

Accepted Manuscript

New perspectives on placental fatty acid transfer

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PII: S0952-3278(18)30075-9
DOI: <https://doi.org/10.1016/j.plefa.2018.10.001>
Reference: YPLEF 1956



To appear in: *Prostaglandins, Leukotrienes and Essential Fatty Acids (PLEFA)*

Received date: 21 March 2018
Revised date: 3 October 2018
Accepted date: 3 October 2018

Please cite this article as: Rohan M. Lewis , Caroline E. Childs , Philip C. Calder , New perspectives on placental fatty acid transfer, *Prostaglandins, Leukotrienes and Essential Fatty Acids (PLEFA)* (2018), doi: <https://doi.org/10.1016/j.plefa.2018.10.001>

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Highlights

- Placental uptake of LC-PUFA are important to meet both fetal and placental demand
- Placental metabolism plays an important role in determining transfer of fatty acids to the fetus
- Metabolic targeting of specific fatty acids to different lipid pools may determine their availability as both nutrients and signalling molecules
- Fatty acids and their derivatives may mediate communication between the mother and placenta

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