



# INTESTINAL TRIGLYCERIDE METABOLISM: STORAGE AND SECRETION

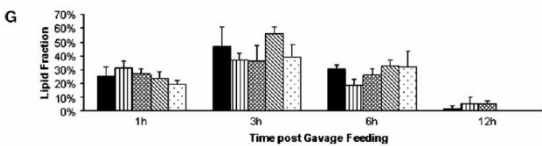
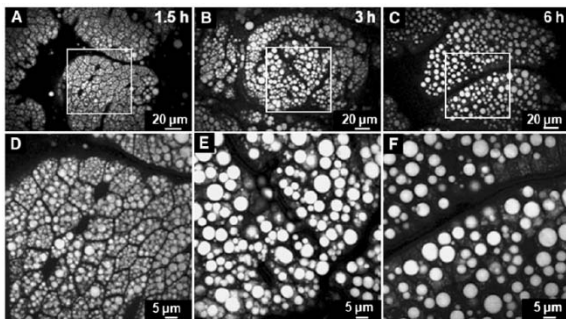
GUEST LECTURE by



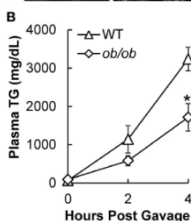
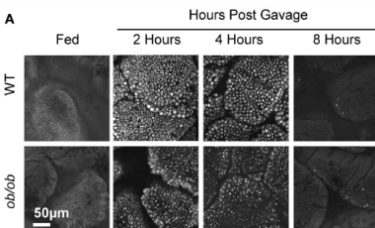
**Prof. Kimberly Buhman, PhD**  
Department of Nutrition Science,  
Purdue University, West Lafayette, USA

Thursday, 02.03.2017  
17:00

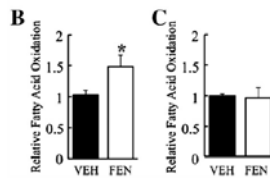
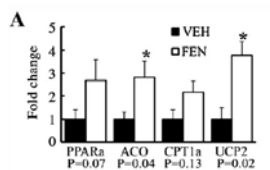
SR 07.11, Preclinics, MUG  
(Harrachgasse 21, 1<sup>st</sup> floor)



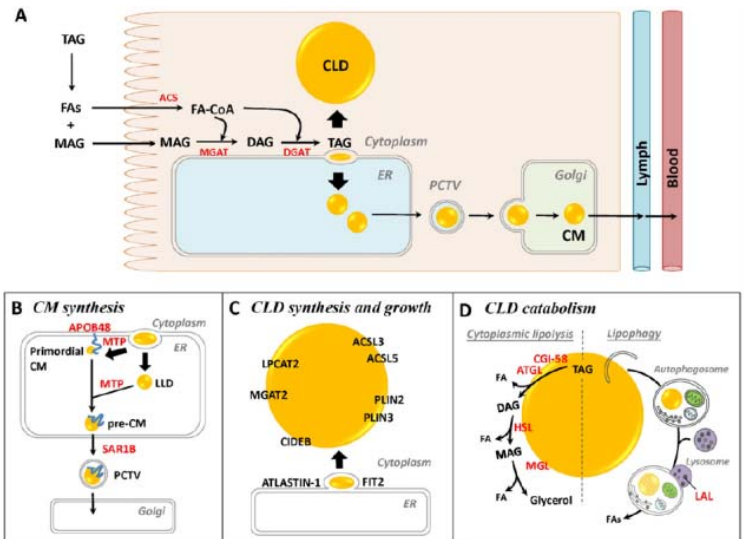
*In vivo* CARS imaging demonstrates dynamic accumulation and depletion of triglycerides in cytoplasmic lipid droplets during the process of dietary fat absorption. Zhu et al. (2009) J Lipid Res 50:1080-9



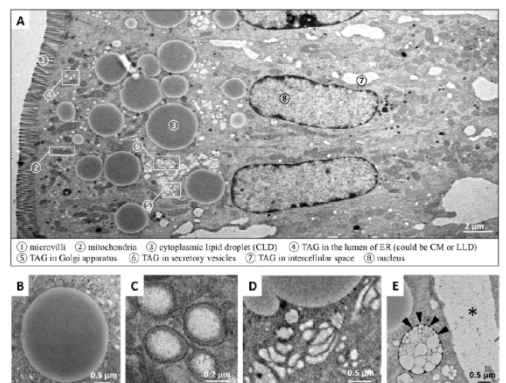
Triglyceride storage and secretion in response to dietary fat in *ob/ob* compared to lean mice. Uchida et al. (2012) Front Physiol 3(26):1-10



Fenofibrate increases fatty acid oxidation in intestinal mucosa of high fat fed mice. Uchida et al. (2011) Biochim Biophys Acta 1811:170-6



Molecular mechanisms of dietary fat absorption within enterocytes. D'Aquila et al. (2016) Biochim Biophys Acta 1861:730-47



Transmission electron micrographs of enterocytes during active dietary fat absorption. D'Aquila et al. (2016) Biochim Biophys Acta 1861:730-47