

**Pietro Ameri, M.D., Ph.D.**

## **CURRICULUM VITAE**

### **PERSONAL INFORMATION**

<i>Name</i>	Pietro Ameri
<i>Date of birth</i>	July 31 <sup>st</sup> 1981
<i>Nationality</i>	Italian
<i>Work address</i>	Department of Internal Medicine University of Genova Viale Benedetto XV, 6 16132 Genova Italy
<i>Phone</i>	+39 0103538928
<i>E-mail</i>	pietroameri@unige.it

### **CURRENT APPOINTMENT**

Assistant Professor in Cardiology Cardiovascular Disease Unit, AOU IRCCS San Martino - IST Laboratory of Cardiovascular Biology, Department of Internal Medicine University of Genova, Genova, Italy
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### **PREVIOUS POSITIONS**

2014	Postdoctoral Researcher at the Laboratory of Cardiovascular Biology, Department of Internal Medicine, University of Genova, Genova, Italy.
2012 - 2013	Research Scientist at the Bunnie Joan Sachs Laboratory, Department of Medicine - Division of Endocrinology, New York University School of Medicine, New York, NY, U.S.A.
2009 - 2010	Visiting researcher at the Bunnie Joan Sachs Laboratory, New York University School of Medicine, New York, NY, U.S.A.

### **EDUCATION**

2012 - 2014	Ph.D. in Cardiovascular, Renal, and Metabolic Biology and Pathophysiology School of Clinical and Experimental Internal Medicine, University of Genova, Italy
2007 - 2012	Residency in Internal Medicine University of Genova, Italy
2000 - 2006	School of Medicine University of Genova, Italy

### **MEDICAL LICENSES**

July 2010	United States Medical Licensing Examination (USMLE) Step 2 Clinical Knowledge, <u>scores 242 and 99</u>
May 2010	USMLE Step 1, <u>scores 236 and 99</u>
2007	Italian Medical License, <u>score 270/270</u>

## SCIENTIFIC ACTIVITY

Author of 48 peer-reviewed papers, total IF 174.8, mean IF 3.6, H-index 13.

First or last author of 24 peer-reviewed papers, total IF 96.3, mean IF 4.

## SELECTED PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. Denegri A, Moccetti T, Moccetti M, Spallarossa P, Brunelli C, **Ameri P**. *Cardiac toxicity of trastuzumab in elderly patients with breast cancer*. J Geriatr Cardiol, accepted for publication
2. **Ameri P**, Bertero E, Meliota G, Cheli M, Canepa M, Brunelli C, Balbi M. *Neurohormonal activation and pharmacological inhibition in pulmonary arterial hypertension and related right ventricular failure*. Heart Fail Rev. 2016 May 20 [Epub ahead of print]
3. Mercurio V, Pirozzi F, Lazzarini E, Marone G, Rizzo P, Agnetti G, Tocchetti CG, Ghigo A, **Ameri P**. *Models of heart failure based on the cardiotoxicity of anticancer drugs*. J Card Fail. 2016;S1071-9164:30023-9
4. Canepa M, Pozios I, Vianello PF, **Ameri P**, Brunelli C, Ferrucci L, Abraham TP. *Distinguishing ventricular septal bulge versus hypertrophic cardiomyopathy in the elderly*. Heart. 2016 Apr 27. pii: heartjnl-2015-308764
5. Altieri P, Barisione C, Lazzarini E, Garuti A, Bezante GP, Canepa M, Spallarossa P, Tocchetti CG, Bollini S, Brunelli C, **Ameri P**. *Testosterone antagonizes doxorubicin-induced senescence of cardiomyocytes*. J Am Heart Assoc. 2016;5:e002383
6. Barisione C, Garibaldi S, Furfaro AL, Nitti M, Palmieri D, Passalacqua M, Garuti A, Verzola D, Parodi A, **Ameri P**, Altieri P, Fabbi P, Ferrar PF, Brunelli C, Arsenescu V, Balbi M, Palombo D, Ghigliotti G. *Moderate increase of indoxyl sulfate promotes monocyte transition into profibrotic macrophages*. PLoS One. 2016;11:e0149276
7. Molinaro M\*, **Ameri P\***, Marone G, Petretta M, Abete P, Di Lisa F, De Placido S, Bonaduce D, Tocchetti CG. *Recent advances on pathophysiology, diagnostic and therapeutic insights in cardiac dysfunction induced by antineoplastic drugs*. Biomed Res Int. 2015;2015:138148 (\* contributed equally)
8. Fabbi P, Spallarossa P, Garibaldi G, Barisione C, Mura M, Altieri P, Rebesco B, Monti MG, Canepa M, Ghigliotti G, Brunelli C, **Ameri P**. *Doxorubicin impairs the insulin-like growth factor-1 system and causes insulin-like growth factor-1 resistance in cardiomyocytes*. PLoS One. 2015;10:e0124643
9. Rizzo P, Mele D, Caliceti C, Pannella M, Fortini C, Clementz AG, Morelli MB, Aquila G, **Ameri P**, Ferrari R. *The role of notch in the cardiovascular system: potential adverse effects of investigational notch inhibitors*. Front Oncol. 2015;4:384
10. Barisione C, Ghigliotti G, Canepa M, Balbi M, Brunelli C, **Ameri P**. *Indoxyl sulfate: a candidate target for the prevention and treatment of cardiovascular disease in chronic kidney disease*. Curr Drug Targets. 2015;16:366-72
11. **Ameri P**, Canepa M, Fabbi P, Leoncini G, Milaneschi Y, Mussap M, AlGhatrif M, Balbi M, Viazzi F, Murialdo G, Pontremoli R, Brunelli C, Ferrucci L. *Vitamin D modulates the association of circulating insulin-like growth factor-1 with carotid artery intima-media thickness*. Atherosclerosis. 2014;236:418-25
12. Canepa M, **Ameri P**, AlGhatrif M, Pestelli G, Milaneschi Y, Strait JB, Giallauria F, Ghigliotti G, Brunelli C, Lakatta EG, Ferrucci L. *Role of bone mineral density in the inverse relationship between body size and aortic calcification: results from the BLSA*. Atherosclerosis. 2014;235:169-75
13. **Ameri P**, Canepa M, Milaneschi Y, Spallarossa P, Leoncini G, Giallauria F, Strait JB, Lakatta EG, Brunelli C, Murialdo G, Ferrucci L. *Relationship between vitamin D status and left ventricular geometry in a healthy population. Results from the Baltimore Longitudinal Study of Aging*. J Intern Med. 2013;273:253-62

