



Emilio Mottillo

Henry Ford Hospital, USA

• Education

Period	Affiliation	Position
– 2008-2013	Pathology, Wayne State University School of Medicine, Detroit, MI, USA	Ph.D.
– 2001-2003	Biological Sciences, University of Windsor, Windsor, ON, Canada	M.Sc.
– 1996-2001	Biological Sciences, University of Windsor, Windsor, ON, Canada	B.Sc.

• Affiliations / Experience

Period	Affiliation	Position
– 2023-Present	Henry Ford Hospital, Detroit, MI, USA	Associate Scientist
– 2020-Present	Physiology, Wayne State University	Assistant Professor Full-time Affiliate
– 2019-2023	Henry Ford Hospital, Detroit, MI, USA	Assistant Scientist

• Committee Memberships

- Anamika Sharma, Doctoral
- Chisom Onu, Doctoral
- Diabetes Endocrinology and Metabolic Diseases, NIDDK, National Institutes of Health (NIH)

• Publications

- Guohua Chen, Zhou G., Zai L., Bao X., Li J., Tiwari N., Mottillo E.P. and Jian Wang. Serine catabolism reduces fatty liver but promotes liver inflammation and fibrosis in mice. *Commun.* 12;7(1):173. doi: 10.1038/s42003-024-05861-y
- Rahman A.A., Butcko J.A., Songyekutu E., Granneman J.G., and Mottillo E.P. Direct effects of adipocyte lipolysis on AMPK through intracellular long-chain acyl-CoA signaling. *Scientific Reports.* 2; 14(1):19. doi: 10.1038/s41598-023-50903-w
- Mottillo E.P., Ljiljana Mladenovic-Lucas, Huamei Zhang, Li Zhou Christopher V. Kelly, Pablo A. Ortiz and James G. Granneman. A FRET sensor for the real-time detection of long chain acyl-CoAs and synthetic ABHD5 ligands. *Cell Reports Methods*
- Kim H, Wei J, Song Z, Mottillo E.P., Samavati L, Zhang R, Li L, Chen X, Jena BP, Lin JD, Fang D, Zhang K. Regulation of hepatic circadian metabolism by the E3 ubiquitin ligase HRD1-controlled CREBH/PPARα transcriptional program. *Mol Metab.* 49:101192. PMID:33592335; PMCID: PMC7966871. Role: study conception, design, implementation. IF: 8.57 Citations: 11
- Mottillo E.P., Huamei Zhang, Alexander Yang, Li Zhou and James G. Granneman. Genetically -encoded Sensors to detect fatty acid production and trafficking. *Mol Metab.* 29:55-64. &Corresponding author. PMID: 31668392 IF: 8.57 Citations: 11