

# CITATION REPORT

List of articles citing

## Comparative epigenomic analysis of murine and human adipogenesis

DOI: 10.1016/j.cell.2010.09.006  
Cell, 2010, 143, 156-69.

**Source:** <https://exaly.com/paper-pdf/49540838/citation-report.pdf>

**Version:** 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
432	Genome-wide analysis of glucocorticoid receptor binding regions in adipocytes reveal gene network involved in triglyceride homeostasis. <i>PLoS ONE</i> , <b>2010</b> , 5, e15188	3.7	126
431	Tiling histone H3 lysine 4 and 27 methylation in zebrafish using high-density microarrays. <i>PLoS ONE</i> , <b>2010</b> , 5, e15651	3.7	23
430	Epigenetic signatures distinguish multiple classes of enhancers with distinct cellular functions. <i>Genome Research</i> , <b>2011</b> , 21, 1273-83	9.7	402
429	Adipogenesis at a glance. <b>2011</b> , 124, 2681-6		246
428	Identifying novel transcriptional components controlling energy metabolism. <b>2011</b> , 14, 739-45		20
427	Genome-wide interplay of nuclear receptors with the epigenome. <b>2011</b> , 1812, 818-23		22
426	Molecular basis for gene-specific transactivation by nuclear receptors. <b>2011</b> , 1812, 824-35		55
425	High conservation of transcription factor binding and evidence for combinatorial regulation across six <i>Drosophila</i> species. <b>2011</b> , 43, 414-20		102
424	Forming functional fat: a growing understanding of adipocyte differentiation. <b>2011</b> , 12, 722-34		891
423	Genome-wide CTCF distribution in vertebrates defines equivalent sites that aid the identification of disease-associated genes. <b>2011</b> , 18, 708-14		77
422	Extensive chromatin remodelling and establishment of transcription factor 'hotspots' during early adipogenesis. <b>2011</b> , 30, 1459-72		262
421	Adipogenic hotspots: where the action is. <b>2011</b> , 30, 1418-9		6
420	A compendium of genome-wide hematopoietic transcription factor maps supports the identification of gene regulatory control mechanisms. <b>2011</b> , 39, 531-41		40
419	Epigenetic codes of PPAR $\alpha$ in metabolic disease. <b>2011</b> , 585, 2121-8		77
418	Chromatin immunoprecipitation and high-throughput sequencing from paraffin-embedded pathology tissue. <b>2011</b> , 6, 1905-19		47
417	Allele-specific transcriptional elongation regulates monoallelic expression of the IGF2BP1 gene. <b>2011</b> , 4, 14		7
416	Cross species comparison of C/EBP $\beta$ and PPAR $\alpha$ profiles in mouse and human adipocytes reveals interdependent retention of binding sites. <b>2011</b> , 12, 152		74

415	Transcription factor interactions in genomic nuclear receptor function. <b>2011</b> , 3, 471-85	19
414	Adipogenic histone mark regulation by matrix metalloproteinase 14 in collagen-rich microenvironments. <b>2011</b> , 25, 745-53	17
413	Species-specific strategies underlying conserved functions of metabolic transcription factors. <b>2011</b> , 25, 694-706	48
412	miR-130 suppresses adipogenesis by inhibiting peroxisome proliferator-activated receptor gamma expression. <b>2011</b> , 31, 626-38	265
411	Repressor transcription factor 7-like 1 promotes adipogenic competency in precursor cells. <b>2011</b> , 108, 16271-6	33
410	Prediction of regulatory interactions from genome sequences using a biophysical model for the Arabidopsis LEAFY transcription factor. <b>2011</b> , 23, 1293-306	124
409	Global mapping of cell type-specific open chromatin by FAIRE-seq reveals the regulatory role of the NFI family in adipocyte differentiation. <b>2011</b> , 7, e1002311	89
408	Coordinated Regulation of PPAR $\alpha$ Expression and Activity through Control of Chromatin Structure in Adipogenesis and Obesity. <b>2012</b> , 2012, 164140	30
407	Regulation of early adipose commitment by Zfp521. <b>2012</b> , 10, e1001433	90
406	Double SET point: G9a makes its mark in adipogenesis. <b>2013</b> , 32, 4-6	2
405	Extensive evolutionary changes in regulatory element activity during human origins are associated with altered gene expression and positive selection. <b>2012</b> , 8, e1002789	85
404	Epigenetic regulation of adipogenesis. <b>2012</b> , 15, 342-9	38
403	Dataset integration identifies transcriptional regulation of microRNA genes by PPAR $\alpha$ in differentiating mouse 3T3-L1 adipocytes. <b>2012</b> , 40, 4446-60	60
402	Cross-species CHIP-seq studies provide insights into regulatory strategies of PPAR $\alpha$ in adipocytes. <b>2012</b> , 3, 19-24	5
401	Genome-wide identification of enhancers in skeletal muscle: the role of MyoD1. <b>2012</b> , 26, 2763-79	115
400	New insights into adipocyte-specific leptin gene expression. <i>Adipocyte</i> , <b>2012</b> , 1, 168-172	3,2 22
399	Zbtb16 has a role in brown adipocyte bioenergetics. <b>2012</b> , 2, e46	41
398	Evolutionary conservation of histone modifications in mammals. <b>2012</b> , 29, 1757-67	37