14. **Ameri P**, Giusti A, Boschetti M, Murialdo G, Minuto F, Ferone D. *Interactions between vitamin D and IGF-I: from physiology to clinical practice*. Clin Endocrinol (Oxf). 2013;79:457-63
15. Capitanio S, Sambuceti G, Giusti M, Morbelli S, Murialdo G, Garibotto G, Vera L, **Ameri P**, Repetto B, Naseri M, Bossert I, Verardi MT, Massollo M, Marini C. *1,25-Dihydroxy vitamin D and coronary microvascular function*. Eur J Nucl Med Mol Imaging. 2013;40:280-9
16. Bruzzzone S\*, **Ameri P\***, Briatore L, Mannino E, Basile G, Andraghetti G, Grozio A, Magnone M, Guida L, Scarfi S, Salis A, Damonte G, Sturla L, Nencioni A, Fenoglio D, Fiory F, Miele C, Beguinot F, Ruvolo V, Bormioli M, Colombo G, Maggi D, Murialdo G, Cordera R, De Flora A, Zocchi E. *The plant hormone abscisic acid increases in human plasma after hyperglycemia and stimulates glucose consumption by adipocytes and myoblasts*. FASEB J. 2012;26:1251-60 (\* contributed equally)
17. **Ameri P**, Ronco D, Casu M, Denegri A, Bovio M, Menoni S, Ferone D, Murialdo. *High prevalence of vitamin D deficiency and its association with left ventricular dilation: An echocardiography study in elderly patients with chronic heart failure*. Nutr Metab Cardiovasc Dis. 2010;20:633-40

