

CURRICULUM VITAE

Name: José Manuel Rodríguez

Present Position:

* Head of Instructors of Pathology
Department of Pathology, Faculty of Medicine, University of Buenos Aires, Argentina.

* Researcher Staff
Cardiovascular Pathophysiology Institute, Faculty of Medicine, University of Buenos Aires, Argentina (www.fmed.uba.ar/infica).

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1. Education

Graduate: Physician, 1998. University of Buenos Aires, Faculty of Medicine.

2. University Appointments

* Department: Pathology
University: University of Buenos Aires, Faculty of Medicine
Title: Head of Instructors of Pathology (2001 - Present)

3. Major Visiting Appointments

- * July - December 2001: Visiting Researcher, Max Planck Institute, Bad Nauheim, Germany.
- * June 2002- January 2004: Visiting Researcher, Max Planck Institute, Bad Nauheim, Germany.

4. Awards and Honors:

- * 1997: "Argentine Biochemistry Association Award".
Title: "Variation of biochemical markers and cardiac function in the pharmacological protection and by ischemic preconditioning of stunned myocardium".
Authors: Morales C, Rodríguez M, Hita A, Bagnarelli A, Gelpi RJ
- * 1999: Best Work in Basic Sciences award. XI Argentine Scientific Congress of Medical Students, Faculty of Medicine, University of Cuyo. Mendoza, Argentina.
Title: "Histopathological features of the remote zones in the experimental myocardial infarction in rabbits".
Authors: Mangas F, Vicens J, D'Annunzio V, González G, Rodríguez M. Consultant: Morales C

5. Memberships in professional Societies:

- * 1996 – Present: International Society for Heart Research, Member.

- * 1997 – Present: Argentine Society of Cardiology, Member.
- * 1999 – 2002: Basic Research Council, Argentine Society of Cardiology, Member.
- * 2004 – Present: Basic Research Committee, Argentine Federation of Cardiology, Member.
- * 2004 – Present: International Academy of Cardiovascular Sciences, Member.
- * 2008 – 2009: Basic Research Council, Argentine Society of Cardiology, Secretary.
- * 2008 – Present: Argentine Society of Clinical Investigation, Member.
- * 2009 – Present: Basic Research Council, Argentine Society of Cardiology, Vicepresident.

6. Reviewer of manuscripts:

- * 1999 – Present: Revista Argentina de Cardiología (official publication of the Argentine Society of Cardiology).

7. Organizing roles in Scientific Meetings:

- * 2nd Vicepresident of the Scientific committee of the XXIV National Congress of Cardiology. Buenos Aires, Argentina; May 25-29, 2005.

8. Articles (Peer Reviewed Publications):

- * Gelpi RJ, Morales C, Rodríguez M, Bagnarelli A, Hita A, Scapín O. Effect of Enalaprilat on postischemic systolic and diastolic dysfunction (stunned myocardium) on the isolated rabbit heart. *Medicina (B Aires)*, 58(1):22-28, 1998.
- * Morales C, Rodríguez M, Scapín O, Gelpi RJ. Comparison of the effects of ACE inhibition with those of Angiotensin II receptor antagonism on systolic and diastolic myocardial stunning in isolated rabbit heart. *Mol Cell Biochem*, 186(1&2):117-121, september 1998.
- * Marini J, Donato M, Rodríguez M, Gelpi RJ. Effect of isoflurane on inotropic response to isoproterenol in isolated rabbit heart. *Rev Arg Anest*, 59(3):147-152, 2001
- * Morales C, Rodríguez M, González GE, Matoso M, Bertolasi CA, Gelpi RJ. Time course of myocardial infarction in the rabbit. *Medicina (B Aires)*, 61;830-836, 2001.
- * Rodríguez M, González GE, Morales C, Bertolasi C, Gelpi RJ. Exercise and ventricular remodeling post acute myocardial infarction in the rabbit. *Rev Arg Cardiol*, 69:536-539, 2001.
- * Rodríguez M, González GE, Morales C, Bertolasi C, Gelpi RJ. Effect of exercise on ventricular remodeling after experimental myocardial infarction in rabbits. *Lat Am Arch Cardiovasc Sci*, 2(2):75-79, 2001
- * Morales C, González GE, Rodríguez M, Bertolasi CA, Gelpi RJ. Histopathologic time course of myocardial infarct in rabbit hearts. *Cardiovasc Pathol*, 11(6):339-345, 2002.
- * González GE, Mangas F, Palleiro J, Rodríguez M, Depetris Chauvin A, Gelpi RJ, Morales C. Effects of the early administration of losartan on ventricular remodeling in rabbits with experimental myocardial infarction. *Medicina (B Aires)*, 64:25-29, 2004.