397	An Evi1-C/EBP $\beta$ complex controls peroxisome proliferator-activated receptor $\beta$ gene expression to initiate white fat cell differentiation. <b>2012</b> , 32, 2289-99		19
396	Identification of a binding motif specific to HNF4 by comparative analysis of multiple nuclear receptors. <b>2012</b> , 40, 5343-56		74
395	Minireview: applications of next-generation sequencing on studies of nuclear receptor regulation and function. <b>2012</b> , 26, 1651-9		9
394	Dynamic epigenetic enhancer signatures reveal key transcription factors associated with monocytic differentiation states. <b>2012</b> , 119, e161-71		106
393	PPARs: fatty acid sensors controlling metabolism. <b>2012</b> , 23, 631-9		291
392	DNA-protein interactions in high definition. <i>Genome Biology</i> , <b>2012</b> , 13, 139	18.3	1
391	EpiExplorer: live exploration and global analysis of large epigenomic datasets. <i>Genome Biology</i> , <b>2012</b> , 13, R96	18.3	63
390	The epigenome and its role in diabetes. <b>2012</b> , 12, 673-85		22
389	Role of DNA methylation in the regulation of lipogenic glycerol-3-phosphate acyltransferase 1 gene expression in the mouse neonatal liver. <b>2012</b> , 61, 2442-50		41
388	Combinatorial assembly of developmental stage-specific enhancers controls gene expression programs during human erythropoiesis. <b>2012</b> , 23, 796-811		138
387	Consecutive positive feedback loops create a bistable switch that controls preadipocyte-to-adipocyte conversion. <b>2012</b> , 2, 976-90		57
386	Feed-forward inhibition of androgen receptor activity by glucocorticoid action in human adipocytes. <b>2012</b> , 19, 1126-41		24
385	Genome-wide profiling of peroxisome proliferator-activated receptor $\beta$ in primary epididymal, inguinal, and brown adipocytes reveals depot-selective binding correlated with gene expression. <b>2012</b> , 32, 3452-63		93
384	Transcriptional networks and chromatin remodeling controlling adipogenesis. <b>2012</b> , 23, 56-64		199
383	Adipose tissue stem cells: the great WAT hope. <b>2012</b> , 23, 270-7		75
382	Epigenome Changes During Development. <b>2012</b> , 77-103		3
381	A protective strategy against hyperinflammatory responses requiring the nontranscriptional actions of GPS2. <b>2012</b> , 46, 91-104		41
380	Controlling a master switch of adipocyte development and insulin sensitivity: covalent modifications of PPAR $\alpha$ <b>2012</b> , 1822, 1090-5		64

379	Epigenetic regulation of adipogenesis by histone methylation. <b>2012</b> , 1819, 727-32		71
378	Epigenetic complexity during the zebrafish mid-blastula transition. <i>Biochemical and Biophysical Research Communications</i> , <b>2012</b> , 417, 1139-44	3-4	23
377	Waves of retrotransposon expansion remodel genome organization and CTCF binding in multiple mammalian lineages. <i>Cell</i> , <b>2012</b> , 148, 335-48	56.2	390
376	Comparative epigenomic annotation of regulatory DNA. <i>Cell</i> , <b>2012</b> , 149, 1381-92	56.2	157
375	Metazoan promoters: emerging characteristics and insights into transcriptional regulation. <b>2012</b> , 13, 233-45		347
374	A computational pipeline for comparative ChIP-seq analyses. <b>2011</b> , 7, 45-61		88
373	Reduced histone H3K9 acetylation of clock genes and abnormal glucose metabolism in ob/ob mice. <b>2012</b> , 29, 982-93		13
372	Dynamic and distinct histone modifications modulate the expression of key adipogenesis regulatory genes. <b>2012</b> , 11, 4310-22		57
371	Histone H3K9 methyltransferase G9a represses PPAR $\alpha$ expression and adipogenesis. <b>2013</b> , 32, 45-59		145
370	Transcription factor binding at enhancers: shaping a genomic regulatory landscape in flux. <b>2012</b> , 3, 195		29
369	Integrative genomics identifies the corepressor SMRT as a gatekeeper of adipogenesis through the transcription factors C/EBP $\alpha$ and KAISO. <b>2012</b> , 46, 335-50		62
368	Dynamic hydroxymethylation of deoxyribonucleic acid marks differentiation-associated enhancers. <b>2012</b> , 40, 8255-65		146
367	Developmental origins of the adipocyte lineage: new insights from genetics and genomics studies. <b>2012</b> , 8, 55-66		86
366	Epigenom-Karten erstellen und nutzen. <b>2012</b> , 18, 138-141		
365	Emerging roles of zinc finger proteins in regulating adipogenesis. <b>2013</b> , 70, 4569-84		51
364	Genome-wide map of quantified epigenetic changes during in vitro chondrogenic differentiation of primary human mesenchymal stem cells. <b>2013</b> , 14, 105		61
363	Acute genome-wide effects of rosiglitazone on PPAR $\alpha$ transcriptional networks in adipocytes. <b>2013</b> , 27, 1536-49		43
362	Identification and analysis of murine pancreatic islet enhancers. <b>2013</b> , 56, 542-52		38

