

Publications

Recent Publications

SNg Y, Tan S, Chia SY, Sun L, Hong W, Han W:

HoxC10 suppresses browning of white adipose tissue.

Experimental & Molecular Medicine 49(2):e292, February 10, 2017.

Ulyanova A, To XV, Asad AB, Han W, Chuang KH:

MEMRI detects neuronal activity and connectivity in hypothalamic neural circuit responding to leptin.

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Mao L, Nie B, Nie T, Hui X, Gao X, Lin X, Liu X, Xu Y, Tang X, Yuan R, Li K, Li P, Ding K, Wang Y, Xu A, Fei J, Han W, Liu P, Madsen L, Kristiansen K, Zhou Z, Ding S, Wu D: Visualization and quantification of browning using a UCP1-2A-Luciferase knock-in mouse model.

Diabetes 66(2):407-417, February, 2017.

Sorrenson B, Cognard E, Lee KL, Dissanayake WC, Fu Y, Han W, Hughes WE, Shepherd PR: A critical role for b-catenin in modulating levels of insulin secretion from b-cells by regulating actin cytoskeleton and insulin vesicle localization.

The Journal of Biological Chemistry 291(50):25888-25900, December 9, 2016.

Liu T, Li H, Hong W, Han W:

BIG3 is localized in lysosomes and regulates inhibitory synaptic transmission in hippocampal neurons.

The Journal of Neurochemistry 139(5):748-756, December, 2016.

Li H, Kek HC, Lim J, Gelling RW, Han W:

Green tea (-)-epigallocatechin-3-gallate corrects high-fat diet induced feeding disorders in mice.

Molecular Nutrition and Food Research 60(12):2565-2575, December, 2016.

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Chen N, Sugihara H, Kim J, Fu Z, Barak B, Sur M, Feng G*, Han W*:
Direct modulation of GFAP-expressing glia in the Arcuate nucleus bi-directionally regulates feeding.

E-Life 5:e18716, October 18, 2016. (*Co-corresponding authors)

Lim YC, Chia SY, Jin S, Han W, Ding C, Sun L:
Dynamic DNA methylation landscape defines brown and white cell specificity during adipogenesis.

Molecular Metabolism 5(10):1033-1041, August 17, 2016.

Kim S-Y, Sim CK, Zhang Q, Tang H, Brunmeir R, Pan H, Karnani N, Han W, Zhang K, Xu F:
An alternative strategy for pan-acetyl-lysine antibody generation.

PLoS One 11(9):e0162528, September 8, 2016.

Bai B, Man AW, Yang K, Guo Y, Xu C, Tse HF, Han W, Bloksgaard M, De Mey JG, Vanhoutte PM, Xu A, Wang Y:
Endothelial SIRT1 prevents adverse arterial remodeling by facilitating HERC2-mediated degradation of acetylated LKB1.

Oncotarget 7(26):39065-39081, June 28, 2016.

Kim S-Y, Sim KC, Tang H, Han W, Zhang K, Xu F:
Acetylome study in mouse adipocytes identifies targets of SIRT1 deacetylation in chromatin organization and RNA processing.

Archives of Biochemistry and Biophysics 598:1-10, 2016.

Takeda K, Sriram S, Chan DXH, Ong WK, Yeo CR, Tan B, Lee SA, Kong KV, Hoon S, Jiang H, Yuen JJ, Perumal J, Agrawal M, Vaz C, So J, Shabbir A, Blaner WS, Olivo M, Han W, Tanavde V, Toh SA, Sugii S:
Retinoic acid mediates visceral-specific adipogenic defects of human adipose-derived stem cells.

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Regulation of Brian-Derived Neurotrophic Factor exocytosis and Gamma-Aminobutyric Acidergic interneuron synapse by the schizophrenia susceptibility gene dysbindin-1.
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Synaptotagmin-7 is a GLP-1 effector in its potentiation of glucose-stimulated insulin secretion.
Proceedings of the National Academy of Sciences of the United States of America 112(32):9996-10001, 2015. (*co-corresponding authors)

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Kim JI, Huh JY, Sohn JH, Choe SS, Lee YS, Lim CY, Jo A, Park SB, Han W, Kim JB:
Lipid-overloaded enlarged adipocytes provoke insulin resistance independent of inflammation.
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Molecular Metabolism 4(3):246-252, 2015.

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Increasing release time of antibiotics from bone allografts through a novel biodegradable coating.
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