

JULIO CESAR BATISTA FERREIRA

Personal data

Nationality: Brazilian

Place and date of birth: Sao Paulo, SP, Brazil, November 04, 1980

e-mail: julocf@gmail.com

Education

- 2010- Postdoctoral in Translational Medicine. Chemical & Systems Biology, Stanford University School of Medicine.
- 2007-2009 Ph.D. in Human Biodynamic. School of Physical Education and Sports, University of São Paulo, São Paulo, Brazil.
- 2007-2008 Ph.D. (visiting scholar). Chemical & Systems Biology, Stanford University School of Medicine.
- 2004-2006 M.S. in Human Biodynamic. School of Physical Education and Sports, University of São Paulo, São Paulo, Brazil.
- 2000-2003 B.S. in Sports Science. School of Physical Education and Sports, University of São Paulo, São Paulo, Brazil.

Fellowships

- 2007- 2009 Ph.D. fellowship from The State of São Paulo Research Foundation, Brazil.
- 2007- 2008 Ph.D. fellowship from CAPES Foundation, Brazil.
- 2004- 2006 M.S. fellowship from The State of São Paulo Research Foundation, Brazil.
- 2002- 2003 B.S fellowship from The National Council for Scientific and Technological Development, Brazil.

Awards and Honors

- 2010 Winner of the Oral Presentation Competition at the XXXI SOCESP Congress, The Sao Paulo Society of Cardiology (SOCESP), Brazil.
- 2010 Winner of the Poster Competition at the XXV Annual Meeting of the FeSBE, The Brazilian Society for Experimental Biology. Awarded by The Brazilian Society of Laboratory Animal Science (SBCAL).
- 2009 Winner of the International Poster Competition at the 31st Annual Meeting of the ISHR North American Section, The International Society for Heart Research, USA.
- 2009 Honorable mention at the XXIV Annual Meeting of the FeSBE, The Brazilian Society for Experimental Biology.
- 2008 Young Investigator Award, Cardiovascular Institute - Stanford University School of Medicine, USA.
- 2007 Honorable mention at the XXII Annual Meeting of the FeSBE, The Brazilian Society for Experimental Biology.
- 2006 Young Investigator Bursary, The International Society for Heart Research.
- 2005 Honorable mention at the XX Annual Meeting of the FeSBE, The Brazilian Society for Experimental Biology.

Publications

INTERNATIONAL JOURNALS

1 - **Ferreira JCB**, Palaniyandi SS, Brum PC, Mochly-Rosen D. PKCbetaII inhibition attenuates myocardial infarction induced heart failure and is associated with a reduction of fibrosis and pro-inflammatory responses. *Journal of Cellular and Molecular Medicine*, 2010 (accepted).

2 - **Ferreira JCB**, Brum PC, Mochly-Rosen D. BetaIIPKC and epsilonPKC isozymes as potential pharmacological targets in cardiac hypertrophy and heart failure. *Journal of Molecular and Cellular Cardiology*, 2010. (accepted).

