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Transcriptome profiling of brown adipose tissue during cold exposure reveals extensive regulation of glucose metabolism

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#	Paper	IF	Citations
95	Comprehensive molecular characterization of human adipocytes reveals a transient brown phenotype. <i>Journal of Translational Medicine</i> , 2015 , 13, 135	8.5	24
94	Changes in white and brown adipose tissue microRNA expression in cold-induced mice. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 463, 193-9	3.4	17
93	RNA-Seq and Mass-Spectrometry-Based Lipidomics Reveal Extensive Changes of Glycerolipid Pathways in Brown Adipose Tissue in Response to Cold. <i>Cell Reports</i> , 2015 , 13, 2000-13	10.6	43
92	Intermittent cold exposure improves glucose homeostasis associated with brown and white adipose tissues in mice. <i>Life Sciences</i> , 2015 , 139, 153-9	6.8	11
91	Differential Role of Adipose Tissues in Obesity and Related Metabolic and Vascular Complications. <i>International Journal of Endocrinology</i> , 2016 , 2016, 1216783	2.7	93
90	Bone Marrow Adipose Tissue: To Be or Not To Be a Typical Adipose Tissue?. <i>Frontiers in Endocrinology</i> , 2016 , 7, 85	5.7	110
89	mTORC2 sustains thermogenesis via Akt-induced glucose uptake and glycolysis in brown adipose tissue. <i>EMBO Molecular Medicine</i> , 2016 , 8, 232-46	12	79
88	Brown and Beige Adipose Tissue: Therapy for Obesity and Its Comorbidities?. <i>Endocrinology and Metabolism Clinics of North America</i> , 2016 , 45, 605-21	5.5	23
87	mTORC1 is Required for Brown Adipose Tissue Recruitment and Metabolic Adaptation to Cold. <i>Scientific Reports</i> , 2016 , 6, 37223	4.9	40
86	The lipid sensor GPR120 promotes brown fat activation and FGF21 release from adipocytes. <i>Nature Communications</i> , 2016 , 7, 13479	17.4	122
85	A BAT-Centric Approach to the Treatment of Diabetes: Turn on the Brain. <i>Cell Metabolism</i> , 2016 , 24, 31-40	11.6	23
84	White-to-brite conversion in human adipocytes promotes metabolic reprogramming towards fatty acid anabolic and catabolic pathways. <i>Molecular Metabolism</i> , 2016 , 5, 352-365	8.8	87
83	Elapachone Prevents Diet-Induced Obesity by Increasing Energy Expenditure and Stimulating the Browning of White Adipose Tissue via Downregulation of miR-382 Expression. <i>Diabetes</i> , 2016 , 65, 2490-501	6.9	26
82	Brown but not white adipose cells synthesize omega-3 docosahexaenoic acid in culture. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2016 , 104, 19-24	2.8	8
81	Role of Brown Fat in Lipoprotein Metabolism and Atherosclerosis. <i>Circulation Research</i> , 2016 , 118, 173-82	5.7	106
80	The early metabolomic response of adipose tissue during acute cold exposure in mice. <i>Scientific Reports</i> , 2017 , 7, 3455	4.9	31
79	Metabolic Responses to the Yukon Arctic Ultra: Longest and Coldest in the World. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 357-362	1.2	12

78	Beyond obesity - thermogenic adipocytes and cardiometabolic health. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2017 , 31,	1.3	4
77	The cold-induced lipokine 12,13-diHOME promotes fatty acid transport into brown adipose tissue. <i>Nature Medicine</i> , 2017 , 23, 631-637	50.5	195
76	Genome-Wide Insights into the Development and Function of Thermogenic Adipocytes. <i>Trends in Endocrinology and Metabolism</i> , 2017 , 28, 104-120	8.8	22
75	MCT1 and MCT4 Expression and Lactate Flux Activity Increase During White and Brown Adipogenesis and Impact Adipocyte Metabolism. <i>Scientific Reports</i> , 2017 , 7, 13101	4.9	36
74	Regulation of glycolysis in brown adipocytes by HIF-1. <i>Scientific Reports</i> , 2017 , 7, 4052	4.9	26
73	Adipose HIF-1 causes obesity by suppressing brown adipose tissue thermogenesis. <i>Journal of Molecular Medicine</i> , 2017 , 95, 287-297	5.5	27
72	Pharmacologic activation of estrogen receptor increases mitochondrial function, energy expenditure, and brown adipose tissue. <i>FASEB Journal</i> , 2017 , 31, 266-281	0.9	30
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67	Effects of Acute Cold Stress on Liver -GlcNAcylation and Glycometabolism in Mice. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	17
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55	Cold-induced lipid dynamics and transcriptional programs in white adipose tissue. <i>BMC Biology</i> , 2019 , 17, 74	7.3	29
54	Lipokines and Thermogenesis. <i>Endocrinology</i> , 2019 , 160, 2314-2325	4.8	15
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1	ADO-MEDIATED SYNTHESIS OF TAURINE ALTERS THE CHROMATIN LANDSCAPE OF INGUINAL ADIPOSE TISSUE TO ENHANCE NON-SHIVERING THERMOGENESIS.		0