
BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors.
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Antonio Carlos Campos de Carvalho	POSITION TITLE Professor		
eRA COMMONS USER NAME (credential, e.g., agency login) acarvalh			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Federal University of Rio de Janeiro	MD	1976	Medicine
Federal University of Rio de Janeiro	MsC	1979	Biophysics
Federal University of Rio de Janeiro	PhD	1983	Physiology

A. Personal Statement

I am a physiologist, with special interest in cardiovascular science. For the last 12 years I have been focusing my research interest on stem cells and cell therapies for cardiac diseases. In this field I have been conducting basic, translational and clinical research, which puts me in a privileged position to critically evaluate the need of research from bench to bedside and from the bedside back to bench. In Brazil I Coordinate the Brazilian Cell Therapy Network, an initiative of the Ministry of Health to speed translational research in this important area of the health sciences. I also coordinate nationally a multicenter study designed to test the efficacy of bone marrow-derived mononuclear cell therapies in cardiopathies, including Chagasic cardiomyopathy. My role in this application will be to oversee the isolation and purification of the different cell types to be used in the study, the physiological evaluations of the animals subject to cell therapy and the studies related to cell tracking and engraftment using different methodologies. I will also participate directly in isolation and purification of the stem cells.

B. Positions and Honors

Positions and Employment

1977-1979 Instructor, Department of Physiology, State University of Rio de Janeiro, Brazil
1980-1081 Research Associate, Department of Physiology, Duke University
1981-1982 Research Associate, Department of Neuroscience, Albert Einstein College of Medicine
Bronx, NY
1979-1984 Assistant Professor, Department of Physiology, State University of Rio de Janeiro, Brazil
1986-1996 Visiting Associate Professor, Department of Neuroscience, Albert Einstein College of Medicine
Bronx, NY
1984-1993 Associate Professor, Department of Physiology, State University of Rio de Janeiro,
Brazil
1985-1995 Associate Professor, Institute of Biophysics, Federal University of Rio de Janeiro, Brazil
1996-1998 President, Brazilian Biophysical Society
1995-1997 Director of Graduate Programs, Institute of Biophysics, Federal University of Rio de Janeiro
1996-present Professor, Institute of Biophysics, Federal University of Rio de Janeiro, Brazil
1996- 2003 Visiting Professor, Department of Neuroscience, Albert Einstein College of Medicine,
Bronx, NY
2003-present Professor, Part time, Department of Neuroscience, Albert Einstein College of Medicine,
Bronx, NY
1998-2001 Director, Institute of Biophysics, Federal University of Rio de Janeiro, Brazil
2001-2003 President, Brazilian Federation of Experimental Biology Societies
2004–present Research Director – National Cardiology Institute - (INC)

Review Groups, Executive Committees, Editorial Boards

2005	Member of the Council of the International Union of Physiological Sciences
2007	Editorial Board of the Argentinian Electrophysiology Journal
2008	Editorial Board of the World Journal of Cardiology
2009	Review Group of the National Research Council (CNPq-Brazil)
2010	Secretary for Latin America of the Third World Academy of Sciences (TWAS-ROLAC)

Honors and Awards

1981-1982	Fogarty Fellow from the National Institutes of Health
1984	Research Fellow of the National Research Council in Brazil (CNPq)
1993-1999	Associate Member, Brazilian Academy of Sciences
1999	Member, Brazilian Academy of Sciences
2003	Member of the Academy of Science of the Developing Countries (TWAS)
2007	Best Abstract in Basic Science presented at the 62 nd Congress of the Brazilian Cardiology Society
2007	Best Poster presented at the Intern. Symp. on Adv. Therapies and Stem Cells–Rio de Janeiro

C. Publications

1.

Azevedo-Pereira, RL ; Morrot A ; Machado G S ; Paredes, Bruno Dias ; RODRIGUES, D. C. ; Campos de Carvalho, Antonio C ; Mendez-Otero, R. . Expression of ganglioside 9-O acetyl GD3 in undifferentiated embryonic stem cells. Cell Biology International (Print), v. 39, p. 121-127, 2015.

2.

Narahashi L ; Campos de Carvalho Antonio C. ; ARAUJO, H. P. . Regulamentação das terapias celulares no Brasil. Vigilância Sanitária em Debate: Sociedade, Ciência & Tecnologia, v. 1, p. 1-6, 2015.

3.

Vairo, Leandro ; Medei, Emiliano ; SANTOS, DANÚBIA S. DOS ; Rodrigues, Deivid C. ; Goldenberg, Regina C.S. ; CARVALHO, ANTONIO C. CAMPOS DE . Functional properties of a Brazilian derived mouse embryonic stem cell line. Anais da Academia Brasileira de Ciências (Impresso), v. 00, p. 00-00, 2015.

Citações:1|1

4.

Andrade, B. M. ; Baldanza M ; Karla C. Ribeiro ; Porto A ; Peçanha, R. ; Fortes, F. S. de A. ; Sudo, G. Z. ; Campos de Carvalho, Antonio C ; Goldenberg, Regina C. ; Werneck-de-Castro, Joao P. S. . Bone Marrow Mesenchymal Cells Improve Muscle Function in a Skeletal Muscle Re-Injury Model. Plos One, v. 10, p. e0127561, 2015.

5.

SUHETT, G. ; SOUZA, S. A. L. ; Carvalho, A. B. ; Rachid R P ; Cunha e Silva N L ; Carvalho, Antonio Carlos C de ; FONSECA, L. M. B. ; GOLDENBERG, R. C. S. ; Gutfilen, B. . 99m-Technetium binding site in bone marrow mononuclear cells. Stem cell research & therapy, v. 6, p. 1-10, 2015.

6.

Mello, Débora B. ; RAMOS, I. P. ; Paccola Mesquita F C ; Brasil G V ; ROCHA, N. N. ; Takyia, Cristina Maeda ; Lima APCA ; de Carvalho AC ; GOLDENBERG, R. C. S. ; Carvalho, Adriana Bastos . Adipose Tissue-Derived Mesenchymal Stromal Cells Protect Mice Infected with Trypanosoma cruzi from Cardiac Damage through Modulation of Anti-parasite Immunity. PLoS Neglected Tropical Diseases (Online), v. 9, p. e0003945, 2015.

7.

de Carvalho, Antonio C. Campos ; CARVALHO, A.B. . Stem Cell-Based Therapies in Chagasic Cardiomyopathy. BIOMED RES INT, v. 2015, p. 1-5, 2015.

Citações:1

8.

Paccola Mesquita F C ; Kasai-Brunswick, Tais H. ; Gubert F ; Borgonovo T ; Santos D S ; Araújo D S ; CAMPOSDECARVALHO, A ; CARVALHO, A.B. . Generation of human iPS cell line ihFib3.2 from dermal fibroblasts. Stem Cell Research (Amsterdam. Print), v. 16, p. 10, 2015.

9.

Monnerat-Cahli G ; GUERRA, B. ; MANSO, G. ; FERREIRA, A. ; SILVA, D. G. ; COUTINHO, D. C. ; CARNEIRO-RAMOS, M. S. ; TRENTIN-SONODA, M. ; RODRIGUES, D. C. ; da Silva, M. C. C. ; Sudo, G. Z. ; PEREIRA, S. L. ; GOLDENBERG, R. C. S. ; NASCIMENTO, J. H. M. ; CAMPOS DE CARVALHO, ANTONIO C ; MEDEI, E. . . Bone marrow mesenchymal stromal cells rescue cardiac function in streptozotocin-induced diabetic rats. International Journal of Cardiology (Print), v. 171, p. 199-208, 2014.

Citações:1|2

10.

ASENSI K D ; FORTUNATO, R. S. ; PACHECO, T. S. ; REZENDE, D. F. ; Santos D S ; RODRIGUES, D. C. ; Kasai-Brunswick, Tais H. ; CAMPOS DE CARVALHO, ANTONIO C ; CARVALHO, D. P. ; CARVALHO, A.B. ; GOLDENBERG, R. C. S. . Reprogramming to a pluripotent state modifies mesenchymal stem cell resistance to oxidative stress. Journal of Cellular and Molecular Medicine (Print), v. 18, p. 1-8, 2014.

Citações:2|2

11.

Daliry A ; PEREIRA, I. R. ; PEREIRA-JUNIOR, P. P. ; RAMOS, I. P. ; VILAR-PEREIRA, G. ; SILVARES, R. R. ; LANNES-VIEIRA, J. ; Campos de Carvalho Antonio C. . Levels of circulating anti-muscarinic and anti-adrenergic antibodies and their effect on cardiac arrhythmias and dysautonomia in murine models of Chagas disease. Parasitology (London. Print), v. 1, p. 1-10, 2014.

12.

SANTOS, D. S. ; OLIVEIRA, V. C. C. ; ASENSI, K.D. ; Vairo, Leandro ; CARVALHO, A.B. ; CAMPOS DE CARVALHO, ANTONIO C ; GOLDENBERG, R.C.S. . Human Menstrual Blood Derived Mesenchymal Cells As New Human Feederlayer System For Human Embryonic Stem Cells. Cell Medicine: Part B, p. 10.3727/2155179, 2014.

13.

