

## Accepted Manuscript

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Author: Gabriela Hollmann Gabrielle de Jesus Ferreira  
Márcio Alberto Geihs Marcelo Alves Vargas Luiz Eduardo  
Maia Nery Álvaro Leitão Rafael Linden Silvana Allodi



PII: S0166-445X(15)00016-8  
DOI: <http://dx.doi.org/doi:10.1016/j.aquatox.2015.01.008>  
Reference: AQTOX 4024

To appear in: *Aquatic Toxicology*

Received date: 30-10-2014  
Revised date: 8-1-2015  
Accepted date: 13-1-2015

Please cite this article as: Hollmann, Gabriela, Ferreira, Gabrielle de Jesus, Geihs, Márcio Alberto, Vargas, Marcelo Alves, Nery, Luiz Eduardo Maia, Leitão, Álvaro, Linden, Rafael, Allodi, Silvana, Antioxidant activity stimulated by ultraviolet radiation in the nervous system of a crustacean. *Aquatic Toxicology* <http://dx.doi.org/10.1016/j.aquatox.2015.01.008>

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## Antioxidant activity stimulated by ultraviolet radiation in the nervous system of a crustacean

Gabriela Hollmann<sup>1</sup>; Gabrielle de Jesus Ferreira<sup>1</sup>; Márcio Alberto Geihs<sup>2</sup>; Marcelo Alves Vargas<sup>2</sup>; Luiz Eduardo Maia Nery<sup>2</sup>; Álvaro Leitão<sup>1</sup>, Rafael Linden<sup>1</sup>; Silvana Allodi<sup>1</sup>.

<sup>1</sup> Programa de Pós Graduação em Ciências Biológicas-Fisiologia. Instituto de Biofísica Carlos Chagas Filho, Universidade Federal do Rio de Janeiro-UFRJ, Rio de Janeiro, RJ, 21941-590, Brazil.

<sup>2</sup> Programa de Pós Graduação em Ciências Fisiológicas-Fisiologia Animal Comparada. Instituto de Ciências Biológicas, Universidade Federal do Rio Grande-FURG, Rio Grande, RS, 96201-900, Brazil.

Corresponding author

Dr. Gabriela Hollmann

Avenida Carlos Chagas Filho, 373

Instituto de Biofísica Carlos Chagas Filho

Universidade Federal do Rio de Janeiro

Rio de Janeiro, RJ, 21941-590, Brazil

Email address: gabrielahollmann@biof.ufrj.br

Phone number: +55 21 39386539

Email of other authors

Gabrielle de Jesus Ferreira (gabi\_ferreira@hotmail.com)

Márcio Alberto Geihs (geihs@hotmail.com)

Marcelo Alves Vargas (biovargas@gmail.com)

Luiz Eduardo Maia Nery (famnery@terra.com.br)

Álvaro Leitão (acleitao@biof.ufrj.br)

Rafael Linden (rlinden@biof.ufrj.br)

Silvana Allodi (sallodi@biof.ufrj.br)

Graphical Abstract

Highlights

- Ultraviolet (UV) radiation produces biological damage, principally oxidative stress
- We analyzed oxidative stress in the central nervous system (CNS) of a crab
- The damage was evaluated using biochemical tests and immunohistochemistry
- We verified the occurrence of apoptosis in the brain of the UV-exposed crabs
- Environmental doses of UV can cause oxidative damage to CNS, including apoptosis

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