361	An aberrant transcription factor network essential for Wnt signaling and stem cell maintenance in glioblastoma. <b>2013</b> , 3, 1567-79		187
360	Early B-cell factor-1 (EBF1) is a key regulator of metabolic and inflammatory signaling pathways in mature adipocytes. <b>2013</b> , 288, 35925-39		31
359	Lamin A/C-promoter interactions specify chromatin state-dependent transcription outcomes. <i>Genome Research</i> , <b>2013</b> , 23, 1580-9	9.7	135
358	Genomic and epigenomic regulation of adipose tissue inflammation in obesity. <b>2013</b> , 24, 625-34		32
357	Beyond the ENCODE project: using genomics and epigenomics strategies to study enhancer evolution. <b>2013</b> , 368, 20130022		14
356	Genome-wide map of nuclear protein degradation shows NCoR1 turnover as a key to mitochondrial gene regulation. <i>Cell</i> , <b>2013</b> , 155, 1380-95	56.2	40
355	Early adipogenesis is regulated through USP7-mediated deubiquitination of the histone acetyltransferase TIP60. <i>Nature Communications</i> , <b>2013</b> , 4, 2656	17.4	44
354	Global differences in specific histone H3 methylation are associated with overweight and type 2 diabetes. <b>2013</b> , 5, 15		30
353	Mapping human epigenomes. <i>Cell</i> , <b>2013</b> , 155, 39-55	56.2	405
352	What obesity research tells us about epigenetic mechanisms. <b>2013</b> , 368, 20110337		72
351	Long noncoding RNAs regulate adipogenesis. <b>2013</b> , 110, 3387-92		315
350	Analysis of in vitro insulin-resistance models and their physiological relevance to in vivo diet-induced adipose insulin resistance. <b>2013</b> , 5, 259-70		66
349	EBF2 determines and maintains brown adipocyte identity. <b>2013</b> , 17, 562-74		244
348	Absolute quantification of transcription factors during cellular differentiation using multiplexed targeted proteomics. <b>2013</b> , 10, 570-6		72
347	Uniform, optimal signal processing of mapped deep-sequencing data. <b>2013</b> , 31, 615-22		105
346	The evolution of lineage-specific regulatory activities in the human embryonic limb. <i>Cell</i> , <b>2013</b> , 154, 185-96.2	56.2	149
345	Transcriptional and epigenetic dynamics during specification of human embryonic stem cells. <i>Cell</i> , <b>2013</b> , 153, 1149-63	56.2	332
344	Bridging epigenomics and complex disease: the basics. <b>2013</b> , 70, 1609-21		29

343	Oslo Epigenetics Symposium 2012. Oslo, Norway, 8-9 November 2012. <b>2013</b> , 5, 29-32		
342	Chromatin and epigenetic features of long-range gene regulation. <b>2013</b> , 41, 7185-99		87
341	Understanding variation in transcription factor binding by modeling transcription factor genome-epigenome interactions. <b>2013</b> , 9, e1003367		23
340	Enabling interspecies epigenomic comparison with CEpBrowser. <b>2013</b> , 29, 1223-5		5
339	The orphan nuclear receptors at their 25-year reunion. <b>2013</b> , 51, T115-40		66
338	DNMT1 is regulated by ATP-citrate lyase and maintains methylation patterns during adipocyte differentiation. <b>2013</b> , 33, 3864-78		71
337	RNA-seq identified a super-long intergenic transcript functioning in adipogenesis. <b>2013</b> , 10, 991-1001		25
336	Nuclear lamins: making contacts with promoters. <b>2013</b> , 4, 424-30		21
335	The role of MyoD1 and histone modifications in the activation of muscle enhancers. <b>2013</b> , 8, 778-84		36
334	Adipogenic transcriptome profiling using high throughput technologies. <b>2013</b> , 1, 22-8		11
333	Dual functions of TAF7L in adipocyte differentiation. <b>2013</b> , 2, e00170		29
332	PLZF expression during colorectal cancer development and in normal colorectal mucosa according to body size, as marker of colorectal cancer risk. <b>2013</b> , 2013, 630869		13
331	Quantitative dynamic modelling of the gene regulatory network controlling adipogenesis. <i>PLoS ONE</i> , <b>2014</b> , 9, e110563	3-7	2
330	Multi-species, multi-transcription factor binding highlights conserved control of tissue-specific biological pathways. <b>2014</b> , 3, e02626		62
329	Integrated analysis of transcript-level regulation of metabolism reveals disease-relevant nodes of the human metabolic network. <b>2014</b> , 42, 1474-96		35
328	Methylome, transcriptome, and PPAR( $\alpha$ )cistrome analyses reveal two epigenetic transitions in fat cells. <b>2014</b> , 9, 1195-206		8
327	Combinatorial regulation of lipoprotein lipase by microRNAs during mouse adipogenesis. <b>2014</b> , 11, 76-91		21
326	Histone H3 K27 acetylation marks a potent enhancer element on the adipogenic master regulator gene Pparg2. <b>2014</b> , 13, 3414-22		9