Passipieri, Juliana A ; Kasai-Brunswick, Taís H. ; SUHETT, G. ; Martins A B ; Brasil G V ; CAMPOS, D. B. ; ROCHA, N. N. ; RAMOS, I. P. ; Mello DB ; Rodrigues, Deivid C. ; Christie B B ; SILVA-MENDES, B. J. ; BALDUINO, A. ; SA, R. M. ; LOPES, L. M. ; GOLDENBERG, R. C. S. ; Campos de Carvalho Antonio C. ; Carvalho, A. B. . Improvement of cardiac function by placenta-derived mesenchymal stem cells does not require permanent engraftment and is independent of the insulin signaling pathway. Stem cell research & therapy, v. 5, p. 102, 2014.

Citações:1|2

14.

Jasmin, . ; JELICKS, L. A. ; TANOWITZ, H. ; Mendez-Otero, R. ; Campos de Carvalho Antonio C., CAMPOS DE CARVALHO A. C. ; Spray, David C. . Molecular imaging, biodistribution and efficacy of mesenchymal bone marrow cell therapy in a mouse model of Chagas disease. Microbes and Infection, v. 16, p. 923-935, 2014.

Citações:2

15.

Daliry A ; Caldas I S ; Diniz L F ; Torres R M ; Talvani A ; Bahia M T ; CARVALHO, A. C. C. . Anti-adrenergic and muscarinic receptor autoantibodies in a canine model of Chagas disease and their modulation by benzimidazole. International Journal of Cardiology (Print), p. 10.1016/j.ijcar, 2013.

Citações:5|5

16.
MARQUES-NETO, SILVIO RODRIGUES ; FERRAZ, EMANUELLE BAPTISTA ; RODRIGUES, DEIVID CARVALHO ; NJAINE, BRIAN ; Rondinelli, Edson ; CAMPOS DE CARVALHO, ANTÔNIO CARLOS ; NASCIMENTO, JOSE HAMILTON MATHEUS . AT1 and Aldosterone Receptors Blockade Prevents the Chronic Effect of Nandrolone on the Exercise-Induced Cardioprotection in Perfused rat Heart Subjected to Ischemia and Reperfusion. *Cardiovascular Drugs and Therapy*, v. 001, p. 10.1007/s10557-, 2013.
Citações:2|3
17.
Oliveira, Patricia Fidelis ; Werneck-de-Castro, Joao P. S. ; Pinho-Ribeiro, Vanessa ; Shalom BCM ; Nascimento, J. S. ; Costa-e-Sousa, Ricardo H. ; da Cruz, I. C. ; Rangel R R ; Goldenberg, Regina C. dos Santos ; CAMPOS DE CARVALHO A. C. . Soluble factors from multipotent mesenchymal stromal cells have antinecrotic effect on cardiomyocytes in vitro and improve cardiac function in infarcted rat hearts. *Cell Transplantation*, v. 21, p. 1011-1021, 2012.
Citações:6|9
18.
RODRIGUES, D. C. ; ASENSI K D ; Vairo, Leandro ; Azevedo-Pereira, Ricardo Luiz ; Silva R ; RONDINELLI, E. ; GOLDENBERG, R. C. S. ; CAMPOS DE CARVALHO A. C. ; Urmenyi T P . HUMAN MENSTRUAL BLOOD-DERIVED MESENCHYMAL CELLS AS A CELL SOURCE FOR RAPID AND EFFICIENT NUCLEAR REPROGRAMMING. *Cell Transplantation*, v. 21, p. 2215-2224, 2012.
Citações:1|11
19.
Peçanha, Ramon ; Bagno, Luiza de Lima e Silva ; Baldanza, Marcelo R. ; Ferreira A.B.R. ; Moraes M.O. ; Sudo, G. Z. ; Kasai-Brunswick, Tais H. ; Campos de Carvalho, Antonio Carlos ; Goldenberg, Regina C. ; Werneck-de-Castro, Joao P. S. . Adipose-Derived Stem-Cell Treatment of Skeletal Muscle Injury. *Journal of Bone and Joint Surgery. American Volume (Print ed.)*, v. 94, p. 609-617, 2012.
Citações:13|16
20.
Dias da Silva, V. J. ; Gnechchi Ruscone, T. ; Bellina, V. ; Oliveira, M. ; Maciel, L. ; CAMPOS DE CARVALHO A. C. ; Salgado, H. C. ; Bergamaschi, C. M. ; Tobaldini, E. ; Porta, A. ; Montano, N. . Acute adenosine increases cardiac vagal and reduces sympathetic efferent nerve activities in rats. *Experimental Physiology (Print)*, p. online, 2012.
Citações:2|2
21.
Machado, Fabiana S. ; Jelicks, Linda A. ; Kirchhoff, Louis V. ; Shirani, Jamshid ; Nagajyothi, Fnu ; Mukherjee, Shankar ; Nelson, Randin ; Coyle, Christina M. ; Spray, David C. ; de Carvalho, Antonio C. Campos ; Guan, Fangxia ; Prado, Cibele M. ; Lisanti, Michael P. ; Weiss, Louis M. ; Montgomery, Susan P. ; Tanowitz, Herbert B. . Chagas Heart Disease. *Cardiology in Review (Print)*, v. 20, p. 1-13, 2012.
Citações:3|7
22.
Maciel, Leonardo ; Pedrosa, Roberto C. ; Campos de Carvalho, Antonio Carlos ; Nascimento, Jose H.M. ; Medei, Emiliano . Ventricular Arrhythmias are Related to the Presence of Autoantibodies With Adrenergic Activity in Chronic Chagasic Patients With Preserved Left Ventricular Function. *Journal of Cardiac Failure*, v. online, p. online, 2012.
Citações:1|1
23.
RIBEIRO DOS SANTOS, R. ; Rassi, S. ; Feitosa, G. ; Grecco, O. T. ; Rassi, A. ; da Cunha, A. B. ; de Carvalho, V. B. ; Guarita-Souza, L. C. ; de Oliveira, W. ; TURA, B. R. ; SOARES, M. B. P. ; CAMPOS DE

CARVALHO, A. C. . Cell Therapy in Chagas Cardiomyopathy (Chagas Arm of the MiHeart Study): A Multicenter Randomized Trial. *Circulation (New York, N.Y.)*, v. online, p. online, 2012.

Citações:12|18

24.

Campos de Carvalho, Antonio Carlos ; Carvalho, A. B. ; Mello, Débora B. ; GOLDENBERG, R. C. S. . Bone marrow-derived cell therapy in chagasic cardiac disease: a review of pre-clinical and clinical results. *Cardiovascular Diagnosis and Therapy*, v. 2, p. 213-219, 2012.

25.

Bagno L.L.S. ; CASTRO, J. P. S. ; Oliveira PF ; Abreu M.C. ; ROCHA, N. N. ; Kasai-Brunswick, Tais H. ; Miranda V. ; GOLDENBERG, R. C. S. ; Campos de Carvalho, Antonio Carlos . Adipose-derived stromal cell therapy improves cardiac function after coronary occlusion in rats. *Cell Transplantation*, v. 21, p. 1985-1996, 2012.

Citações:4|5

26.

de Carvalho, Antonio C. Campos ; CARVALHO, A.B. . Turning scar into muscle. *World Journal of Cardiology*, v. 9, p. 267-270, 2012.

Citações:1

27.

Jasmin, . ; Jelicks, Linda A ; Koba W ; Tanowitz, Herbert B. ; Mendez-Otero, R. ; Campos de Carvalho Antonio C ; Spray, David C . Mesenchymal Bone Marrow Cell Therapy in a Mouse Model of Chagas Disease. Where do the cells go?. *PLoS Neglected Tropical Diseases (Print)*, v. 6, p. E1971-1980, 2012.

Citações:6|11

28.

Mendez-Otero, Rosalia ; Campos de Carvalho, Antonio Carlos . Global Update: Brazil. *Regenerative Medicine (Print)*, v. 7, p. 144-147, 2012.

Citações:1

29.

Paredes, Bruno Diaz ; FACCIOLI, L. A. P ; Quintanilha, L. F. ; ASENSI, KARINA DUTRA ; DO VALLE, C.Z. ; CANARY, P. C. ; Takiya, C. M. ; de Carvalho, Antonio Carlos Campos ; Goldenberg, Regina C.S. . Bone marrow progenitor cells do not contribute to liver fibrogenic cells. *World Journal of Hepatology*, v. 4, p. 274, 2012.

Citações:2

30.

LACHTERMACHER, Stephan ; ESPORCATE, Bruno Leonardo Barranco ; FORTES, F. S. A. ; ROCHA, Nazareth N ; Montalvão, F ; COSTA, P. C. S. ; BELÉM, Luciano ; RABISCHOFFSKY, Arnaldo ; Neto, HCCF ; Vasconcellos, R ; IACOBAS, Dimitru Andrea ; IACOBAS, Sanda ; SPRAY, David C ; THOMAS, NM ; GOLDENBERG, Regina Coeli dos Santos ; de Carvalho, Antonio C. Campos . Functional and Transcriptomic Recovery of Infarcted Mouse Myocardium Treated with Bone Marrow Mononuclear Cells. *Stem Cell Reviews*, v. 8, p. 251-261, 2012.

Citações:2|17

31.