* Cai WJ, Kocsis E, Wu X, Rodriguez M, Luo X, Schaper W, Schaper J. Remodeling of the vascular tunica media is essential for development of collateral vessels in the canine heart. *Mol Cell Biochem*, 264(1-2):201-10, 2004.

* González GE, Palleiro J, Monroy S, Pérez S, Rodríguez M, Masucci A, Gelpi RJ, Morales C. Effects of the early administration of losartan on the functional and morphological aspects of postmyocardial infarction ventricular remodeling in rabbits. *Cardiovasc Pathol*, 14(2):88-95, 2005.

* Rodriguez M, Cai WJ, Kostin S, Lucchesi BR, Schaper J. Ischemia depletes dystrophin and inhibits protein synthesis in the canine heart: Mechanisms of myocardial ischemic injury. *J Mol Cell Cardiol*, 38(5):723-33, 2005.

* González GE, Rodríguez M, Donato M, Palleiro J, D'Annunzio V, Morales C, Gelpi RJ. Effects of low calcium reperfusion and adenosine on diastolic behavior during the transitory systolic overshoot of the stunned myocardium in the rabbit. *Can J Physiol Pharmacol*, 84(2):265-72, 2006.

* Rodriguez M. Editorial: A Small Early Imbalance, a Great Late Disorder: Intrauterine Nutritional Imbalance and Adult Hypertension. *Rev Arg Cardiol*, 76:427-8, 2008.

* Buchholz B, Siachoque N, Rodríguez M, Ivalde FC, Alvarez Yuseff MF, Gelpi RJ. Preischemic efferent vagal stimulation increases the size of myocardial infarction in rabbits. *Rev Arg Cardiol*. 2011. (In press).

9. Reviews:

* Rodriguez M, Lucchesi BR, Schaper J. Apoptosis in myocardial infarction. *Ann Med*, 34(6):470-479, 2002.

* Rodriguez M, Schaper J. Apoptosis: Measurement and technical issues. *J Mol Cell Cardiol*, 38(1):15-20, 2005.

10. Book chapters:

* Rodríguez M, Morales C, Donato M, González G, Scapin O, Gelpi RJ. Collagen distribution and systolic stress in end stage failure in idiopathic dilated and ischemic cardiomyopathy in humans. Proceedings "XIII World Congress of Cardiology", Brasil. Ed.: Monduzzi Editore, International Proceedings Division, 137-142, 1998.

* Lorenzo Carrión C, Rodríguez JM, Donato M. Cardiac catheterism. In: Rigalli A, Di Loreto V. *Experimental Surgical Models in the Laboratory Rat*. CRC Press. Taylor and Francis Group. Boca Raton, FL, USA, 2009.

* Cardiac remodeling following myocardial infarction. Rodriguez M, Liniado G, Bertolasi CA. In: *Fisiopatología Cardiovascular: Bases racionales para la terapéutica*. Editorial Corpus, Argentina. ISBN 950-9030-02-3.

11. Abstracts (Last 5 years):

* Palleiro J, González GE, Monroy S, Pérez S, Rodríguez M, Gelpi RJ, Morales C. Effects of losartan administered at different time-points during post-infarction ventricular remodeling in rabbits. Argentine Society of Cardiology, XXXII Argentine Congress of Cardiology. Buenos Aires, Argentina; October 7-10, 2005. *Rev Arg Cardiol*, 73 (Supl. 2):112(12), 2005.

* Pérez S, Monroy S, Palleiro J, Bernasconi A, González G, Rodríguez M, Gelpi RJ, Morales C. Remodeling of myocytes and extracellular matrix in rabbits with experimental myocardial infarction. Argentine Society of Cardiology, XXXII Argentine Congress of Cardiology. Buenos Aires, Argentina; October 7-10, 2005. *Rev Arg Cardiol*, 73 (Supl. 2):136(108), 2005.

* Rodríguez M, González GE, Palleiro J, Pérez S, Monroy S, Bertolasi C, Gelpi RJ, Morales C. Effects of strong exercise initiated early during post-myocardial infarction ventricular remodeling. Argentine Society of Clinical Investigation, 50 Annual Scientific Meeting. Mar del Plata, Argentina; November 29-December 2, 2005. *Medicina (B Aires)*, 65 (Supl. 2):100 (214), 2005.