325	Altered chromatin occupancy of master regulators underlies evolutionary divergence in the transcriptional landscape of erythroid differentiation. <b>2014</b> , 10, e1004890		33
324	Rho-actin signaling to the MRTF coactivators dominates the immediate transcriptional response to serum in fibroblasts. <b>2014</b> , 28, 943-58		219
323	A wavelet approach to detect enriched regions and explore epigenomic landscapes. <b>2014</b> , 21, 846-54		4
322	Activation of muscle enhancers by MyoD and epigenetic modifiers. <b>2014</b> , 115, 1855-67		11
321	Comparative epigenomics: defining and utilizing epigenomic variations across species, time-course, and individuals. <b>2014</b> , 6, 345-52		6
320	Identification of novel transcription factors in osteoclast differentiation using genome-wide analysis of open chromatin determined by DNase-seq. <b>2014</b> , 29, 1823-32		25
319	Genomic occupancy of Runx2 with global expression profiling identifies a novel dimension to control of osteoblastogenesis. <i>Genome Biology</i> , <b>2014</b> , 15, R52	18.3	95
318	A dynamic CTCF chromatin binding landscape promotes DNA hydroxymethylation and transcriptional induction of adipocyte differentiation. <b>2014</b> , 42, 10943-59		52
317	A hyper-dynamic nature of bivalent promoter states underlies coordinated developmental gene expression modules. <b>2014</b> , 15, 1186		11
316	Genome-wide analysis of histone modifications in human endometrial stromal cells. <b>2014</b> , 28, 1656-69		38
315	Epigenetic modifications are associated with inter-species gene expression variation in primates. <i>Genome Biology</i> , <b>2014</b> , 15, 547	18.3	49
314	Transcriptional regulatory network analysis of the over-expressed genes in adipose tissue. <b>2014</b> , 36, 105-117		13
313	Evolution of transcription factor binding in metazoans - mechanisms and functional implications. <b>2014</b> , 15, 221-33		143
312	A wavelet-based method to exploit epigenomic language in the regulatory region. <b>2014</b> , 30, 908-14		6
311	Epidermal Wnt/ $\beta$ -catenin signaling regulates adipocyte differentiation via secretion of adipogenic factors. <b>2014</b> , 111, E1501-9		101
310	PPAR $\gamma$ and the global map of adipogenesis and beyond. <b>2014</b> , 25, 293-302		338
309	IKK $\beta$ links vascular inflammation to obesity and atherosclerosis. <b>2014</b> , 211, 869-86		41
308	Chromatin modifiers and remodellers: regulators of cellular differentiation. <b>2014</b> , 15, 93-106		419



307	Leveraging cross-species transcription factor binding site patterns: from diabetes risk loci to disease mechanisms. <i>Cell</i> , <b>2014</b> , 156, 343-58	56.2	96
306	Peroxisome proliferator-activated receptor $\beta$ regulates genes involved in insulin/insulin-like growth factor signaling and lipid metabolism during adipogenesis through functionally distinct enhancer classes. <b>2014</b> , 289, 708-22		32
305	What we talk about when we talk about fat. <i>Cell</i> , <b>2014</b> , 156, 20-44	56.2	1319
304	The obesogen tributyltin. <b>2014</b> , 94, 277-325		33
303	Peroxisome proliferator-activated receptor $\beta$ and C/EBP $\beta$ synergistically activate key metabolic adipocyte genes by assisted loading. <b>2014</b> , 34, 939-54		126
302	Closing the (nuclear) envelope on the genome: how nuclear lamins interact with promoters and modulate gene expression. <b>2014</b> , 36, 75-83		41
301	Impaired leptin gene expression and release in cultured preadipocytes isolated from individuals born with low birth weight. <b>2014</b> , 63, 111-21		38
300	Gcn5 and PCAF regulate PPAR $\beta$ and Prdm16 expression to facilitate brown adipogenesis. <b>2014</b> , 34, 3746-53		40
299	Heritability of fat accumulation in white adipocytes. <b>2014</b> , 307, E335-44		17
298	Integrating epigenetic marks for identification of transcriptionally active miRNAs. <b>2014</b> , 104, 70-8		2
297	Comparative analysis of regulatory information and circuits across distant species. <b>2014</b> , 512, 453-6		135
296	Metabolic dysfunction drives a mechanistically distinct proinflammatory phenotype in adipose tissue macrophages. <b>2014</b> , 20, 614-25		443
295	GPS2/KDM4A pioneering activity regulates promoter-specific recruitment of PPAR $\alpha$ <b>2014</b> , 8, 163-76		40
294	Glucocorticoid receptor coordinates transcription factor-dominated regulatory network in macrophages. <b>2014</b> , 15, 656		60
293	Improved methodologies for the study of adipose biology: insights gained and opportunities ahead. <b>2014</b> , 55, 605-24		54
292	Transcriptional and epigenetic regulation of PPAR $\beta$ expression during adipogenesis. <b>2014</b> , 4, 29		140
291	Genome-wide profiling of transcription factor binding and epigenetic marks in adipocytes by CHIP-seq. <b>2014</b> , 537, 261-79		20
290	Epigenetics in adipose tissue, obesity, weight loss, and diabetes. <b>2014</b> , 5, 71-81		123