Couto, Bianca G. ; Goldenberg, Regina C. dos Santos ; da Fonseca, Léa M. B. ; Thomas, James ; Gutflen, Bianca ; Resende, Célia M. C. ; Azevedo, Feliciano ; Mercante, Daniel R. ; Torres, André L. Moreira ; Coelho, Henrique S. M. ; Maiolino, Angelo ; Alves, Alessandra L. dos Anjos ; Dias, Juliana V. ; Moreira, Maria C. R. ; Sampaio, Ana L. S. B. ; Sousa, Maria A. J. ; Kasai-Brunswick, Tais H. ; Souza, Sérgio A. L. ; Campos de Carvalho Antonio C ; Rezende, Guilherme F. da Motta . Bone marrow mononuclear cell therapy for patients with cirrhosis: a Phase 1 study. *Liver International (Print)*, v. 31, p. 391-400, 2011.

Citações:24|26

32.

Jasmin, . ; Torres, Ana Luiza M ; Nunes, Henrique M P ; Passipieri, Juliana A ; Jelicks, Linda A ; Gasparetto, Emerson L ; Spray, David C ; Campos de Carvalho Antonio C ; Mendez-Otero, Rosalia . Optimized labeling of bone marrow mesenchymal cells with superparamagnetic iron oxide nanoparticles and in vivo visualization by magnetic resonance imaging. *Journal of Nanobiotechnology*, v. 9, p. 4, 2011.

Citações:13|28

33.

Soares, Milena B. P. ; LIMA, R. S. ; Souza Bruno F S ; Vasconcelos, Juliana ; Rocha, Leonardo Lima ; dos Santos, Ricardo Ribeiro ; Iacobas, Sanda ; Goldenberg, Regina C. ; LISANTI, M ; Iacobas D ; Tanowitz, Herbert B. ; SPRAY, D. C. ; Campos de Carvalho Antonio C . Reversion of gene expression alterations in hearts of mice with chronic chagasic cardiomyopathy after transplantation of bone marrow cells. *Cell Cycle (Georgetown, Tex.)*, v. 10, p. 1448-1455, 2011.

Citações:18|22

34.

CORSSO, C. ; CAMPOS DE CARVALHO A. C. . Cell therapy in dilated cardiomyopathy: from animal models to clinical trials. *Brazilian Journal of Medical and Biological Research (Impresso)*, v. 44, p. 388-393, 2011.

Citações:1|5

35.

Curty E ; Cruz F E S ; Lima F S ; Coutinho J L A ; Silva R ; Urmenyi T P ; Campos de Carvalho Antonio C. ; RONDINELLI, E. . Investigation of Ion Channel Gene Variants in Patients with Long QT Syndrome. *Arquivos Brasileiros de Cardiologia (Impresso)*, v. 96, p. 172-178, 2011.

Citações:2

36.

Azevedo-Pereira, Ricardo Luiz ; Lima, Ana Paula C. A. ; Rodrigues, Deivid de Carvalho ; Rondinelli, Edson ; Medei, Emiliano Horácio ; Goldenberg, Regina Coeli dos Santos ; Campos de Carvalho, Antonio Carlos ; Mendez-Otero, Rosalia . Cysteine Proteases in Differentiation of Embryonic Stem Cells into Neural Cells. *Stem Cells and Development*, v. xx, p. 110511113310088, 2011.

Citações:2

37.

CORSSO, C. ; CAMPOS DE CARVALHO A. C. . Reply to "Cell Therapy in Dilated Cardiomyopathy: back to the right scientific track". *Brazilian Journal of Medical and Biological Research (Impresso)*, v. 44, p. 498-499, 2011.

Citações:2|1

38.

CAMPOS DE CARVALHO A. C. ; Carvalho, A. B. ; GOLDENBERG, R. C. S. . Cell based therapy in Chagas disease. *Advances in Parasitology*, v. 75, p. 49-63, 2011.

Citações:1|2

39.

Adesse D ; GOLDENBERG, R. C. S. ; FORTES, F. ; Jasmin, . ; Iacobas D ; Iacobas S ; CAMPOS DE CARVALHO A. C. ; MEIRELLES, M. N. L. ; HUANG, H. ; SOARES, M. B. ; TANOWITZ, H. ; Garzoni L ; SPRAY, D. C. . Gap junctions and Chagas disease. *Advances in Parasitology*, v. 76, p. 63-81, 2011.

Citações:8|9

40.

CARVALHO, A.B. ; MANNHEIMER, E. G. ; QUINTANILHA, L. F. ; PAREDES, B. D. ; CARVALHO, F. G. ; TAKIYA, C. M. ; RESENDE, C. M. C. ; REZENDE, G. F. M. ; de Carvalho, Antonio C. Campos ; Schanaider A ; GOLDENBERG, R. C. S. . Bone marrow cells obtained from cirrhotic rats do not improve function or reduce fibrosis in a chronic liver disease model. *Clinical Transplantation*, v. 25, p. 54-60, 2011.

Citações:1|2

41.

Soares, Milena ; de Lima, Ricardo ; Rocha, Leonardo ; Vasconcelos, Juliana ; Rogatto, Silvia ; dos Santos, Ricardo ; Iacobas, Sanda ; Goldenberg, Regina ; Iacobas, Dumitru ; Tanowitz, Herbert ; CAMPOS DE CARVALHO, ANTONIO ; Spray, David . Gene Expression Changes Associated with Myocarditis and Fibrosis in Hearts of Mice with Chronic Chagasic Cardiomyopathy. *The Journal of Infectious Diseases*, v. 202, p. 416-426, 2010.

Citações:19|20

42.

RIBEIRO, V. P. ; Maia, A. C. V. ; Werneck-de-Castro, João Pedro S. ; Oliveira, Patricia Fidelis ; GOLDENBERG, R. C. S. ; CAMPOS DE CARVALHO, A. C. . Human umbilical cord blood cells in infarcted rats. *Brazilian Journal of Medical and Biological Research (Impresso)*, v. 43, p. 290-296, 2010.

Citações:4|6

43.

Louzada, Ruy A. N. ; Oliveira, Patricia F. ; Cavalcanti-de-Albuquerque, Joao Paulo A. ; Cunha-Carvalho, Leandro ; Baldanza, Marcelo R. ; Kasai-Brunswick, Taís H. ; Goldenberg, Regina C. S. ; CAMPOS DE CARVALHO, ANTONIO ; Werneck-de-Castro, Joao P. S. . Granulocyte-colony Stimulating Factor Treatment of Chronic Myocardial Infarction. *Cardiovascular Drugs and Therapy*, v. 2, p. 20127160, 2010.

Citações:11|12

44.

Nihei, Oscar K ; Fonseca, Paula C ; Rubim, Nara M ; Bonavita, Andre G ; Lyra, Jurandy SPO ; Neves-dos-Santos, Sandra ; Campos de Carvalho, Antonio C ; Spray, David C ; Savino, Wilson ; Alves, Luiz A ; Campos de Carvalho Antonio C. . Modulatory effects of cAMP and PKC activation on gap junctional intercellular communication among thymic epithelial cells. *BMC Cell Biology (Online)*, v. 11, p. 3, 2010.

Citações:5|2

45.

LACHTERMACHER, S. ; ESPORCATE, B. L. B. ; MONTALVAO, F. ; COSTA, P. C. DOS S. ; RODRIGUES, D. C. ; BELEM, L. ; RABISCHOSFFKY, A. ; Faria Neto HCC ; Vasconcellos, R. ; Iacobas, Dumitru A. ; Iacobas S ; DOHMANN, H. F. ; SPRAY, D. C. ; GOLDENBERG, R. C. S. ; CAMPOS DE CARVALHO A. C. . Cardiac gene expression and systemic cytokine profile are complementary in a murine model of post ischemic heart failure.. *Brazilian Journal of Medical and Biological Research (Impresso)*, v. 43, p. 377-389, 2010.

46.

Lessa A S ; Paredes, Bruno Dias ; Dias, J. V. ; Carvalho, A. B. ; Quintanilha, L. F. ; Takyia, Cristina Maeda ; Tura, Bernardo R. ; Razende, G. F. da M. ; CAMPOS DE CARVALHO A. C. ; RESENDE, C. M. C. ; Coeli dos Santos Goldenberg, Regina . Ultrasound imaging in an experimental model of fatty liver and cirrhosis in rats. *BMC Veterinary Research*, v. 6, p. 6, 2010.

Citações:5|9

47.

Barbosa da Fonseca, Lea Mirian ; Xavier, Sérgio S. ; de Castro, Paulo Henrique Rosado ; Lima, Ronaldo S.L. ; Gutfilen, Bianca ; Goldenberg, Regina C.S. ; Maiolino, Angelo ; Chagas, Claudia L.R. ; Pedrosa, Roberto C. ; de Carvalho, Antonio Carlos Campos . Biodistribution of bone marrow mononuclear cells in chronic chagasic cardiomyopathy after intracoronary injection. *International Journal of Cardiology (Print)*, v. 3, p. 20199816, 2010.

Citações:8|9

48.