* Palleiro J, González GE, Rodríguez M, Seropian I, Morales C, Gelpi RJ. Comparative effects of enalapril and losartan treatment on ventricular function in an experimental model of myocardial infarction in rabbits. Argentine Society of Cardiology, XXXIII Argentine Congress of Cardiology. Buenos Aires, Argentina; October 6-9, 2006. *Rev Arg Cardiol*, 74 (Supl. 3):175 (272), 2006.

* Buchholz B, Rodríguez JM, Ivalde FC, Donato M, Gelpi RJ. Efferent vagal stimulation increases myocardial infarct size in rabbits. XVII Congress of the International Society of Heart Research, Latin American Section. Buenos Aires. Argentina. May 23-25, 2009.

* Buchholz B, Rodriguez M, Ivalde F, Donato M, Gelpi RJ. Efferent vagal stimulation increased myocardial infarct size in rabbits through the activation of muscarinic receptors. Argentine Society of Clinical Investigation, LIV Annual Meeting. Mar del Plata, Argentina. November 18-21, 2009. *Medicina (B Aires)*, 69 (Supl. 1):150, 2009.

* Buchholz B, Rodríguez JM, Ivalde, FC, Siachoque NA, Donato M, Gelpi RJ. Preischemic efferent vagal stimulation increases infarct size in rabbit hearts by activation of muscarinic receptors. European Society of Cardiology Congress 2010. Estocolmo, Suecia, August 29-September 1, 2010. *Eur Heart J*, 31(Abstract Supplement):88-89, 2010.

* Buchholz B, Rodriguez M, Ivalde F, Siachoque N, Alvarez Yuseff F, Donato M, Gelpi RJ. Preischemic efferent vagal stimulation increased myocardial infarct size through the activation of muscarinic receptors in rabbits. Argentine Society of Cardiology, XXXVI Argentine Congress of Cardiology. Buenos Aires, Argentina. October 7-9, 2010. *Rev Arg Cardiol*, 78 (Supl. 2):111, 2010.

12. Invited Speaker at International or National Meetings:

* Symposium: Basic Sciences Update: Apoptosis and Ischemia-Reperfusion. XXIV National Congress of Cardiology. Buenos Aires, Argentina; May 25-27, 2005.

* Joint Symposium: Argentine Society of Cardiology - Brazilian Society of Cardiology: Mechanisms of ischemic injury: Role of membrane-associated proteins and protein synthesis. 60th Congress of the Brazilian Society of Cardiology. Porto Alegre, Brazil; September 18-21, 2005.

* Featured International Session: Recent advances in heart failure therapeutics: Recent advances in apoptosis and ischemic heart disease. 60th Congress of the Brazilian Society of Cardiology. Porto Alegre, Brazil; September 18-21, 2005.

* Round Table: Genetics and molecular mechanisms of ischemic heart disease: Mechanisms of ischemic injury: Role of membrane-associated proteins and protein synthesis. XXXII Argentine Congress of Cardiology. Buenos Aires, Argentina; October 7-10, 2005.

- * Round Table: Early and late post-myocardial infarction ventricular remodeling: Exercise: harmful or beneficial? XXXII Argentine Congress of Cardiology. Buenos Aires, Argentina; October 7-10, 2005.
- * Round Table: Physiological and pathological remodeling: Exercise and post-infarction ventricular remodeling. XXV National Congress of Cardiology. Rosario, Argentina; April 29-May 1, 2006.
- * Round Table: Basic Sciences + Clinical cardiology: Significance of necrosis and apoptosis in the ischemic injury. XXXIII Argentine Congress of Cardiology. Buenos Aires, Argentina; October 6-9, 2006.
- * Round Table: Ischemia and cardiac metabolism: Effects of early exercise on post-myocardial infarction ventricular remodeling. 61st Congress of the Brazilian Society of Cardiology. Recife, Brazil; October 19-25, 2006.
- * Round Table: Images: Metabolism and cell death. XXXIV Argentine Congress of Cardiology. Buenos Aires, Argentina; August 16-19, 2007.
- * Round Table: Basic Sciences: Mechanisms of ischemic injury: Role of the membrane-associated proteins and the protein synthesis. XXXIV Argentine Congress of Cardiology. Buenos Aires, Argentina; August 16-19, 2007.
- * Round Table: Basic Research Award: Invited commentator. Meeting of the Research Councils, Argentine Society of Cardiology. Buenos Aires, Argentina; October 2-4, 2008.
- * Round Table: Assessing the risk: Exercise and postMI remodeling. XXVII National Congress of Cardiology. Buenos Aires, Argentina; May 23-25, 2009.