289	Transcriptional and epigenetic mechanisms underlying enhanced in vitro adipocyte differentiation by the brominated flame retardant BDE-47. <b>2014</b> , 48, 4110-9	86
288	InVivo and inVitro dynamics of undifferentiated embryonic cell transcription factor 1. <b>2014</b> , 2, 245-52	9
287	Highly efficient differentiation of embryonic stem cells into adipocytes by ascorbic acid. <b>2014</b> , 13, 88-97	31
286	The regulatory landscape of osteogenic differentiation. <b>2014</b> , 32, 2780-93	72
285	Transcription factor cooperativity in early adipogenic hotspots and super-enhancers. <b>2014</b> , 7, 1443-1455	163
284	Promyelocytic leukemia zinc-finger induction signs mesenchymal stem cell commitment: identification of a key marker for stemness maintenance?. <b>2014</b> , 5, 27	5
283	Promyelocytic leukemia zinc finger mediates glucocorticoid-induced cell cycle arrest in the chondroprogenitor cell line ATDC5. <b>2015</b> , 417, 114-23	8
282	Nonparametric Tests for Differential Histone Enrichment with ChIP-Seq Data. <b>2015</b> , 14, 11-22	2
281	ATF4 licenses C/EBP $\beta$ activity in human mesenchymal stem cells primed for adipogenesis. <b>2015</b> , 4, e06821	31
280	Potential of adipose-derived stem cells in muscular regenerative therapies. <b>2015</b> , 7, 123	41
279	Discovery and Fine-Mapping of Glycaemic and Obesity-Related Trait Loci Using High-Density Imputation. <b>2015</b> , 11, e1005230	59
278	c-Myb Binding Sites in Haematopoietic Chromatin Landscapes. <i>PLoS ONE</i> , <b>2015</b> , 10, e0133280	3-7 18
277	Genome-wide analysis of DNA methylation and gene expression patterns in purified, uncultured human liver cells and activated hepatic stellate cells. <b>2015</b> , 6, 26729-45	48
276	A Genome-Wide Perspective on Metabolism. <b>2016</b> , 233, 1-28	3
275	Transcription Factor Tfe3 Directly Regulates Pgc-1alpha in Muscle. <b>2015</b> , 230, 2330-6	24
274	Genome-wide co-occupancy of AML1-ETO and N-CoR defines the t(8;21) AML signature in leukemic cells. <b>2015</b> , 16, 309	25
273	Dynamic changes in histone modifications precede de novo DNA methylation in oocytes. <b>2015</b> , 29, 2449-62	119
272	Functional Genomics Analysis of Big Data Identifies Novel Peroxisome Proliferator-Activated Receptor $\beta$ Target Single Nucleotide Polymorphisms Showing Association With Cardiometabolic Outcomes. <b>2015</b> , 8, 842-51	1

271	The ubiquitous transcription factor CTCF promotes lineage-specific epigenomic remodeling and establishment of transcriptional networks driving cell differentiation. <b>2015</b> , 6, 15-8		4
270	Transcription factor binding dynamics during human ES cell differentiation. <b>2015</b> , 518, 344-9		232
269	Enhancer evolution across 20 mammalian species. <i>Cell</i> , <b>2015</b> , 160, 554-66	56.2	422
268	Myocardin-related transcription factor A regulates conversion of progenitors to beige adipocytes. <i>Cell</i> , <b>2015</b> , 160, 105-18	56.2	103
267	Chromatin Changes at the PPAR- $\alpha$ Promoter During Bone Marrow-Derived Multipotent Stromal Cell Culture Correlate With Loss of Gene Activation Potential. <b>2015</b> , 33, 2169-81		12
266	Obesity and genomics: role of technology in unraveling the complex genetic architecture of obesity. <b>2015</b> , 134, 361-74		21
265	Molecular basis of Klotho: from gene to function in aging. <b>2015</b> , 36, 174-93		223
264	Evolutionary genomics. Evolutionary changes in promoter and enhancer activity during human corticogenesis. <b>2015</b> , 347, 1155-9		159
263	Biologic Responses to Weight Loss and Weight Regain: Report From an American Diabetes Association Research Symposium. <b>2015</b> , 64, 2299-309		33
262	Integrative Analyses of Human Reprogramming Reveal Dynamic Nature of Induced Pluripotency. <i>Cell</i> , <b>2015</b> , 162, 412-424	56.2	148
261	Genetic Variation Determines PPAR $\alpha$ Function and Anti-diabetic Drug Response In Vivo. <i>Cell</i> , <b>2015</b> , 162, 33-44	56.2	90
260	TELP, a sensitive and versatile library construction method for next-generation sequencing. <b>2015</b> , 43, e35		33
259	Vitamin B12 insufficiency induces cholesterol biosynthesis by limiting s-adenosylmethionine and modulating the methylation of SREBF1 and LDLR genes. <b>2015</b> , 7, 14		59
258	Fate determination in mesenchymal stem cells: a perspective from histone-modifying enzymes. <b>2015</b> , 6, 35		47
257	Histone Methyltransferase SET1 Mediates Angiotensin II-Induced Endothelin-1 Transcription and Cardiac Hypertrophy in Mice. <b>2015</b> , 35, 1207-17		39
256	Formation and activation of thermogenic fat. <b>2015</b> , 31, 232-8		28
255	In vitro reversion of activated primary human hepatic stellate cells. <b>2015</b> , 8, 14		47
254	Epigenetic priming of inflammatory response genes by high glucose in adipose progenitor cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2015</b> , 467, 979-86	3.4	18

