

Curriculum Vitae

1. General information

Name	John P. Thyfault		
Affiliation	University of Kansas Medical Center		
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2. Educational background & professional experience

Year	Affiliation	Position
2016-current	University of Kansas Medical Center	Associate Professor
2005-2016	University of Missouri	Assistant/Assoc Professor
2008-2009	East Carolina University	Post-doctoral Fellow
2004-2007	University of Kansas	Ph.D.
2002-2004	Fort Hays State University	M.S.
1990-1994	Fort Hays State University	BS

3. Research interests

1. Links between fatty liver, hepatic mitochondrial impairments, and low aerobic fitness and the role that hepatic PGC-1 α may be playing in this process
2. Role of hepatic mitochondrial function to impact systemic metabolism and regulation of energy intake and physical activity
3. Role of physical activity and inactivity to modulate insulin action and glycemic control
4. Impact of statins to negatively impact the ability of exercise training to improve skeletal muscle mitochondrial function and aerobic capacity

4. List of major publications

1. **JP Thyfault**, RM Kraus, RC Hickner, AW Howell, RR Wolfe, and GL Dohm. Impaired plasma fatty acid oxidation in extremely obese women. *Am J Physiol Endocrinol Metab.* 2004 Dec; 287: E1076–E1081.
2. **JP Thyfault**, MG Cree, J Zwetsloot, TR Koves, E Tapscott, RC Noland, MG Cree, RR Wolfe, DR Muoio and GL Dohm. Contraction of insulin resistant muscle normalizes insulin action in association with increased mitochondrial activity and fatty acid catabolism. *Am J Physiol Cell Physiol.* 2007 Feb;292(2):C729-39
3. RS Rector*, **JP Thyfault*** (*Co-First Authors), RT Morris, MJ Laye, SJ Borengasser, W Booth, JA Ibdah. Daily exercise increases hepatic fatty acid oxidation and prevents steatosis in Otsuka Long-Evans Tokushima Fatty rats. *Am J Physiol Gastrointest Liver Physiol.* 2008 Mar;294(3):G619-26. Epub 2008 Jan 3.
4. **JP Thyfault**, RS Rector, GM Uptergrove, SJ Borengasser, EM Morris, Y Wei, MJ Laye, SE Clark, N Qi, C Burant, LG Koch, SL Britton, and JA Ibdah. Rats selectively bred for low aerobic capacity have reduced hepatic mitochondrial oxidative capacity and susceptibility to hepatic steatosis and injury. *J Physiol.* 2009 Apr 15;587(Pt 8):1805-16.
5. Mikus CR, Boyle LJ, Borengasser SJ, Oberlin DJ, Naples SP, Fletcher J, Meers GM, Ruebel M, Laughlin MH, Dellsperger KC, Fadel PJ, **JP Thyfault**. Simvastatin impairs exercise training adaptations. *J Am Coll Cardiol.* 2013 Aug 20;62(8):709-14

6. E Matthew Morris, MR Jackman, GC Johnson, TW Liu, JL Lopez, ML Kearney, JA Fletcher, G.M.E. Meers, LG Koch, SL Britton, RS Rector, JA Ibdah, PS MacLean, and **JP Thyfault**. Intrinsic Aerobic Capacity Impacts Susceptibility to Acute High-fat Diet-induced Hepatic Steatosis. *Am J Physiol Endocrinol Metab.* 2014 Aug 15:307(4):E355-64.