Ribeiro, Antonio Luiz P. ; de Carvalho, Antonio Carlos Campos ; Lombardi, Federico ; Talvani, André ; Teixeira, Mauro Martins ; Rocha, Manoel Otávio Costa . In vivo inhibitory effect of anti-muscarinic

autoantibodies on the parasympathetic function in Chagas disease. *International Journal of Cardiology* (Print), v. 1, p. 20051298, 2010.

Citações:4|4

49.

Medei, Emiliano ; Marocolo, Moacir ; Rodrigues, Deivid de Carvalho ; Arantes, Paulo Cesar ; Takiya, Christina Maeda ; Silva, Juliana ; Rondinelli, Edson ; Goldenberg, Regina dos Santos ; Campos de Carvalho, Antonio Carlos ; Nascimento, José Hamilton Matheus . Chronic treatment with anabolic steroids induces ventricular repolarization disturbances: Cellular, ionic and molecular mechanism. *Journal of Molecular and Cellular Cardiology*, v. 000, p. 1-11, 2010.

Citações:17|22

50.

Carvalho, Adriana Bastos ; Campos de Carvalho, Antonio Carlos . Heart regeneration: Past, present and future. *World Journal of Cardiology*, v. 2, p. 107-111, 2010.

Citações:12

51.

ESPORCATTE, B. L. B. ; ROCHA, N. N. ; Mello DB ; ASENSI K D ; LACHTERMACHER, S. ; GOLDENBERG, R. C. S. ; CAMPOS DE CARVALHO A. C. . Ecocardiograma de Alta Resolução e o Modelo de Infarto do Miocárdio em Camundongos. *Revista Brasileira de Ecocardiografia*, v. 23, p. 18-24, 2010.

52.

MARTINO, H. F. ; OLIVEIRA, P. S. ; Souza, F. C. ; COSTA, P. C. DOS S. ; ASSUNCAO, E. ; VILLELA, R. ; GAZE, M. ; WEITZEL, L. H. ; OLIVEIRA JR, A. ; Muccillo, F. B. ; Arvelo, S. N. S. ; Guimarães, T. C. F. ; TURA, B. R. ; CAMPOS DE CARVALHO A. C. . Cell Therapy in Dilated Cardiomyopathy: A Safety and Feasibility Study.. *Brazilian Journal of Medical and Biological Research* (Impresso), v. 43, p. 989-995, 2010.

Citações:13|12

53.

Silva H ; MEDEI, E. H. ; RODRIGUES, D. C. ; RONDINELLI, E. ; Aparecida N ; GOLDENBERG, RC. ; de Carvalho, Antonio C. Campos ; NASCIMENTO, J. H. M. . Voltage-dependent calcium and chloride currents in S17 bone marrow stromal cell line. *Journal of Cellular Physiology* (Print), v. 223, p. 244-251, 2010.

Citações:2|2

54.

Tanowitz, Herbert B. ; Machado, Fabiana S. ; Jelicks, Linda A. ; Shirani, Jamshid ; CAMPOS DE CARVALHO A. C. ; Spray, David C. ; Factor, Stephen M. ; Kirchoff, Louis V. ; Weiss, Louis M. . Perspectives on *Trypanosoma cruzi* Induced Heart Disease (Chagas Disease). *Progress in Cardiovascular Diseases*, v. 51, p. 524-539, 2009.

Citações:74|77

55.

Jasmin, . ; Spray, David Conover ; Campos de Carvalho, Antonio Carlos ; Mendez-Otero, Rosalia . Chemical induction of cardiac differentiation in P19 embryonal carcinoma stem cells. *Stem Cells and Development*, p. 090807113231022, 2009.

Citações:10|18

56.

Carvalho, Antonio Carlos C. ; Goldenberg, Regina Coeli S. ; Tuche, Fábio Antonio A. ; Dohmann, Hans Fernando R. . Bases da terapia celular em cardiologia. *Revista Brasileira de Hematologia e Hemoterapia*, p. 75-81, 2009.

Citações:1

57.

Goldenberg, Regina Coeli dos Santos ; Iacobas, Dumitru A. ; Iacobas, Sanda ; Rocha, Leonardo Lima ; da Silva de Azevedo Fortes, Fabio ; Vairo, Leandro ; Nagajyothi, Fnu ; Campos de Carvalho, Antonio Carlos ; Tanowitz, Herbert B. ; Spray, David C. . Transcriptomic alterations in Trypanosoma cruzi-infected cardiac myocytes. *Microbes and Infection*, v. 11, p. 1140-1149, 2009.

Citações:10|12

58.

CAMPOS DE CARVALHO A. C. . Physiology in Brazil: Past and Present. *Journal of the Physiological Society of Japan*, v. 71, p. 148-150, 2009.

59.

CAMPOS DE CARVALHO, ANTONIO ; Goldenberg, Regina C. S. ; Jelicks, Linda A. ; Soares, Milena B. P. ; dos Santos, Ricardo Ribeiro ; Spray, David C. ; Tanowitz, Herbert B. . Cell Therapy in Chagas Disease. *Interdisciplinary Perspectives on Infectious Diseases (Print)*, v. 2009, p. 1-7, 2009.

Citações:1

60.

Quintanilha, L. F. ; MANNHEIMER, E. G. ; Carvalho, A. B. ; Paredes, Bruno Dias ; Dias, J. V. ; ALMEIDA, A. S. ; Gutfilen, B. ; FONSECA, L. M. B. ; RESENDE, C. M. C. ; Razende, G. F. da M. ; de Carvalho, Antonio C. Campos ; GOLDENBERG, R. C. S. . Bone Marrow Cell Transplant Does not Prevent or Reverse Murine Liver Cirrhosis. *Cell Transplantation*, v. 17, p. 943-953, 2008.

Citações:25|29

61.

RIBEIRO, A ; CAMPOS DE CARVALHO, A ; MARTINSTEIXEIRA, M ; LOMBARDI, F ; COSTARROCHA, M . Chagas disease: Impaired vagal modulation has been demonstrated, enhanced parasympathetic activity remains to be proved?. *International Journal of Cardiology*, v. 123, p. 330-332, 2008.

Citações:4|6

62.

Goldenberg, Regina C. S. ; Jelicks, Linda A. ; Fortes, Fabio S. A. ; Weiss, Louis M. ; Rocha, Leonardo L. ; Zhao, Dazhi ; Carvalho, Antonio Campos de ; Spray, David C. ; Tanowitz, Herbert B. . Bone Marrow Cell Therapy Ameliorates and Reverses Chagasic Cardiomyopathy in a Mouse Model. *The Journal of Infectious Diseases*, v. 197, p. 544-547, 2008.

Citações:19|22

63.

MUKHERJEE, S ; NAGAJYOTHI, F ; MUKHOPADHYAY, A ; MACHADO, F ; BELBIN, T ; CAMPOS DE CARVALHO, A ; GUAN, F ; ALBANESE, C ; JELICKS, L ; LISANTI, M . Alterations in myocardial gene expression associated with experimental Trypanosoma cruzi infection. *Genomics (San Diego)*, v. 91, p. 423-432, 2008.

Citações:12|14

64.

Carvalho, A. B. ; Quintanilha, L. F. ; Dias, J. V. ; Paredes, Bruno Dias ; MANNHEIMER, E. G. ; CARVALHO, F. G. ; ASENSI K D ; Gutfilen, B. ; de Carvalho, Antonio C. Campos ; GOLDENBERG, R. C. S. . Bone Marrow Multipotent Mesenchymal Stromal Cells Do Not Reduce Fibrosis or Improve Function in a Rat Model of Severe Chronic Liver Injury. *Stem Cells (Dayton)*, v. 26, p. 1307-1314, 2008.

Citações:80|84

65.

MEDEI, E. . ; NASCIMENTO, J. H. M. ; PEDROSA, R. C. ; de Carvalho, Antonio C. Campos . G-type immunoglobulins with muscarinic-like activity from chronic chagasic patients modulate IKs current but not Ito current. Potassium current modulation by antibodies. *Electrofisiología & Arritmias*, v. 1, p. 22-26, 2008.

Citações:1

66.

Medei, E. H. ; Nascimento, J. H.M. ; PEDROSA, R. C. ; Barcellos, L. ; MASUDA, M. O. ; SICOURI, S. ; ELIZARI, M. V. ; Campos de Carvalho, A. C. . Antibodies with beta-adrenergic activity from chronic chagasic patients modulate the QT interval and M cell action potential duration. *Europace (London)*, v. 10, p. 868-876, 2008.

Citações:11|12

67.

Dohmann, Hans F.R. ; Silva, Suzana A. ; Souza, Andre L.S. ; Braga, Alcione M. S. ; Branco, Rodrigo V. C. ; Haddad, Andrea F. ; Oliveira, Monica A. ; Moreira, Rodrigo C. ; Tucho, Fabio A. A. ; Peixoto, Cintia M. ; Tura, Bernardo R. ; Borojevic, Radovan ; Ribeiro, Jorge P. ; Nicolau, Jose C. ; Nobrega, Antonio C. ; Carvalho, Antonio C. C. . Multicenter Double Blind Trial of Autologous Bone Marrow Mononuclear Cell Transplantation through Intracoronary Injection post Acute Myocardium Infarction a MiHeart/AMI Study. *Trials (London)*, v. 9, p. 41, 2008.

Citações:8|10

68.

