

Jefferson Gomes
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Objective	Lab manager/research assistant	
Professional Experience	Laboratory Manager at Florida International University – Bioengineering Department – ANS Laboratory Responsibilities: <ul style="list-style-type: none">• Lab supply ordering in general• EH&S lab trainings and documentation• Laboratory Set up Neuro-Imaging microscope• Physiology Laboratory• Acute & kinematic laboratory• Preparation lab solutions• Maintain general laboratory environment and equipment with rat studies and dissection• Project data organization• Assisting a group of undergraduate and graduate students• Maintenance of histology laboratory	<i>October 2014 - present</i>
	Senior Technician at Texas Tech University Health Sciences Center – School of Pharmacy (just got offered a position of lab manager). Under Dr. Magdalena Karbowniczek <ul style="list-style-type: none">• Engraftment of mice tumor cells• Maintain animal and colony expansion at animal facility• Maintain tissue and cell culture• Maintain general laboratory environment and equipment• Preparation of laboratory solutions• Maintenance of database• Lab supply ordering	<i>October 2010 – June 2013</i>
	Senior Research technician at University of Miami school of Medicine, Department of Medicine division of cardiology. Under Dr. Lina A Shehadeh <ul style="list-style-type: none">• Prepare adult mice cardiomyocytes• Collecting Electrocardiogram mouse data on Visual Sonics Vevo 770 High-Resolution Imaging System Maintain animal and colony expansion at animal facility• Mouse surgery and special injections into the cardiothoracic cavity• Maintain tissue, cell culture• Maintain general laboratory environment and equipment• Preparation of laboratory solutions• Preparation of Molecular Biology experiments	<i>November 2009 – April 2010</i>

<p>Laboratory technician at Washington University School of Medicine, Department of Cell Biology and Physiology. Under Colin G Nichols</p> <ul style="list-style-type: none"> • Cell isolation of the mouse heart, which include: ventricle cells, atrium cells, AVN, SAN; • Maintain tissue and cell culture • Maintain general laboratory environment and equipment • Organization of records and database. • Prepare laboratory solutions 	<p>November 1999 – May 2007</p>
<p>Laboratory technician at Washington University School of Medicine, Department of Cell Biology and Physiology. Under Dr. Jeanne Nerbonne</p> <ul style="list-style-type: none"> • Cell isolation of the mouse heart (ventricle cells) • Cell Culture • Preparation laboratory solutions • Organization of records and database 	<p><i>February 2005 – May 2007</i></p>
<p>Laboratory technician at USP – University of Sao Paulo School of Medicine – Campus: Ribeirao Preto Brazil.</p> <ul style="list-style-type: none"> • Dissection and Preparation of Anatomical Parts 	<p><i>June 1987 - June 1995</i></p>
<p>Laboratory technician at UNIP – University Paulista</p> <ul style="list-style-type: none"> • Dissection and Preparation of Anatomical Parts • Preparation of artificial anatomic parts 	<p><i>April 1996 – October 1999</i></p>
<p>Laboratory technician at USP – University of Sao Paulo School of Medicine - Campus: Ribeirao Preto.</p> <ul style="list-style-type: none"> • Dissection and Preparation of Anatomical Parts 	<p><i>June 1987 - June 1995</i></p>

Publications

Koster JC, Knopp A, Flagg TP, Markova KP, Sha Q, Enkvetchakul D, Betsuyaku T, Yamada KA, Nichols CG. Tolerance for ATP-insensitive K(ATP) channels in transgenic mice. *Circ Res.* 2001 Nov 23;89(11):1022-9. **(in acknowledgements)**

Flagg TP, Charpentier F, Manning-Fox J, Remedi MS, Enkvetchakul D, Lopatin A, Koster J, Nichols C. Remodeling of excitation-contraction coupling in transgenic mice expressing ATP-insensitive sarcolemmal KATP channels. *Am J Physiol Heart Circ Physiol.* 2004 Apr;286(4):H1361-9. Epub 2003 Dec 04. **(in acknowledgements)**

Flagg TP, Remedi MS, Masia R, **Gomes J**, McLerie M, Lopatin AN, Nichols CG. Transgenic overexpression of SUR1 in the heart suppresses sarcolemmal K(ATP). *J Mol Cell Cardiol.* 2005 Oct;39(4):647-56.

Prasad SM, Al-Dadah AS, Byrd GD, Flagg TP, **Gomes J**, Damiano Jr. RJ, Nichols CG, Lawton JS. Role of the sarcolemmal adenosine triphosphate-sensitive potassium channel in hyperkalemic cardioplegia-induced myocyte swelling and reduced contractility. *Ann Thorac Surg.* 2006 Jan; 81(1):148-53.

Flagg TP, Cazorla O, Remedi MS, Haim TE, Tones MA, Bahinski A, Numann RE, Kovacs A, Schaffer JE, Nichols CG, Nerbonne JM. Ca²⁺-Independent Alterations in Diastolic Sarcomere Length and Relaxation Kinetics in a Mouse Model of Lipotoxic Diabetic Cardiomyopathy *Circ Res.* 2009 Jan 2;104(1):95-103. **(in acknowledgements)**

Abstracts in meeting

XII Pan American Congress of Anatomy & XVIII Brazilian Congress of Anatomy, Funchal Ship, December 13 to 18, 1998. "Teaching head anatomy using artificial models." Authors: **J.L. Gomes**¹; L.G. Sousa²; L.S. Brinn³; O.A. Gomes¹- Institute of Health Sciences, UNIP¹; Departments of Morphology², FORP and Psychobiology³, FFCLRP-USP, Ribeirão Preto, SP. Brazil.

Research Days at Texas Tech University Health Sciences Center School of Pharmacy. June 12-13, 2012. "Immunosuppressive Properties of Pre-metastatic Niche in Breast Cancer. Vadrevu, SK; Chintala, NK; **Gomes, JL**; Karbowniczek, M and Markiewski, MM. Center for Immunotherapeutic Research, Department of Biomedical Sciences, Texas Tech University Health Science Center, School of Pharmacy, Abilene, Texas

Research Days at Texas Tech University Health Sciences Center School of Pharmacy. June 12-13, 2012. "Rheb and Notch-dependent Cell-Fate Decisions in Tuberous Sclerosis Complex." Shinde, P; Bonala, B; **Gomes, JL**; Cowan, T and Karbowniczek, M. Texas Tech University Health Science Center, School of Pharmacy, Abilene, Texas

Education	High school	Completed in Brazil in 1988
	Cisco College Pre-nursing	August 2008- December 2012
