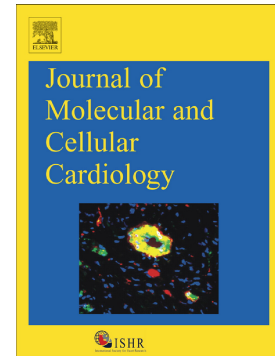


Accepted Manuscript

Transient activation of PKC results in long-lasting detrimental effects on systolic $[Ca^{2+}]_i$ in cardiomyocytes by altering actin cytoskeletal dynamics and T-tubule integrity

Ang Guo, Rong Chen, Yihui Wang, Chun-Kai Huang, Biyi Chen, William Kutschke, Jiang Hong, Long-Sheng Song



PII: S0022-2828(18)30012-9

DOI: [doi:10.1016/j.yjmcc.2018.01.003](https://doi.org/10.1016/j.yjmcc.2018.01.003)

Reference: YJMCC 8662

To appear in: *Journal of Molecular and Cellular Cardiology*

Received date: 16 October 2017

Revised date: 18 December 2017

Accepted date: 3 January 2018

Please cite this article as: Ang Guo, Rong Chen, Yihui Wang, Chun-Kai Huang, Biyi Chen, William Kutschke, Jiang Hong, Long-Sheng Song, Transient activation of PKC results in long-lasting detrimental effects on systolic $[Ca^{2+}]_i$ in cardiomyocytes by altering actin cytoskeletal dynamics and T-tubule integrity. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Yjmcc(2018), doi:[10.1016/j.yjmcc.2018.01.003](https://doi.org/10.1016/j.yjmcc.2018.01.003)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Transient activation of PKC results in long-lasting detrimental effects on systolic $[Ca^{2+}]_i$ in cardiomyocytes by altering actin cytoskeletal dynamics and T-tubule integrity

Ang Guo, Ph.D.^{1,2*}, Rong Chen, M.S.^{1,3*}, Yihui Wang, M.S.^{1,3}, Chun-Kai Huang, M.S.^{1,3}, Biyi Chen, M.D., Ph.D.¹, William Kutschke, M.S.¹, Jiang Hong, M.D., Ph.D.³, Long-Sheng Song, M.D.^{1,4}

¹ Division of Cardiovascular Medicine, Department of Internal Medicine & François M. Abboud Cardiovascular Research Center, University of Iowa Carver College of Medicine; Iowa City, IA 52242, USA; ² Shanghai Tongji Hospital, Tongji University, Shanghai, 200065, China; ³ Shanghai General Hospital, Shanghai Jiaotong University School of Medicine, Shanghai, 200080, China; ⁴ Department of Veterans Affairs Medical Center, Iowa City, IA 52242, USA

* Contributed equally to this work.

Running title: PKC, T-tubule remodeling and heart failure

Address correspondence to:

Long-Sheng Song, M.D.
Division of Cardiovascular Medicine
Department of Internal Medicine &
Abboud Cardiovascular Research Center
University of Iowa Carver College of Medicine
Iowa City, IA 52242
Phone: (319) 384-2890
Fax: (319) 335-5552
Email: long-sheng-song@uiowa.edu

Total Words: 7839

Download English Version:

<https://daneshyari.com/en/article/8473551>

Download Persian Version:

<https://daneshyari.com/article/8473551>

[Daneshyari.com](https://daneshyari.com)