### SELECTED ABSTRACTS

1. **Ameri P**, Ghigliotti G, Secco GM, De Blasi G, Torre F, Bezante GP, Chiarella F, Brunelli C, Canepa M. *Causes and impact on survival of omission of ACE-inhibitors and angiotensin II receptor blockers in heart failure*. Heart Failure Congress of the European Society of Cardiology, May 21<sup>st</sup> – 24<sup>th</sup> 2016, Firenze, Italy
2. Altieri P, Bollini S, Barisione C, Lazzarini E, Canepa M, Tocchetti CG, Bezante GP, Spallarossa P, Brunelli C, **Ameri P**. *Testosterone antagonizes doxorubicin-induced senescence of cardiomyocytes*. European Society of Cardiology Congress 2015, August 29<sup>th</sup> - September 2<sup>nd</sup> 2015, London, UK
3. Lazzarini E, Altieri P, Spallarossa P, Canepa M, Varesio L, Bezante GP, Cancedda R, Brunelli C, Bollini S, **Ameri P**. *Human amniotic fluid stem cell secretome protects cardiomyocytes against doxorubicin toxicity*. European Society of Cardiology Congress 2015, August 29<sup>th</sup> - September 2<sup>nd</sup> 2015, London, UK
4. Fabbi P, Spallarossa P, Barisione C, Garibaldi S, Mura M, Altieri P, Ghigliotti G, Canepa M, Brunelli C, **Ameri P**. *Doxorubicin impairs the insulin-like growth factor-1 axis in H9c2 cells*. European Society of Cardiology Congress 2014, August 30<sup>th</sup> - September 3<sup>rd</sup> 2014, Barcelona, Spain
5. **Ameri P**, Fernandez-Garcia I, Martinez-Ruiz H, De Angelis C, Barcellos-Hoff MH, Kleinberg DL. *IGF-I inhibition by pasireotide reverses the mammary phenotype of a novel mouse model of Brca1 deficiency*. 94<sup>th</sup> meeting of the Endocrine Society, June 23<sup>rd</sup> - 26<sup>th</sup> 2012, Houston, Texas, USA
6. **Ameri P**, Bruzzzone S, Briatore L, Mannino E, Basile G, et al. *Evidence that abscisic acid participates in the response to hyperglycemia in humans*. 15<sup>th</sup> International Congress of Endocrinology - 14<sup>th</sup> European Congress of Endocrinology, May 4<sup>th</sup> - 5<sup>th</sup> 2012, Firenze, Italy

### OTHER PUBLICATIONS

1. Rizzo P, **Ameri P**. *What role does intracellular and extracellular signaling play in cardiac remodeling?* Dialogues in Cardiovascular Medicine, 2015, vol 20, issue No. 2: Remodeling what changed since the past 10 years
2. **Ameri P**, Denegri A, Casu M, Brugnolo A, Cerro PF, Patrone V, Pino E, Ferro AM, Rodriguez G, Murialdo G. *Alterations of autonomic modulation of heart rate variability in eating disorders*. International Journal of Medical and Biological Frontiers, 2009; 419-436, Nova Science Publishers.

## **FUNDING**

2015: Investigator-initiated grant from Fondazione San Salvatore (Lugano, Switzerland) for the research project "Role of Notch signaling and therapeutic potential of exosomes in cardiomyopathy induced by doxorubicin and trastuzumab cancer treatment" (role: co-investigator; funding: 120,000 Swiss franc)

2015: Investigator-initiated grant from Boehringer Ingelheim for the research project "Study of the effects of free or dabigatran-inhibited thrombin on human atrial fibroblasts: implications for atrial fibrillation-related myocardial remodeling" (role: principal investigator; funding: € 22,350)

2015: ISHR-ES/Servier Research Fellowship 2015 from the European Section of the International Society for Heart Research for the research project "Modulation of the Notch signaling pathway by ErbB2: role in the cardiotoxicity of ErbB2-targeted therapy" (role: principal investigator; funding: € 20,000)

2015: "Progetto Giovani Ricercatori 2013" grant from the Italian Ministry of Health for the research project "The Stem cell sEcretome for doxorubicin-induced Cardiomyopathy REgeneraTion (SECRET)" (role: co-investigator; funding: € 339,508)

2014: "Progetto di Ricerca d'Ateneo 2014" grant from the University of Genova for the study "IGF-1 in anthracycline cardiotoxicity: implications for treatment of breast cancer" (role: principal investigator; funding: € 9071,11).

## **AWARDS**

<i>August 2015</i>	Best Poster Diploma for the abstract "Testosterone antagonizes doxorubicin-induced senescence of cardiomyocytes" and ESC Council on Basic Cardiovascular Science Travel Grant for the abstract "Human amniotic fluid stem cell secretome protects cardiomyocytes against doxorubicin toxicity" presented at the European Society of Cardiology Congress 2015, August 29 <sup>th</sup> - September 2 <sup>nd</sup> 2015, London, UK
<i>August 2014</i>	ESC Council on Basic Cardiovascular Science Travel Grant for the abstract "Doxorubicin impairs the insulin-like growth factor-1 axis in H9c2 cells" presented at the European Society of Cardiology Congress 2014
<i>June 2012</i>	Outstanding Abstract Award at the 94 <sup>th</sup> meeting of the Endocrine Society
<i>May 2012</i>	Basic Science Meeting Grant for the 15 <sup>th</sup> International Congress of Endocrinology - 14 <sup>th</sup> European Congress of Endocrinology.

## **MEMBERSHIP OF SCIENTIFIC SOCIETIES**

European Society of Cardiology; International Society for Heart Research; Italian Society of Cardiology; Italian Society of Cardiovascular Research; Italian Society of Internal Medicine.

As of May 2016.