253	Ubc9 Impairs Activation of the Brown Fat Energy Metabolism Program in Human White Adipocytes. <b>2015</b> , 29, 1320-33		5
252	Modulating the Genomic Programming of Adipocytes. <b>2015</b> , 80, 239-48		7
251	Systematic chromatin state comparison of epigenomes associated with diverse properties including sex and tissue type. <i>Nature Communications</i> , <b>2015</b> , 6, 7973	17.4	42
250	Distinct regulatory mechanisms governing embryonic versus adult adipocyte maturation. <b>2015</b> , 17, 1099-111		83
249	Prepatterning of differentiation-driven nuclear lamin A/C-associated chromatin domains by GlcNAcylated histone H2B. <i>Genome Research</i> , <b>2015</b> , 25, 1825-35	9.7	54
248	Jmjd3-Mediated H3K27me3 Dynamics Orchestrate Brown Fat Development and Regulate White Fat Plasticity. <b>2015</b> , 35, 568-583		52
247	H3K4/H3K9me3 Bivalent Chromatin Domains Targeted by Lineage-Specific DNA Methylation Pauses Adipocyte Differentiation. <b>2015</b> , 60, 584-96		126
246	Genetic fine mapping and genomic annotation defines causal mechanisms at type 2 diabetes susceptibility loci. <b>2015</b> , 47, 1415-25		292
245	Dissecting neural differentiation regulatory networks through epigenetic footprinting. <b>2015</b> , 518, 355-359		140
244	Identification of nuclear hormone receptor pathways causing insulin resistance by transcriptional and epigenomic analysis. <b>2015</b> , 17, 44-56		49
243	Browning of human adipocytes requires KLF11 and reprogramming of PPAR $\beta$ superenhancers. <b>2015</b> , 29, 7-22		107
242	A stationary wavelet entropy-based clustering approach accurately predicts gene expression. <b>2015</b> , 22, 236-49		7
241	Peroxisome Proliferator-Activated Receptor Induces the Expression of Tissue Factor Pathway Inhibitor-1 (TFPI-1) in Human Macrophages. <b>2016</b> , 2016, 2756781		3
240	Affinity and dose of TCR engagement yield proportional enhancer and gene activity in CD4 <sup>+</sup> T cells. <b>2016</b> , 5,		46
239	Browning and Graying: Novel Transcriptional Regulators of Brown and Beige Fat Tissues and Aging. <i>Frontiers in Endocrinology</i> , <b>2016</b> , 7, 19	5.7	19
238	Is the Mouse a Good Model of Human PPAR $\beta$ Related Metabolic Diseases?. <b>2016</b> , 17,		12
237	Comparative Transcriptomic and Epigenomic Analyses Reveal New Regulators of Murine Brown Adipogenesis. <b>2016</b> , 12, e1006474		32
236	Adipogenic miRNA and meta-signature miRNAs involved in human adipocyte differentiation and obesity. <b>2016</b> , 7, 40830-40845		63

235	The genetic architecture of type 2 diabetes. <b>2016</b> , 536, 41-47		704
234	The regulation of adipogenesis from adipose-derived stem/stromal cells. <b>2016</b> , 114-130		
233	Epigenetic regulation of mesenchymal stem/stromal cell growth and multipotentiality. <b>2016</b> , 39-57		
232	Higher chylomicron remnants and LDL particle numbers associate with CD36 SNPs and DNA methylation sites that reduce CD36. <b>2016</b> , 57, 2176-2184		20
231	The genetic regulatory signature of type 2 diabetes in human skeletal muscle. <i>Nature Communications</i> , <b>2016</b> , 7, 11764	17.4	82
230	Evolution of Epigenetic Regulation in Vertebrate Genomes. <b>2016</b> , 32, 269-283		41
229	DNA Methylation Biphasically Regulates 3T3-L1 Preadipocyte Differentiation. <b>2016</b> , 30, 677-87		28
228	Emerging roles of the myocardin family of proteins in lipid and glucose metabolism. <i>Journal of Physiology</i> , <b>2016</b> , 594, 4741-52	3.9	25
227	Adipogenic Differentiation of Thyroid Cancer Cells Through the Pax8-PPAR $\gamma$ Fusion Protein Is Regulated by Thyroid Transcription Factor 1 (TTF-1). <b>2016</b> , 291, 19274-86		9
226	DNA Topoisomerase II $\alpha$ Contributes to the early steps of adipogenesis in 3T3-L1 cells. <b>2016</b> , 28, 1593-603		1
225	Histone Demethylase LSD1 Promotes Adipocyte Differentiation through Repressing Wnt Signaling. <b>2016</b> , 23, 1228-1240		27
224	Modeling cis-regulation with a compendium of genome-wide histone H3K27ac profiles. <i>Genome Research</i> , <b>2016</b> , 26, 1417-1429	9.7	46
223	Epigenetic control of adult stem cell function. <b>2016</b> , 17, 643-58		145
222	Mitochondrial Activity in Human White Adipocytes Is Regulated by the Ubiquitin Carrier Protein 9/microRNA-30a Axis. <b>2016</b> , 291, 24747-24755		19
221	Inhibiting DNA methylation switches adipogenesis to osteoblastogenesis by activating Wnt10a. <b>2016</b> , 6, 25283		36
220	Comprehensive DNA Methylation and Gene Expression Profiling in Differentiating Human Adipocytes. <b>2016</b> , 117, 2707-2718		18
219	Decidualization and Epigenetic Regulation. <b>2016</b> , 125-137		1
218	Transcriptional and epigenetic control of brown and beige adipose cell fate and function. <b>2016</b> , 17, 480-95		158