HERNANDEZ, CIRIA ; NASCIMENTO, JOSE ; CHAVES, ELEN ; COSTA, PATRICIA ; MASUDA, MASAKO ; KURTENBACH, ELEONORA ; CAMPOS DE CARVALHO, ANTONIO ; GIMENEZ, LUIS . Autoantibodies Enhance Agonist Action and Binding to Cardiac Muscarinic Receptors in Chronic Chagas' Disease. *Journal of Receptor and Signal Transduction Research*, v. 28, p. 375-401, 2008.

Citações:10|15

69.

MEDEI, E. . ; NASCIMENTO, J. H. M. ; PEDROSA, R. C. ; CAMPOS DE CARVALHO A. C. . Role of Autoantibodies in the Physiopathology of Chagas' Disease. *Arquivos Brasileiros de Cardiologia*, v. 91, p. 281-286, 2008.

Citações:6

70.

Dias, J. V. ; Paredes, Bruno Dias ; Quintanilha, L. F. ; Carvalho, A. B. ; KOZLOWSKI, E. O. ; LESSA, A. S. ; TAKIYA, C. M. ; RESENDE, C. M. C. ; COELHO, S. M. ; CAMPOS DE CARVALHO A. C. . Experimental liver cirrhosis in rats: an ultrasound and histomorphological analysis. *Brazilian Journal of Medical and Biological Research*, v. 41, p. 992-999, 2008.

Citações:6|7

71.

ALMEIDA, N. A. S. ; Cordeiro, A. ; Machado, D. S. ; Souza, L. L. ; Ortiga-Carvalho, T. M. ; Campos-de-Carvalho, A. C. ; Wondisford, F. E. ; Pazos-Moura, C. C. . Connexin40 Messenger Ribonucleic Acid Is Positively Regulated by Thyroid Hormone (TH) Acting in Cardiac Atria via the TH Receptor. *Endocrinology (Philadelphia)*, v. 150, p. 546-554, 2008.

Citações:12|13

72.

CARVALHO, A.B. ; DIAS, J. V. ; PAREDES, B. D. ; QUINTANILHA, L. F. ; Kozlowski EO ; LESSA, A. S. ; TAKIYA, C. M. ; RESENDE, C. M. C. ; COELHO, H. S. M. ; de Carvalho, Antonio C. Campos ; REZENDE, G. F. M. ; GOLDENBERG, R. C. S. . An ultrasound and histomorphological analysis of experimental liver cirrhosis in rats. *Brazilian Journal of Medical and Biological Research (Impresso)*, v. 41, p. 992, 2008.

Citações:6|7

73.

MEDEI, E. . ; PEDROSA, R. C. ; BARBOSA, P. R. B. ; COSTA, P. C. S. ; QUINTERO, C. C. H. ; CHAVES, E. ; LINHARES, V. ; MASUDA, M. O. ; NASCIMENTO, J. H. M. ; de Carvalho, Antonio C. Campos . Human antibodies with muscarinic activity modulate ventricular repolarization: basis for electrical disturbance.. *International Journal of Cardiology*, v. 115, n.in press, p. 373-380, 2007.

Citações:35|39

74.

RIBEIRO, A. L. P. ; DÍAZ-GIMÉNEZ, L. E. ; QUINTERO, C. C. H. ; de Carvalho, Antonio C. Campos ; TEIXEIRA, M. M. ; GUEDES, V. C. ; BARROS, M. V. L. ; LOMBARDI, F. ; ROCHA, M. O. C. . Early occurrence of anti-muscarinic antibodies and abnormal vagal modulation in Chagas disease. *International Journal of Cardiology*, v. 117, n.in press, p. 59-63, 2007.

Citações:21|22

75.

TURA, B. R. ; MARTINO, H. F. ; GOWDAK, L. H. ; RIBEIRO-DOS-SANTOS, R. ; DOHMANN, H. F. R. ; José E. Krieger ; Feitoda G ; Vilas-Boas F ; Oliveira SA ; SILVA, S. A. ; Bozza AZ ; BOROJEVIC, R. ; de Carvalho, Antonio C. Campos . Multicenter Randomized Trial of Cell Therapy in Cardiopathies MiHeart Study. *Current Controlled Trials. Cardiovascular Medicine (Online)*, v. 8, p. 1-4, 2007.

Citações:28|36

76.

SEREJO, F. C. ; RODRIGUES JUNIOR, L. F. ; TAVARES, K. C. S. ; de Carvalho, Antonio C. Campos ; NASCIMENTO, J. H. M. . Cardioprotective properties of humoral factors released from rat hearts subject to ischemic preconditioning. *Journal of Cardiovascular Pharmacology*, v. 49, p. 214-220, 2007.

Citações:42|45

77.

OLIVARES, E. L. ; Sousa, C. H. R. ; CASTRO, J. P. S. W. ; RIBEIRO, V. P. ; Márcia G. Silva ; Ribeiro KC ; MATTOS, E. C. ; GOLDENBERG, R. C. S. ; de Carvalho, Antonio C. Campos ; MASUDA, M. O. . Cellular cardiomyoplasty in large myocardial infarction: can the beneficial effect be enhanced by ACE-inhibitor therapy?. *European Journal of Heart Failure*, v. 9, p. 558-567, 2007.

Citações:8|9

78.

SOARES, M. B. ; GARCIA, S. ; de Carvalho, Antonio C. Campos ; RIBEIRO-DOS-SANTOS, R. . Cellular therapy in Chagas disease: potential applications in patients with chronic cardiomyopathy. *Regenerative Medicine*, v. 2, p. 257-264, 2007.

Citações:10|13

79.

MIRANDA, A. ; SOUZA, R. H. DA C. ; CASTRO, J. P. S. W. ; MATTOS, E. C. ; OLIVARES, E. L. ; RIBEIRO, V. P. ; Márcia G. Silva ; GOLDENBERG, R. C. S. ; de Carvalho, Antonio C. Campos . Time course of echocardiographic and electrocardiographic parameters in myocardial infarct in rats. *Anais da Academia Brasileira de Ciências*, v. 79, p. 1-10, 2007.

Citações:2|2

80.

FREITAS, V. J. F. ; I.A. Serova ; Andreeva LE ; DVORYANCHIKOV, G. A. ; E.S. Lopes Júnior ; TEIXEIRA, D. I. A. ; DIAS, L. P. B. ; AVELAR, S. R. G. ; de Carvalho, Antonio C. Campos ; SEROV, O. L. . Production of transgenic goat (*Capra hircus*) with human Granulocyte Colony Stimulating Factor (hG-CSF) gene in Brazil. *Anais da Academia Brasileira de Ciências*, v. 79, p. 585-592, 2007.

Citações:15|18|17

81.

ALTSCHULLER, M. B. C. M. ; PEDROSA, R. C. ; PEREIRA, B. B. ; CORREA FILHO, W. B. ; MEDEIROS, A. S. ; COSTA, P. C. DOS S. ; de Carvalho, Antonio C. Campos . Pacientes chagásicos crônicos portadores de disfunção do nódulo sinusal: a presença de anticorpos IgG com ação agonística muscarínica independe da disfunção ventricular esquerda?. *Revista da Sociedade Brasileira de Medicina Tropical*, v. 40, p. 665-671, 2007.

Citações:6|7

82.

Pereira-Junior, Pedro P. ; Chaves, Elen A. ; Costa-e-Sousa, Ricardo H. ; Masuda, Masako O. ; Carvalho, Antonio C. Campos ; Nascimento, José H. M. . Cardiac autonomic dysfunction in rats chronically treated with anabolic steroid. *European Journal of Applied Physiology*, v. 96, p. 487-494, 2006.

Citações:39|47

83.

Ribeiro KC ; MATTOS, E. C. ; CASTRO, J. P. S. ; RIBEIRO, V. P. ; Sousa, C. H. R. ; MIRANDA, A. ; OLIVARES, E. L. ; FARINA, M. ; MILL, J. G. ; GOLDENBERG, R. C. S. ; MASUDA, M. O. ; de Carvalho, Antonio C. Campos . Ectopic ossification in the scar tissue of rats with myocardial infarction. *Cell Transplantation*, EUA, v. 15, n.in press, p. 389-397, 2006.

Citações:11|13

84.

MARTINO, H. F. ; OLIVEIRA, P. S. ; ASSUNCAO, E. ; VILLELA, R. ; GAZE, M. ; COSTA, P. C. S. ; SOUZA, F. C. C. ; OLIVEIRA JR, A. ; WEITZEL, L. H. ; de Carvalho, Antonio C. Campos . Terapia Celular na Cardiomiopatia Dilatada. *Arquivos Brasileiros de Cardiologia*, Brazil, v. 86, n.5, p. 390-392, 2006.

Citações:5

85.

CHAVES, E ; PEREIRAJUNIOR, P ; FORTUNATO, R ; MASUDA, M ; DECARVALHO, A ; DECARVALHO, D ; OLIVEIRA, M ; NASCIMENTO, J . Nandrolone decanoate impairs exercise-induced cardioprotection: Role of antioxidant enzymes. *Journal of Steroid Biochemistry and Molecular Biology*, v. 99, n.in press, p. 223-230, 2006.

Citações:27|31

86.

