

Accepted Manuscript

Influence of omega-3 fatty acids on bovine luteal cell plasma membrane dynamics

Michele R. Plewes, Patrick D. Burns, Richard M. Hyslop, B. George Barisas



PII: S0005-2736(17)30286-9
DOI: doi: [10.1016/j.bbamem.2017.09.012](https://doi.org/10.1016/j.bbamem.2017.09.012)
Reference: BBAMEM 82585

To appear in:

Received date: 5 May 2017
Revised date: 9 August 2017
Accepted date: 10 September 2017

Please cite this article as: Michele R. Plewes, Patrick D. Burns, Richard M. Hyslop, B. George Barisas, Influence of omega-3 fatty acids on bovine luteal cell plasma membrane dynamics, (2017), doi: [10.1016/j.bbamem.2017.09.012](https://doi.org/10.1016/j.bbamem.2017.09.012)

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.

Title: Influence of omega-3 fatty acids on bovine luteal cell plasma membrane dynamics.¹

Running Title: Lipid microdomains and FP receptor mobility

Summary Sentence: Eicosapentaenoic and docosahexaenoic acids disrupt lipid microdomains and increase FP receptor mobility on plasma membranes of bovine luteal cells.

Key Words: bovine, luteal membrane, omega-3 fatty acids, lipid microdomains, FP receptor

Authors: Michele R. Plewes², Patrick D. Burns^{2,3}, Richard M. Hyslop⁴, and B. George Barisas⁵

²School of Biological Sciences and ⁴Department of Chemistry and Biochemistry, University of Northern Colorado, Greeley, Colorado, 80639

⁵Department of Chemistry, Colorado State University, Fort Collins, Colorado 80523

¹This project was supported by National Research Initiative Competitive Grant no. 2013-6715-20966 from the USDA National Institute of Food and Agriculture to P.D.B and National Institutes of Health, Award Number CA175937 to B.G.B.

³Correspondence: Patrick D. Burns, 1516 Ross Hall, School of Biological Sciences, University of Northern Colorado, Greeley, Colorado, 80639

E-mail: Patrick.burns@unco.edu

Download English Version:

<https://daneshyari.com/en/article/5507309>

Download Persian Version:

<https://daneshyari.com/article/5507309>

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