217	Uterine Endometrial Function. <b>2016</b> ,	1
216	Effects of selected bioactive food compounds on human white adipocyte function. <b>2016</b> , 13, 4	15
215	Glucocorticoid Signaling: An Update from a Genomic Perspective. <b>2016</b> , 78, 155-80	76
214	Recent advances in ChIP-seq analysis: from quality management to whole-genome annotation. <b>2017</b> , 18, 279-290	80
213	B cell translocation gene 2 (Btg2) is regulated by Stat3 signaling and inhibits adipocyte differentiation. <b>2016</b> , 413, 145-53	9
212	Tenomodulin promotes human adipocyte differentiation and beneficial visceral adipose tissue expansion. <i>Nature Communications</i> , <b>2016</b> , 7, 10686	17.4 44
211	Simultaneous Metabolite, Protein, Lipid Extraction (SIMPLEX): A Combinatorial Multimolecular Omics Approach for Systems Biology. <b>2016</b> , 15, 1453-66	65
210	Convertible visceral fat as a therapeutic target to curb obesity. <b>2016</b> , 15, 405-24	134
209	DNA methylation and gene expression patterns in adipose tissue differ significantly within young adult monozygotic BMI-discordant twin pairs. <b>2016</b> , 40, 654-61	48
208	Toward understanding the evolution of vertebrate gene regulatory networks: comparative genomics and epigenomic approaches. <b>2016</b> , 15, 315-21	6
207	HO-1 inhibits preadipocyte proliferation and differentiation at the onset of obesity via ROS dependent activation of Akt2. <b>2017</b> , 7, 40881	29
206	SNEV Regulates Adipogenesis of Human Adipose Stromal Cells. <b>2017</b> , 8, 21-29	6
205	Systematic dissection of genomic features determining transcription factor binding and enhancer function. <b>2017</b> , 114, E1291-E1300	93
204	Decreased STARD10 Expression Is Associated with Defective Insulin Secretion in Humans and Mice. <b>2017</b> , 100, 238-256	50
203	Dissecting the brown adipogenic regulatory network using integrative genomics. <b>2017</b> , 7, 42130	14
202	Genetic regulatory signatures underlying islet gene expression and type 2 diabetes. <b>2017</b> , 114, 2301-2306	132
201	MLL3/MLL4 are required for CBP/p300 binding on enhancers and super-enhancer formation in brown adipogenesis. <b>2017</b> , 45, 6388-6403	81
200	Gene expression profile during proliferation and differentiation of rainbow trout adipocyte precursor cells. <b>2017</b> , 18, 347	18

