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List of Publications:

Original Research Articles:

O Abo Alrob, S Sankaralingam, JS Jaswal, MN Sack, R Lehner, RS Padwal, DE Johnstone, AM Sharma, N Fillmore, GD Lopaschuk. Obesity-Induced Lysine Acetylation Increases Cardiac Fatty Acid Oxidation and Impairs Insulin Signaling. Cardiovascular Res. (Accepted) 2014

Jun Mori, Vaibhav B. Patel, Tharmarajan Ramprasath, **Osama Abo Alrob**, Jessica DesAulniers, James W. Scholey, Gary D. Lopaschuk and Gavin Y. Oudit. Angiotensin 1-7 mediates renoprotection against diabetic nephropathy by reducing oxidative stress, inflammation and lipotoxicity. Am J Physiol Renal Physiol. 2014

Mori J, Patel VB, **Abo Alrob O**, Basu R, Desaulniers J, Wagg CS, Kassiri Z, Lopaschuk GD, Oudit GY. Angiotensin 1-7 Ameliorates Diabetic Cardiomyopathy and Diastolic Dysfunction in db/db Mice by Reducing Lipotoxicity and Inflammation. Circ Heart Fail. 2014

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Osama Abo Alrob and Gary D. Lopaschuk. Role of CoA and Acetyl CoA in Regulating Cardiac Fatty Acid and Glucose Oxidation. Biochemical Society Transactions. 2014

Filmore N*, **Abo alrob O***, Lopaschuk G. Fatty Acid Beta Oxidation. AOCS Lipid Library. 2011, Online review. * Equal contribution

Manuscripts in preparation:

Osama Abo Alrob, Sowndramalingam Sankaralingam, Cary Ma, Cory S. Wagg, Waleed GT. Masoud, Jagdip S. Jaswal, and Gary D. Lopaschuk. Acetylation of Cardiac Regulatory Proteins Increases Fatty Acid β-Oxidation and Represses Glycolysis During Maturation. For submission to Cardiovascular Research journal

Waleed GT. Masoud, **Osama Abo Alrob**, Gary D. Lopaschuk, and Alexander S Clanachan. Tolerance to ischemic injury in remodeled mouse hearts: less ischemic glycogenolysis and preserved metabolic efficiency. Under revisions of Cardiovascular Research journal

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Selected conference presentations and peer reviewed abstracts:

Osama Abo Alrob, Sownd Sankaralingam, Cory S. Wagg, and Gary D. Lopaschuk. Role of Lysine Acetylation in the Maturation of Energy Metabolism in the Newborn Heart. Pediatrics research day, Edmonton, Canada, 2014

Osama Abo Alrob, Sownd Sankaralingam, Cory S. Wagg, and Gary D. Lopaschuk. Mitochondrial Acetylation Increases Fatty Acid Oxidation in the Heart. Keystone symposia, Vancouver, Canada, 2014

Abo Alrob O, Sankaralingam S, Masoud WGT, Sack MN, Clanachan AS , and Lopaschuk GD. Lysine Acetylation Enhances Cardiac Fatty Acid β-Oxidation. American Heart Association, Dallas, USA, 2013

Cary Ma, **Osama Abo Alrob**, Richard Lehner, Cory Wagg, and Gary Lopaschuk. Acetylation Enhances Cardiac Fatty Acid Oxidation in SIRT3 KO mice. Summer student research day, Edmonton, Canada

Abo Alrob O, Sankaralingam S, Jaswal JS, Sack MN, Lehner R, Padwal RS, Johnstone DE, Sharma AM, Fillmore N, and Gary D. Lopaschuk. Acetylation Enhances Cardiac Fatty Acid Oxidation in High Fat Diet Induced-Obese Mice. Keystone, USA, 2013

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Osama Abo Alrob, Jagdip S. Jaswal, Natasha Fillmore, Victoria Lam, and Gary D. Lopaschuk. Role of Lysine Acetylation in the Maturation of Energy Metabolism in the Newborn Heart. ISHR, Banff, Canada, 2012

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