Werneck-de-Castro, João Pedro S. ; Costa-e-Sousa, Ricardo Henrique ; Oliveira, Patricia Fidelis ; Pinho-Ribeiro, Vanessa ; Mello, Débora B. ; Peçanha, Ramon ; Mattos, Elisabete ; Olivares, Emerson L. ; Maia, Anna Carolina V. ; Mill, José Geraldo ; Santos Goldenberg, Regina Coeli ; Campos-de-Carvalho, Antônio Carlos . G-CSF does not improve systolic function in a rat model of acute myocardial infarction. *Basic Research in Cardiology*, v. 101, n.in press, p. 494-501, 2006.

Citações:20|27

87.

ROCHA, N. N. ; GARCIA, S. ; GIMÉNEZ, L. E. D. ; HERNÁNDEZ, C. C. Q. ; SENRA, J. F. V. ; LIMA, R. S. ; CYRINO, F. ; BOUSKELA, E. ; SOARES, M. B. P. ; RIBEIRO DOS SANTOS, R. ; CAMPOS DE CARVALHO, A. C. . Characterization of cardiopulmonary function and cardiac muscarinic and adrenergic receptor density adaptation in C57BL/6 mice with chronic *Trypanosoma cruzi* infection. *Parasitology (London)*, v. 133, n.in press, p. 729, 2006.

Citações:11|13

88.

GARCIA, S. ; CAMPOS DE CARVALHO, A. C. . Treatment with Benznidazole during the Chronic Phase of Experimental Chagas' Disease Decreases Cardiac Alterations. *Antimicrobial Agents and Chemotherapy*, EUA, v. 49, p. 1521-1528, 2005.

Citações:98|111

89.

GIMENEZ, L ; HERNANDEZ, C ; MATTOS, E ; BRANDAO, I ; OLIVIERI, B ; CAMPELO, R ; ARAUJOJORGE, T ; SILVA, C ; CAMPOSDECARVALHO, A ; KURTENBACH, E . DNA immunizations with M muscarinic and ? adrenergic receptor coding plasmids impair cardiac function in mice. *Journal of Molecular and Cellular Cardiology*, Holanda, v. 38, p. 703-714, 2005.

Citações:13|14

90.

de Carvalho, Antonio C. Campos ; TURA, B. R. . TERAPIA CELULAR EM CARDIOLOGIA: UMA NOVA ESPERANÇA. Editorial Laranjeiras, Rio de Janeiro, v. 3, p. 06-008, 2005.

91.
COSTAESOUSA, R ; PEREIRAJUNIOR, P ; OLIVEIRA, P ; OLIVARES, E ; WERNECKDECASTRO, J ; MELLO, D ; NASCIMENTO, J ; CAMPOSDECARVALHO, A . Cardiac effects of oxytocin: Is there a role for this peptide in cardiovascular homeostasis?. *Regulatory Peptides*, p. 107-112, 2005.
Citações:24|28

92.
SOARES, M. B. ; LIMA, R. S. ; Rocha LL ; TAKYIA, C. M. ; PONTES-DE-CARVALHO, L. C. ; de Carvalho, Antonio C. Campos ; RIBEIRO-DOS-SANTOS, R. . Transplanted Bone Marrow Cells Repair Heart Tissue and Reduce Myocarditis in Chronic Chagasic Mice. *The American Journal of Pathology (Print)*, Estados Unidos, v. 164, n.2, p. 441-447, 2004.
Citações:47|59

93.
OLIVARES, E. L. ; CAMPOS DE CARVALHO A. C. . Bone marrow stromal cells improve cardiac performance in healed infarcted rat hearts. *American Journal of Physiology. Heart and Circulatory Physiology*, EUA, v. 287, p. H464-H470, 2004.
Citações:42|64

94.
Soares, M ; CAMPOS DE CARVALHO A. C. . Correlation between conformation and antibody binding: NMR structure of cross-reactive peptides from *T. cruzi*, human and *L. braziliensis*. *FEBS Letters*, Inglaterra, v. 560, p. 134-140, 2004.
Citações:12|13

95.
Fortes, F. S. A. ; CAMPOS DE CARVALHO A. C. . Modulation of intercellular communication in macrophages: possible interactions between GAP junctions and P2 receptors. *Journal of Cell Science*, v. 117, p. 4717-4726, 2004.
Citações:31|33

96.
de Carvalho, Antonio C. Campos . Célula-tronco é promessa para medicina do futuro. *Com Ciência*, Campinas, v. online, p. 1-4, 2004.

97.
Savio-Galimberti, E. ; CAMPOS DE CARVALHO, ANTONIO . Mechanical and energetic effects of chronic chagasic patients' antibodies on rat myocardium. *American Journal of Physiology. Heart and Circulatory Physiology*, USA, v. 287, p. H1239-H1245, 2004.
Citações:2|2

98.
BODI, E. C. A. ; HURTADO, S. M. ; Carvalho MA ; BOROJEVIC, R. ; de Carvalho, Antonio C. Campos . Gap junctions in hematopoietic stroma control proliferation and differentiation of blood cell precursors. *Anais da Academia Brasileira de Ciências*, Rio de Janeiro, v. 76, n.4, p. 743-756, 2004.
Citações:7|7

99.
del Corso, C. ; Campos-de-Carvalho, Antonio C Campos de Carvalho . Sera from patients with idiopathic dilated cardiomyopathy decrease I_{Ca} in cardiomyocytes isolated from rabbits. *American Journal of Physiology. Heart and Circulatory Physiology*, EUA, v. 287, p. H1928-H1936, 2004.
Citações:15|18

100.
FONSECA, P ; NIHEI, O ; URBANMALDONADO, M ; ABREU, S ; DECARVALHO, A ; SPRAY, D ; SAVINO, W ; ALVES, L . Characterization of connexin 30.3 and 43 in thymocytes. Immunology Letters, EUA, v. 94, p. 65-75, 2004.
Citações:14|15
101.
Martini, Sabrina V. ; Goldenberg, Regina C. ; Fortes, Fabio S.A. ; Campos-De-Carvalho, Antonio C. ; Falkenstein, Doris ; Morales, Marcelo M. ; Carvalho, Antonio C. Campos . Rhodnius prolixus Malpighian tubule's aquaporin expression is modulated by 5-hydroxytryptamine. Archives of Insect Biochemistry and Physiology, EUA, v. 57, p. 133-141, 2004.
Citações:22|25
102.
RIBEIRO-DOS-SANTOS, R. ; SOARES, M. B. ; de Carvalho, Antonio C. Campos . Transplanted bone marrow cells in the treatment of chronic chagasic cardiomyopathy. Revista Brasileira de Medicina Tropical, Barsil, v. 37, n.6, p. 490-495, 2004.
103.
de Carvalho, Antonio C. Campos ; RIBEIRO-DOS-SANTOS, R. . De Coração Novo. Scientific American Brasil (Edição Especial), Brasil, v. 26, n.julho, p. 54-57, 2004.
104.
LINHARES, V ; ALMEIDA, N ; MENEZES, D ; ELLIOTT, D ; LAI, D ; BEYER, E ; CAMPOSDECARVALHO, A ; COSTA, M . Transcriptional regulation of the murine promoter by cardiac factors Nkx2-5, GATA4 and Tbx5. Cardiovascular Research, Holanda, v. 64, n.3, p. 402-411, 2004.
Citações:46|52
105.
SILVA, G. V. ; CAMPOS DE CARVALHO A. C. . Catheter-based transendocardial delivery of autologous bone-marrow-derived mononuclear cells in patients listed for heart transplantation.. Texas Heart Institute Journal, v. 31, p. 214-219, 2004.
Citações:45|65
106.
HURTADO, S. M. ; BALDUINO, A. ; BODI, E. C. A. ; EL-CHEIKH, M. C. ; CAMPOS DE CARVALHO A. C. ; Borojevic, Radovan . Connexin expression and gap-junction-mediated cell interactions in an in vitro model of haemopoietic stroma. Cell and Tissue Research (Print), v. 316, p. 65-76, 2004.
Citações:10|10
107.
PERIN, E. ; DOHMANN, H. F. ; BOROJEVIC, R. ; Silva, Suzana A. ; Souza, Andre L.S. ; SILVA, G. V. ; MESQUITA, C. T. ; BELEM, L. ; VAUGHN, W. K. ; Rangel F ; Assad J ; Carvalho Antonio C ; BRANCO, R. V. C. ; Rossi M ; Dohman H ; Willerson J T . Injection of Autologous Bone Marrow Mononuclear Cells for Ischemic Cardiomyopathy Improved Exercise Capacity and Ischemia 6 and 12 Months After Transendocardial Injection of Autologous Bone Marrow Mononuclear Cells for Ischemic Cardiomyopathy. Circulation (New York, N.Y.), v. 213, p. 213-218, 2004.
108.
FORTES, F. S. ; GOLDENBERG, R. C. S. ; CRISTANCHO, J. M. ; MORALES, M. ; VARANDA, W. A. ; FRANCI, F. ; de Carvalho, Antonio C. Campos . Modulation of Gap Junction mediated Intercellular Communication in TM3 Leydig Cells. Journal of Endocrinology, Inglaterra, v. 177, n.2, p. 327-335, 2003.
Citações:18|20
- 109.