- 3 - Gualano B, Painei VS, Roschel H, Artioli GGA, Neto Jr MT, Lima FR, Rossi ME, Cunha MR, Otaduy MCG, Leite CC, **Ferreira JCB**, Pereira RM, Brum PC, Bonfá E, Lancha AH. Creatine in type 2 diabetes: a randomized, double-blind, placebo-controlled trial. *Medicine and Science in Sports and Exercise*, 2010. (accepted).
- 4 - Palaniyandi SS, Qi X, Yogalingam G, **Ferreira JCB**, Mochly-Rosen D. Regulation of mitochondrial processes: a target for heart failure. *Drug Discovery Today. Disease Mechanisms*, 2010 (accepted).
- 5 - **Ferreira JCB**, Bacurau AV, Bueno CR, Cunha TC, Tanaka LY, Jardim MA, Ramires PR, Brum PC. Aerobic exercise training improves Ca²⁺ handling and redox status of skeletal muscle in mice. *Experimental Biology and Medicine*, v. 235, p. 497-505, 2010.
- 6 - Paulino EC, **Ferreira JCB**, Bechara LR, Tsutsui JM, Mathias W, LIMA FB, Casarini DE, Cicogna AC, Brum PC, Negrao CE. Exercise Training and Caloric Restriction Prevent Reduction in Cardiac Ca²⁺-Handling Protein Profile in Obese Rats. *Hypertension*, v. 56, p. 629-635, 2010.
- 7 - Bueno CR, **Ferreira JCB**, Pereira MG, Bacurau AVN, Brum PC. Aerobic exercise training improves skeletal muscle function and Ca²⁺ handling-related proteins expression in sympathetic hyperactivity-induced heart failure. *Journal of Applied Physiology*, v. 109, p. 702-709, 2010.
- 8 - Churchill EN, **Ferreira JC**, Brum PC, Szweda LI, Mochly-Rosen D. Ischaemic preconditioning improves proteasomal activity and increases the degradation of PKC during reperfusion. *Cardiovascular Research*, v. 85, p. 385-394, 2009.
- 9- Pereira MG, **Ferreira JCB**, Bueno CR, Mattos KC, Rosa KT, Irigoyen MC, Oliveira EM, Krieger JE, Brum PC. Exercise training reduces cardiac angiotensin II levels and prevents cardiac dysfunction in a genetic model of sympathetic hyperactivity-induced heart failure in mice. *European Journal of Applied Physiology*, v. 105, p. 843-850, 2009.
- 10 - Bacurau AVN, Jardim MA, **Ferreira JCB**, Bechara LRG, Bueno Jr CR, Alba-Loureiro TC, Negrao CE, Casarini DE, Curi R, Ramires PR, Moriscot AS, Brum PC. Sympathetic hyperactivity differentially affects skeletal muscle mass in developing heart failure: role of exercise training. *Journal of Applied Physiology*, v. 106, p. 1631-1640, 2009.
- 11 - Oliveira RSF, **Ferreira JCB**, Gomes ERM, Paixao NP, Rolim NPL, Medeiros A, Guatimosim S, Brum PC. Cardiac anti-remodelling effect of aerobic training is associated with a reduction in the calcineurin/NFAT signalling pathway in heart failure mice. *Journal of Physiology* (London), v. 587, p. 3899-3910, 2009.
- 12 - Bartholomeu J, Vanzelli A, Rolim N, **Ferreira JCB**, Bechara L, Tanaka L, Rosa K, Alves M, Medeiros A, Mattos K, Coelho MA, Irigoyen MC, Krieger EM, Krieger JE, Negrao CE, Ramires PR, Guatimosim S, Brum PC. Intracellular mechanisms of specific beta-adrenoceptor antagonists involved in improved cardiac function and survival in a genetic model of heart failure. *Journal of Molecular and Cellular Cardiology*, v. 45, p. 240-249, 2008.
- 13 - Palaniyandi SS, Sun L, **Ferreira JCB**, Mochly-Rosen D. Protein kinase C in heart failure: a therapeutic target?. *Cardiovascular Research*, v. 82, p. 229-239, 2008.
- 14 - **Ferreira JCB**, Rolim NPL, Bartholomeu JB, Gobatto CA, Kokubun E, Brum PC. Maximal lactate steady state in running mice: effect of exercise training. *Clinical and Experimental Pharmacology & Physiology*, v. 34, p. 760-765, 2007.
- 15 - **Ferreira JCB**, Bacurau AV, Evangelista FS, Coelho MA, Oliveira EM, Casarini DE, Krieger JE, Brum PC. The role of local and systemic renin angiotensin system activation in a genetic model of sympathetic hyperactivity-induced heart failure in mice. *American Journal of Physiology. Regulatory, Integrative and Comparative Physiology*, v. 294, p. R26-R32, 2007.

BRAZILIAN JOURNALS

- 1 - Moreira JBN, Bechara LRG, Souza LGO, Coelho MA, Ramires PR, **Ferreira JCB**, Brum PC. Efeito do treinamento físico aeróbico intervalado na insuficiência cardíaca. *Revista da Sociedade de Cardiologia do Estado de São Paulo*, v. 20, p. 32-38, 2010.

- 2 - **Ferreira JCB**, Paulino EC, Negrao CE, Brum PC. Insuficiência cardíaca e exercício físico. *Hipertensão* (São Paulo), v. 12, p. 100, 2009.
- 3 - **Ferreira JCB**, Campos JC, Brum PC. Treinamento físico aeróbio e remodelamento cardíaco: bases funcionais e moleculares. *Revista da Sociedade de Cardiologia do Estado de São Paulo*, v. 19, p. 35-42, 2009.
- 4 - Castro DR, **Ferreira JCB**, Brum PC, Duarte JA. Alterações ultra-estruturais musculares cardíacas induzidas pela idade em modelo animal. *Revista Portuguesa de Ciências do Desporto*, v9, p.141, 2009.
- 5 - Gualano B, Benatti FB, **Ferreira JCB**, Franchini E, Brum PC, Lancha AH. Efeito da suplementação de creatina no exercício físico intermitente de alta intensidade: divergências e recomendações metodológicas. *Revista Brasileira de Cineantropometria & Desempenho Humano*, v. 10, p. 189-196, 2008.
- 6 - **Ferreira JCB**, Evangelista FS, Brum PC. Influência dos polimorfismos do sistema renina-angiotensina no desempenho esportivo. *Revista da Sociedade de Cardiologia do Estado de São Paulo*, São Paulo, v. 15, p. 01-09, 2005.

Conferences

- 2009 International Society for Heart Research – North American Section, Baltimore. Poster: “Protein quality control disruption by PKCbetaII leading to heart failure”.
- 2009 Stanford Cardiovascular Institute Retreat. Talk: “Sustained PKCbetaII inhibition restores both proteasome activity and protein quality control in two different heart failure models”.
- 2008 American Heart Association - Scientific Session, New Orleans. Talk: “Sustained pharmacological betaII/PC inhibition is cardioprotective in late-stage hypertrophy and end-stage heart failure in two rat models”.
- 2007 European Society of Cardiology World Congress, Viena. Poster: “Angiotensin receptor-blockade improves the net balance of cardiac and skeletal muscle Ca²⁺ handling protein expression and restores cardiac function in heart failure”.
- 2006 Experimental Biology Congress, San Francisco. Poster: “Systemic and cardiac neurohumoral control during early and late stage heart failure in alfa2a/c adrenoceptor KO mice”.