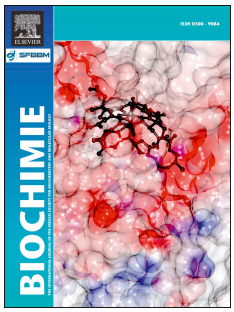
Accepted Manuscript



Loss of UCP2 impairs cold-induced non-shivering thermogenesis by promoting a shift toward glucose utilization in brown adipose tissue

Alexandre Caron, Sébastien M. Labbé, Sophie Carter, Marie-Claude Roy, Roger Lecomte, Daniel Ricquier, Frédéric Picard, Denis Richard

PII: S0300-9084(16)30270-X

DOI: 10.1016/j.biochi.2017.01.006

Reference: BIOCHI 5131

To appear in: *Biochimie*

Received Date: 15 October 2016

Revised Date: 12 January 2017

Accepted Date: 13 January 2017

Please cite this article as: A. Caron, S.M. Labbé, S. Carter, M.-C. Roy, R. Lecomte, D. Ricquier, F. Picard, D. Richard, Loss of UCP2 impairs cold-induced non-shivering thermogenesis by promoting a shift toward glucose utilization in brown adipose tissue, *Biochimie* (2017), doi: 10.1016/j.biochi.2017.01.006.

Loss of UCP2 impairs cold-induced non-shivering thermogenesis by promoting a shift toward glucose utilization in brown adipose tissue

Running title: UCP2 in BAT metabolism

Authors: Alexandre Caron[1,2,#], Sébastien M. Labbé[1,2,#], Sophie Carter[1,3], Marie-Claude Roy[1], Roger Lecomte[4], Daniel Ricquier[5], Frédéric Picard[1,3] and Denis Richard[1,2]

[1]Institut universitaire de Cardiologie et de Pneumologie de Québec, 2725 chemin Sainte-Foy, Quebec, Quebec, G1V 4G5, Canada.
[2]Département de Médecine, Faculté de Médecine, Université Laval, Québec, Québec, Canada
[3]Département de Pharmacie, Faculté de Pharmacie, Université Laval, Québec, Québec, Canada
[4]Département de Médecine nucléaire et de Radiologie, Centre d'Imagerie moléculaire de Sherbrooke, Université de Sherbrooke, Sherbrooke, Canada
[5]Université Paris Descartes, Faculté de Médecine, Institut Cochin, 24, rue du Faubourg Saint-Jacques, 75014, Paris, France
[#]These authors contributed equally to the present work.

Correspondance to: Pr Denis Richard, Institut universitaire de Cardiologie et de Pneumologie de Quebec, Pavillon Marguerite-d'Youville 2725, chemin Sainte-Foy, Québec (Québec), G1V 4G5, CANADA
Phone: 1 (418) 656-8711 ext. 3392; E-mail: denis.richard@criucpq.ulaval.ca