HERNANDEZ, C ; BARCELLOS, L ; GIMENEZ, L ; CABARCAS, R ; GARCIA, S ; PEDROSA, R ; NASCIMENTO, J ; KURTENBACH, E ; MASUDA, M ; CAMPOSDECARVALHO, A . Human chagasic IgGs bind to cardiac muscarinic receptors and impair L-type Ca currents. *Cardiovascular Research, Europa*, v. 58, n.1, p. 55-65, 2003.

Citações:22|26

110.

PERIN, E. C. ; DE CARVALHO ACC . Transendocardial, Autologous Bone Marrow Cell Transplantation for Severe, Chronic Ischemic Heart Failure. *Circulation (New York)*, EUA, v. 107, n.18, p. 2294-2302, 2003.

Citações:786|994

111.

NIKEI, O. K. ; de Carvalho, Antonio C. Campos ; SPRAY, D. C. ; SAVINO, W. ; ALVES, L. A. . A novel form of cellular communication among thymic epithelial cells: intercellular calcium wave propagation. *American Journal of Physiology. Cell Physiology*, EUA, v. 285, n.5, p. C1304-C1313, 2003.

112.

de Carvalho, Antonio C. Campos . Células Tonco: A medicina do futuro. *Ciência Hoje, Rio de Janeiro*, v. 29, n.172, p. 26-31, 2001.

113.

GARCIA, S. ; de Carvalho, Antonio C. Campos . Neonatal lupus syndrome: The heart as a target of the immune system.. *Anais da Academia Brasileira de Ciências*, Rio de Janeiro, v. 72, n.1, p. 83-89, 2000.

114.

CHRISTANCHO, J. M. ; de Carvalho, Antonio C. Campos ; VARANDA, W. A. . Short term regulation of cell-cell communication in TM3 Leydig cells - a perforated patch study.. *Biochimica et Biophysica Acta. Proteins and Proteomics*, EUA, v. 1496, p. 325-332, 2000.

115.

ROZENTAL, R. ; de Carvalho, Antonio C. Campos ; SPRAY, D. C. . Gap Junctions in the Cardiovascular and Immune System. *Brazilian Journal of Medical and Biological Research*, Brasil, v. 33, n.04, p. 365-368, 2000.

116.

COSTA, P. C. S. ; FORTES, F. S. ; MACHADO, A. B. ; ALMEIDA, N. A. ; OLIVARES, E. L ; CABRAL, P. R. ; PEDROSA, R. C. ; GOLDENBERG, R. C. S. ; de Carvalho, Antonio C. Campos ; MASUDA, M. O. . Sera from Chronic Chagasic Patients Depress Cardiac Electrogenesis and Conduction. *Brazilian Journal of Medical and Biological Research*, Brasil, v. 33, n.04, p. 439-446, 2000.

117.

ALVES, L. A. ; NIKEI, O. K. ; FONSECA, P. ; de Carvalho, Antonio C. Campos ; SAVINO, W. . Gap Junction modulation by Extracellular Signalling Molecules: The Thymus Model.. *Brazilian Journal of Medical and Biological Research*, Brasil, v. 33, n.04, p. 457-465, 2000.

118.

NIHEI, O. K. ; de Carvalho, Antonio C. Campos ; SAVINO, W. ; ALVES, L. A. . Pharmacologic Properties of P2z/p2X7 receptors characterized in murine dendritic cells: role on the induction of apoptosis. *Blood (Philadelphia, PA)*, EUA, v. 96, n.3, p. 996-1005, 2000.

119.

ROZENTAL, R. ; de Carvalho, Antonio C. Campos ; SPRAY, D. C. . Nervous System diseases involving gap junctions. *Brain Research Reviews*, EUA, v. 32, p. 189-191, 2000.

120.

FERRAO, M. M. F. ; CORREIA, A. H. P. ; ABREU, J. G. ; SPRAY, D. C. ; de Carvalho, Antonio C. Campos ; MOURA NETO, V. . Junctional Coupling Between Neurons Astrocytes In Primary Central Nervous System

cultures. Proceedings of the National Academy of Sciences of the United States of America, EUA, v. 96, p. 7541-7546, 1999.

121.

ALVES, L. A. ; de Carvalho, Antonio C. Campos ; SAVINO, W. . Gap Junctions: A Novel Route For Cell-Cell Communication In The Immune System. Immunology Today (Reference ed.), EUA, v. 19, n.6, p. 269-275, 1998.

122.

FERRAO, M. M. F. ; de Carvalho, Antonio C. Campos . Gap Junction Mediated Loops Of Neuronal-Glial Interactions. GLIA (New York, N.Y. : Print), EUA, v. 24, n.1, p. 97-107, 1998.

123.

de Carvalho, Antonio C. Campos ; ROY, C. ; HERTZBERG, E. L. ; TANOWITZ, H. ; KESSLER, J. ; WEISS, L. ; WITTNER, M. ; GAO, Y. ; SPRAY, D. C. . Gap Junction Disappearance In Astrocytes And Leptomeningeal Cells As A Consequence Of Protozoan Infection. Brain Research, EUA, v. 790, n.1-2, p. 304-314, 1998.

124.

VIANA, V. S. T. ; GARCIA, S. ; NASCIMENTO, J. H. M. ; ELKON, K. ; de Carvalho, Antonio C. Campos ; BONFÁ, E. . Affinity Purified Anti-52 Kd Ro/Ssa Antibody Induces Heart Block In Vitro. Lupus (Basingstoke), England, v. 7, p. 141-147, 1998.

125.

MASUDA, M. O. ; LEVIN, M. ; OLIVEIRA, S. F. ; COSTA, P. C. S. ; BERGAMI, P. L. ; ALMEIDA, N. A. S. ; PEDROSA, R. C. ; FERRARI, I. ; HOEBEKE, J. ; de Carvalho, Antonio C. Campos . Functionally Active Cardiac Antibodies In Chronic Chagas Disease Are Blocked By Parasite Peptides. The FASEB Journal, EUA, v. 12, p. 1551-1558, 1998.

126.

CARNEIRO, C. M. M. ; KRAZILNIKOV, O. ; YUDASHEVA, L. N. ; de Carvalho, Antonio C. Campos ; NOGUEIRA, R. A. . Is The Mammalian Porin Channel, VDAC, A Perfect Cylinder In The High Conductance State?. FEBS Letters (Print), England, v. 416, p. 187-198, 1997.

127.

OLIVEIRA, S. F. ; PEDROSA, R. C. ; NASCIMENTO, J. H. M. ; de Carvalho, Antonio C. Campos ; MASUDA, M. O. . Sera From Chronic Chagasic Patients With Complex Cardiac Arrhythmias Depress Electrogenesis And Conduction In Isolated Rabbit Hearts. Circulation (New York, N.Y.), EUA, v. 96, p. 2031-2037, 1997.

128.

MODESTO, E. ; LAMPE, P. ; RIBEIRO, M. C. ; SPRAY, D. C. ; de Carvalho, Antonio C. Campos . Properties Of Mip Channels From Chicken Lens Incorporated Into Planar Lipid Bilayers. The Journal of Membrane Biology (Print), EUA, v. 154, p. 239-249, 1996.

129.

KRAZILNIKOV, O. ; CARNEIRO, C. M. M. ; YULDASHEVA, L. N. ; de Carvalho, Antonio C. Campos ; NOGUEIRA, R. A. . Diameter Of The Mammalian Porin Channel In Open And Closed States: Direct Measurement At The Single Channel Level In Planar Lipid Bilayer. Brazilian Journal of Medical and Biological Research, Brasil, v. 29, p. 1691-1697, 1996.

130.

ALVES, L. A. ; COUTINHO-SILVA, R. ; PERSECHINI, P. M. ; SAVINO, W. ; SPRAY, D. C. ; de Carvalho, Antonio C. Campos . Are There Functional Gap Junctions Or Hemi-Gap Junctions In Macrophages?. Blood (Philadelphia, PA), USA, v. 88, n.1, p. 328-334, 1996.

131.

PERSECHINI, P. M. ; COUTINHO-SILVA, R. ; ALVES, L. A. ; de Carvalho, Antonio C. Campos ; SAVINO, W. . The P2z Purinoreceptor : An Open Question In The Immune System.. Immunology Today (Reference ed.), USA, v. 17, n.6, p. 292-293, 1996.

132.
COUTINHO-SILVA, R. ; ALVES, L. A. ; de Carvalho, Antonio C. Campos ; SAVINO, W. ; PERSECHINI, P. M. . Characterization Of P2z Purinergic Receptors On Phagocytic Cells Of The Thymic Reticulum In Culture.. Biochimica et Biophysica Acta. Proteins and Proteomics, USA, v. 1280, p. 217-222, 1996.

133.
TANOWITZ, H. ; FACTOR, S. M. ; MORRIS, A. A. ; SPRAY, D. C. ; HUANG, H. ; CHEN, B. ; de Carvalho, Antonio C. Campos ; SAEZ, J. C. ; CHRIST, G. J. ; WEISS, L. ; WITTNER, M. . Myogenesis In Chagas` Disease. Basic and Applied Myology, USA, v. 5, n.3, p. 261-280, 1995.

