

Accepted Manuscript

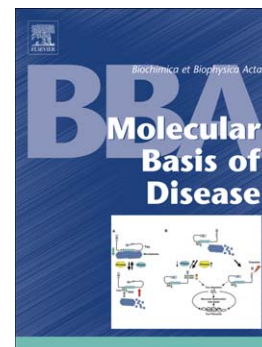
Bioenergetics dysfunction, mitochondrial permeability transition pore opening and lipid peroxidation induced by hydrogen sulfide as relevant pathomechanisms underlying the neurological dysfunction characteristic of ethylmalonic encephalopathy

Gabriela Miranda Fernandez Cardoso, Julia Tauana Pletsch, Belisa Parmeggiani, Mateus Grings, Nicolás Manzke Glanzel, Larissa Daniele Bobermin, Alexandre Umpierrez Amaral, Moacir Wajner, Guilhian Leipnitz

PII: S0925-4439(17)30202-8
DOI: doi:[10.1016/j.bbadis.2017.06.007](https://doi.org/10.1016/j.bbadis.2017.06.007)
Reference: BBADIS 64790

To appear in: *BBA - Molecular Basis of Disease*

Received date: 26 January 2017
Revised date: 16 May 2017
Accepted date: 10 June 2017



Please cite this article as: Gabriela Miranda Fernandez Cardoso, Julia Tauana Pletsch, Belisa Parmeggiani, Mateus Grings, Nicolás Manzke Glanzel, Larissa Daniele Bobermin, Alexandre Umpierrez Amaral, Moacir Wajner, Guilhian Leipnitz, Bioenergetics dysfunction, mitochondrial permeability transition pore opening and lipid peroxidation induced by hydrogen sulfide as relevant pathomechanisms underlying the neurological dysfunction characteristic of ethylmalonic encephalopathy, *BBA - Molecular Basis of Disease* (2017), doi:[10.1016/j.bbadis.2017.06.007](https://doi.org/10.1016/j.bbadis.2017.06.007)

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.

Bioenergetics dysfunction, mitochondrial permeability transition pore opening and lipid peroxidation induced by hydrogen sulfide as relevant pathomechanisms underlying the neurological dysfunction characteristic of ethylmalonic encephalopathy

Gabriela Miranda Fernandez Cardoso^{a,e}, Julia Tauana Pletsch^{a,e}, Belisa Parmeggiani^a, Mateus Grings^a, Nicolás Manzke Glanzel^a, Larissa Daniele Bobermin^a, Alexandre Umpierrez Amaral^{a,d}, Moacir Wajner^{a,b,c}, Guilhian Leipnitz^{a,b,*}

^aPrograma de Pós-Graduação em Ciências Biológicas: Bioquímica, Universidade Federal do Rio Grande do Sul, Rua Ramiro Barcelos, 2600-Anexo, CEP 90035-003, Porto Alegre, RS, Brazil

^bDepartamento de Bioquímica, Instituto de Ciências Básicas da Saúde, Universidade Federal do Rio Grande do Sul, Rua Ramiro Barcelos, 2600-Anexo, CEP 90035-003, Porto Alegre, RS, Brazil

^cServiço de Genética Médica, Hospital de Clínicas de Porto Alegre, Rua Ramiro Barcelos, 2350, CEP 90035-903, Porto Alegre, RS, Brazil

^dDepartamento de Ciências Biológicas, Universidade Regional Integrada do Alto Uruguai e das Missões, Avenida Sete de Setembro, 1621, CEP 99709-910, Erechim, RS, Brazil.

^eCo-first authors. Both authors have contributed equally to this work.

*Corresponding Author: Guilhian Leipnitz, Departamento de Bioquímica, Instituto de Ciências Básicas da Saúde, Universidade Federal de Rio Grande do Sul, Ramiro Barcelos Street, 2600 – Anexo, CEP 90035-003, Porto Alegre, RS – Brazil. Phone: +55 51 3308-5551, fax: +55 51 3308-5540, e-mail: guilhian@ufrgs.br

Download English Version:

<https://daneshyari.com/en/article/5500994>

Download Persian Version:

<https://daneshyari.com/article/5500994>

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