## **Accepted Manuscript**

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PII: \$1063-4584(15)01263-7

DOI: 10.1016/j.joca.2015.07.020

Reference: YJOCA 3553

To appear in: Osteoarthritis and Cartilage

Received Date: 24 March 2015

Revised Date: 18 July 2015

Accepted Date: 27 July 2015

Please cite this article as: Assis L, Milares LP, Almeida T, Tim C, Magri A, Fernandes KR, Medalha C, Muniz Renno AC, Aerobic exercise training and low-level laser therapy modulate inflammatory response and degenerative process in an experimental model of knee osteoarthritis in rats, *Osteoarthritis and Cartilage* (2015), doi: 10.1016/j.joca.2015.07.020.

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## ACCEPTED MANUSCRIPT

Aerobic exercise training and low-level laser therapy modulate inflammatory response and degenerative process in an experimental model of knee osteoarthritis in rats Running Title: Exercise training and LLLT on knee osteoarthritis Lívia Assis †<sup>1</sup>, Luiz Paulo Milares †<sup>1</sup>, Thais Almeida<sup>1</sup>, Carla Tim<sup>2</sup>, Angela Magri<sup>1</sup>, Kelly Rossetti Fernandes<sup>1</sup>, Carla Medalha<sup>1</sup>, Ana Claudia Muniz Renno<sup>1</sup> <sup>1</sup>Department of Bioscience, Federal University of São Paulo, Santos, SP, Brazil. <sup>2</sup>Department of Physiotherapy, Federal University of São Carlos, São Carlos, SP, Brazil. † These authors contributed equally to this study \*Corresponding author: Livia Assis Department of Bioscience Federal University of São Paulo R. Silva Jardim, 136, Vila Mathias, Santos, Sao Paulo, Brazil 11015-020. E-mail: livinha\_fisio@yahoo.com.br Tel.: +55 13 38783823 

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