Accepted Manuscript

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PII:	\$0955-2863(15)00227-2
DOI:	doi: 10.1016/j.jnutbio.2015.08.026
Reference:	JNB 7440

To appear in: The Journal of Nutritional Biochemistry

Received date:	12 February 2015
Revised date:	19 August 2015
Accepted date:	21 August 2015



Please cite this article as: Lamy Sylvie, Saad Aroua Ben, Zgheib Alain, Annabi Borhane, Olive oil compounds inhibit the paracrine regulation of TNF- α -induced endothelial cell migration through reduced glioblastoma cell cyclooxygenase-2 expression, *The Journal of Nutritional Biochemistry* (2015), doi: 10.1016/j.jnutbio.2015.08.026

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ACCEPTED MANUSCRIPT

Olive oil compounds inhibit the paracrine regulation of TNFα-induced endothelial cell migration through reduced glioblastoma cell cyclooxygenase-2 expression

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Financial support: This study was funded by the Institutional Research Chair in Cancer Prevention and Treatment held by Dr. Borhane Annabi at UQÅM. **Running title:** Olive oil compounds inhibit TNF- α -mediated inflammation **Keywords:** COX-2; Endothelial cells; Glioblastoma; Olive oil; PGE₂; TNF- α

Abbreviations: AA, arachidonic acid; BBB, blood-brain barrier; CM, conditioned media; CNS, central nervous system; COX-2, cyclooxygenase-2; ERK, extracellular signal-regulated kinase; EVOO, extra virgin olive oil; GBM, glioblastoma multiforme; HBMEC, human brain microvascular endothelial cells; HT, hydroxytyrosol; I κ B, inhibitor of κ B; IL-1 β , interleukin-1 β , JNK, c-Jun amino-terminal kinase; MAPK, mitogen-activated protein kinase; NF- κ B, nuclear transcription factor- κ B; OA, oleic acid; OL, oleuropein; PGE₂, prostaglandin E₂; TNF- α , tumor necrosis factor-alpha; Tyr, tyrosol; VEGF, vascular endothelial growth factor

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