.  
Osteopontin controls endothelial cell migration in vitro and in excised human valvular tissue from patients with calcific aortic stenosis and controls.  
Journal of Cellular Physiology 2011 Aug;226(8):2139-49. doi: 10.1002/jcp.22549.  
ISSN:0021-9541 E-ISSN:1097-4652
74. Beckmann E, Grau JB, Sainger R, **Poggio P**, Ferrari G.  
Insights into the use of biomarkers in calcific aortic valve disease.  
Journal of Heart Valve Disease  
ISSN:0966-8519

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