134.
ALVES, L. A. ; de Carvalho, Antonio C. Campos ; LIMA, E. O. C. ; SOUZA, C. ; DARDENNE, M. ; SPRAY, D. C. ; SAVINO, W. . Functional Gap Junctions In Thymic Epithelial Cells Are Formed By Connexin 43. European Journal of Immunology, England, v. 25, p. 431-437, 1995.

135.
ROJKIND, M. ; NOVIKOFF, P. M. ; GREENWELL, P. ; RUBIN, J. ; ROJA-VALENCIA ; de Carvalho, Antonio C. Campos ; STOCKERT, R. ; SPRAY, D. C. ; HERTZBERG, E. L. ; WOLKOFF, A. W. . Characterization And Functional Studies On Rat Liver Fat-Storing Cell Line And Freshly Isolated Hepatocyte Coculture System.. The American Journal of Pathology, USA, v. 146, n.6, p. 1508-1520, 1995.

136.
NASCIMENTO, J. H. M. ; MASUDA, M. O. ; de Carvalho, Antonio C. Campos . A Agonia de Um Coração Com Chagas. Ciência Hoje, Brasil, v. 18, n.103, p. 44-47, 1994.

137.
de Carvalho, Antonio C. Campos ; CAMPOSCARVALHO, A. C. ; MASUDA, M. O. ; TANOWITZ, H. ; WITTNER, M. ; GOLDENBERG, R. C. S. ; SPRAY, D. C. . Conduction Defects And Arrythmias In Chaga'S Disease: Possible Role Of Gap Junctions And Auto-Immune Mechanisms.. Journal of Cardiovascular Electrophysiology (Print), USA, v. 5, n.8, p. 686-698, 1994.

138.
VARANDA, W. A. ; de Carvalho, Antonio C. Campos . Intercellular Communication In Mouse Leydig Cells.. American Journal of Physiology. Cell Physiology, USA, v. 267, p. 563-569, 1994.

139.
SPRAY, D. C. ; de Carvalho, Antonio C. Campos . Junções Comunicantes. Ciência Hoje, Brasil, v. 17, n.101, p. 45-52, 1994.

140.
GARCIA, S. ; NASCIMENTO, J. H. M. ; BONFÁ, E. ; LEVY, R. ; OLIVEIRA, S. F. ; TAVARES, A. ; de Carvalho, Antonio C. Campos . Cellular Mechanisms Of The Conduction Abnormalities Induced By Anti-Ro(Ssa) Antibodies In Rabbit Hearts.. The Journal of Clinical Investigation, USA, v. 93, p. 718-724, 1994.

141.
CASTRO, G. M. O. ; ALVES, L. A. ; de Carvalho, Antonio C. Campos . Junções comunicantes no sistema imune: uma alternativa para a comunicação celular.. Anais da Academia Nacional de Medicina, Brasil, v. 153, n.4, p. 191-195, 1993.

142.

- MORENO, A. P. ; CAMPOS DE CARVALHO A. C. ; CHRIST, G. ; MELMAN, A. ; Spray, David C . Gap junctions between human corpus cavernosum smooth muscle cells: gating properties and unitary conductance. American Journal of Physiology. Cell Physiology, v. 264, p. 80-92, 1993.
143.
de Carvalho, Antonio C. Campos ; TANOWITZ, H. ; WITTNER, M. ; DERMIETZEL, R. ; ROY, C. ; HERTZBERG, E. L. ; SPRAY, D. C. . Gap Junction Distribution Is Altered Between Cardiac Myocytes Infected With Trypanosoma Cruzi. Circulation Research, v. 70, p. 733-742, 1992.
144.
HERTZBERG, E. L. ; de Carvalho, Antonio C. Campos ; SPRAY, D. C. . Complex Channel Activity Recorded From Rat Liver Gap Junctional Membranes Incorporated Into Lipid Bilayers. Brazilian Journal of Medical and Biological Research, Brasil, v. 241, p. 527-537, 1991.
145.
MORENO, A. ; DECARVALHO, A ; VERSELIS, V. ; EGHBALI, B. ; SPRAY, D. C. . Voltage-dependent gap junction channels are formed by connexin32, the major gap junction protein of rat liver. Biophysical Journal (Print), EUA, v. 59, p. 920-925, 1991.
146.
de Carvalho, Antonio C. Campos . Estrutura Primaria e Expressao Funcional do Adn Complementar de Um Canal de Calcio do Cerebro. Ciência Hoje, RJ, v. 13, n.77, p. 8-9, 1991.
147.
SPRAY, D. C. ; de Carvalho, Antonio C. Campos ; CARVALHO, A. P. ; SCEMES, E. ; LEYDIG, C. ; KIM, N. ; PAPPAS, G. ; BENNETT, M. V. L. . Gap Junction Channels In Marine Embryos: Comparison Of Properties In Late Blastulae Of Squid (Loligo Pealei) And Skate (Rana Erinacea). The Biological Bulletin (Lancaster), EUA, v. 179, p. 225-226, 1990.
148.
MORENO, A. ; de Carvalho, Antonio C. Campos ; CHRIST, G. J. ; MELMAN, A. ; HERTZBERG, E. L. ; SPRAY, D. C. . Gap Junctions Between Human Corpus Cavernosum Smooth Muscle Cells In Primary Culture: Electrophysiological And Biochemical Characteristics. INTERNATIONAL JOURNAL ON IMPOTENCE RESEARCH, v. 2, n.2, p. 55-56, 1990.
149.
MODESTO, E. ; BARCELOS, L. ; de Carvalho, Antonio C. Campos . Mip28 Forms Channels In Planar Lipid Bilayers. Brazilian Journal of Medical and Biological Research, v. 23, p. 1029-1032, 1990.
150.
de Carvalho, Antonio C. Campos . K Concentration Influences The Gating Of K Channels From Sarcoplasmic Reticulum. Brazilian Journal of Medical and Biological Research, Brasil, v. 22, p. 107-109, 1989.
151.
de Carvalho, Antonio C. Campos . Regulation Of Gap Junctional Channels. Brazilian Journal of Medical and Biological Research, v. 21, n.2, p. 177-188, 1988.
152.
de Carvalho, Antonio C. Campos ; CUKIERMAN, S. . Ryanodine Does Not Block The K Selective Channel Of Sarcoplasmic Reticulum. Biochemical and Biophysical Research Communications, EUA, v. 148, n.3, p. 1137-1143, 1987.
153.
SPRAY, D. C. ; de Carvalho, Antonio C. Campos ; BENNETT, M. V. L. . Sensitivity Of Gap Junctional Conductance To H Ions In Amphibian Embryonic Cells Is Independent Of Voltage Sensitivity. PNAS.

Proceedings of the National Academy of Sciences of the United States of America, v. 83, n.10, p. 3533-3536, 1986.

154.
de Carvalho, Antonio C. Campos ; RAMÓN, F. ; SPRAY, D. C. . Effects Of Protein Reagents On The Electrotonic Coupling Of Crayfish Septate Axons. American Journal of Physiology. Cell Physiology, EUA, v. 251, p. 99-103, 1986.
155.
de Carvalho, Antonio C. Campos . Calcio e Contracao Muscular. Ciência Hoje, RIO DE JANEIRO, v. 6, n.32, p. 14-0, 1986.
156.
WHITE, R. ; SPRAY, D. C. ; Campos de Carvalho, Antonio Carlos ; WITTENBERG, B. ; MICHAEL, V. L. W. . Some Electrical And Pharmacological Properties Of Gap Junctions between Adult Ventricular Myocytes. American Journal of Physiology. Cell Physiology, EUA, v. 249, n.18, p. 447-455, 1985.
157.
BENNETT, M. V. L. ; SPRAY, D. C. ; HARRIS, A. L. ; GINZBERG, R. D. ; de Carvalho, Antonio C. Campos ; WHITE, R. L. . Control Of Intercellular Communication By Way Of Gap Junctions. THE HARVEY LECTURES, EUA, 1984.
158.
SPRAY, D. C. ; NERBONNE, J. ; de Carvalho, Antonio C. Campos ; HARRIS, L. ; BENNETT, M. V. L. ; LESTER, C. . Substituted Benzyl Esters: A New Class Of Compounds That Reduce Gap Junctional Conductance By Cytoplasmic Acidification. The Journal of Cell Biology, EUA, v. 98, p. 174-179, 1984.
159.
de Carvalho, Antonio C. Campos ; SPRAY, D. C. ; BENNETT, M. V. L. . Ph Dependence Of Transmission At An Electrotonic Synapse Of The Crayfish Septate Axon. Brain Research, v. 321, p. 279-286, 1984.
160.
SPRAY, D. C. ; WHITE, R. ; HARRIS, A. L. ; BENNETT, M. V. L. ; de Carvalho, Antonio C. Campos . Gating Of Gap Junction Channels. Biophysical Journal (Print), EUA, v. 45, p. 219-230, 1984.
161.
de Carvalho, Antonio C. Campos ; CARVALHO, A. P. . Phase-Plane Analysis Of Uniform And Non-Uniform Propagation Of Activity In A Model Of Squid Giant Axon. Anais da Academia Brasileira de Ciências, Brasil, v. 52, n.4, p. 893-902, 1980.