

# Author's Accepted Manuscript

The Warburg Effect: Evolving Interpretations  
Of An Established Concept

Xiaozhuo Chen, Yanrong Qian, Shiyong Wu



[www.elsevier.com/locate/freerad-](http://www.elsevier.com/locate/freerad-biomed)

PII: S0891-5849(14)00418-3

biomed

DOI: <http://dx.doi.org/10.1016/j.freeradbiomed.2014.08.027>

Reference: FRB12136

To appear in: *Free Radical Biology and Medicine*

Received date: 1 May 2014

Revised date: 15 August 2014

Accepted date: 23 August 2014

Cite this article as: Xiaozhuo Chen, Yanrong Qian, Shiyong Wu, The Warburg Effect: Evolving Interpretations Of An Established Concept, *Free Radical Biology and Medicine*, <http://dx.doi.org/10.1016/j.freeradbiomed.2014.08.027>

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 galley proof before it is published in its final citable 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.

## The Warburg Effect: Evolving Interpretations Of An Established Concept

Xiaozhuo Chen<sup>1,2,3,4</sup>, Yanrong Qian<sup>1,2,4</sup>, Shiyong Wu<sup>1,2,4\*</sup>

<sup>1</sup>Edison Biotechnology Institute, <sup>2</sup>Molecular and Cellular Biology Program, <sup>3</sup>Department of Biomedical Sciences and <sup>4</sup>Department of Chemistry and Biochemistry, Ohio University

\* Address correspondence to:

Dr. Shiyong Wu,

Edison Biotechnology Institute,

101 Konneker Laboratories, The Ridges, Building 25,

Athens, OH 45701

Tel. (740) 597-1318, Fax (740) 593-4795;

E-mail: wus1@ohio.edu

### Contents

Abstract

Introduction

Brief History And Current Interpretations Of The Warburg Effect

ROS Balancing And The Warburg Effect

ROS-Involved Gene Regulation And The Warburg Effect

Download English Version:

<https://daneshyari.com/en/article/8269460>

Download Persian Version:

<https://daneshyari.com/article/8269460>

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