New perspectives on placental fatty acid transfer

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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