199	Tfe3 and Tfeb Transcriptionally Regulate Peroxisome Proliferator-Activated Receptor $\alpha$ Expression in Adipocytes and Mediate Adiponectin and Glucose Levels in Mice. <b>2017</b> , 37,		11
198	Comparative analysis of osteoblast gene expression profiles and Runx2 genomic occupancy of mouse and human osteoblasts in vitro. <b>2017</b> , 626, 119-131		12
197	Dynamic Rewiring of Promoter-Anchored Chromatin Loops during Adipocyte Differentiation. <b>2017</b> , 66, 420-435.e5		122
196	APMAP interacts with lysyl oxidase-like proteins, and disruption of leads to beneficial visceral adipose tissue expansion. <b>2017</b> , 31, 4088-4103		8
195	Allele-specific quantitative proteomics unravels molecular mechanisms modulated by cis-regulatory PPARG locus variation. <b>2017</b> , 45, 3266-3279		5
194	A Review of Cell-Based Strategies for Soft Tissue Reconstruction. <b>2017</b> , 23, 336-346		30
193	Simultaneous Transcriptional and Epigenomic Profiling from Specific Cell Types within Heterogeneous Tissues In Vivo. <b>2017</b> , 18, 1048-1061		56
192	From fat to FAT (CD36/SR-B2): Understanding the regulation of cellular fatty acid uptake. <b>2017</b> , 136, 21-26		112
191	Human White Adipocytes Convert Into "Rainbow" Adipocytes In Vitro. <b>2017</b> , 232, 2887-2899		24
190	The KDM5 family is required for activation of pro-proliferative cell cycle genes during adipocyte differentiation. <b>2017</b> , 45, 1743-1759		30
189	The RBM14/CoAA-interacting, long intergenic non-coding RNA Paral1 regulates adipogenesis and coactivates the nuclear receptor PPAR $\alpha$ <b>2017</b> , 7, 14087		21
188	Reactive Oxygen Species Regulate the Inflammatory Function of NKT Cells through Promyelocytic Leukemia Zinc Finger. <b>2017</b> , 199, 3478-3487		15
187	ltn2a silencing rescues lamin A mediated inhibition of 3T3-L1 adipocyte differentiation. <i>Adipocyte</i> , <b>2017</b> , 6, 259-276	3,2	2
186	Knockdown of lncRNA MIR31HG inhibits adipocyte differentiation of human adipose-derived stem cells via histone modification of FABP4. <b>2017</b> , 7, 8080		39
185	MKL1 defines the H3K4Me3 landscape for NF- $\kappa$ B dependent inflammatory response. <b>2017</b> , 7, 191		41
184	Maternal obesity programs increased leptin gene expression in rat male offspring via epigenetic modifications in a depot-specific manner. <b>2017</b> , 6, 922-930		20
183	Mechanisms of Type 2 Diabetes Risk Loci. <b>2017</b> , 17, 72		29
182	A lipodystrophy-causing lamin A mutant alters conformation and epigenetic regulation of the anti-adipogenic locus. <b>2017</b> , 216, 2731-2743		52

181	Hierarchical role for transcription factors and chromatin structure in genome organization along adipogenesis. <b>2017</b> , 284, 3230-3244	6
180	Integrative analyses of translome and transcriptome reveal important translational controls in brown and white adipose regulated by microRNAs. <b>2017</b> , 7, 5681	5
179	Transcriptional Dynamics During Human Adipogenesis and Its Link to Adipose Morphology and Distribution. <b>2017</b> , 66, 218-230	19
178	Epigenetic Regulation of the Thermogenic Adipose Program. <b>2017</b> , 28, 19-31	20
177	miR-206-3p Inhibits 3T3-L1 Cell Adipogenesis via the c-Met/PI3K/Akt Pathway. <b>2017</b> , 18,	26
176	Mouse Models of Human GWAS Hits for Obesity and Diabetes in the Post Genomic Era: Time for Reevaluation. <i>Frontiers in Endocrinology</i> , <b>2017</b> , 8, 11	5-7 9
175	ChIP-ping the branches of the tree: functional genomics and the evolution of eukaryotic gene regulation. <b>2018</b> , 17, 116-137	4
174	Dynamic role of the transmembrane glycoprotein CD36 (SR-B2) in cellular fatty acid uptake and utilization. <b>2018</b> , 59, 1084-1093	103
173	BET bromodomain proteins regulate enhancer function during adipogenesis. <b>2018</b> , 115, 2144-2149	45
172	Comparative Analysis of Immune Cells Reveals a Conserved Regulatory Lexicon. <b>2018</b> , 6, 381-394.e7	11
171	Genetic determinants and epigenetic effects of pioneer-factor occupancy. <b>2018</b> , 50, 250-258	85
170	Reduced PPAR $\alpha$ expression in adipose tissue of male rat offspring from obese dams is associated with epigenetic modifications. <b>2018</b> , 32, 2768-2778	12
169	An Epigenetic Signature in Adipose Tissue Is Linked to Nicotinamide N-Methyltransferase Gene Expression. <b>2018</b> , 62, e1700933	14
168	Anacardic acid reduces lipogenesis in human differentiated adipocytes via inhibition of histone acetylation. <b>2018</b> , 89, 94-97	4
167	Complexity and conservation of regulatory landscapes underlie evolutionary resilience of mammalian gene expression. <b>2018</b> , 2, 152-163	55
166	Adipose Organ Development and Remodeling. <b>2018</b> , 8, 1357-1431	68
165	Shared genetic risk contributes to type 1 and type 2 diabetes etiology. <b>2018</b> ,	27
164	Differential open chromatin profile and transcriptomic signature define depot-specific human subcutaneous preadipocytes: primary outcomes. <b>2018</b> , 10, 148	9



163	Heart enhancers with deeply conserved regulatory activity are established early in zebrafish development. <i>Nature Communications</i> , <b>2018</b> , 9, 4977	17.4	20
162	Identification of Potential Key Genes Associated with Adipogenesis through Integrated Analysis of Five Mouse Transcriptome Datasets. <b>2018</b> , 19,		8
161	A likelihood approach to testing hypotheses on the co-evolution of epigenome and genome. <b>2018</b> , 14, e1006673		2
160	Type 2 Diabetes-Associated Genetic Variants Regulate Chromatin Accessibility in Human Islets. <b>2018</b> , 67, 2466-2477		31
159	Differentiation-state plasticity is a targetable resistance mechanism in basal-like breast cancer. <i>Nature Communications</i> , <b>2018</b> , 9, 3815	17.4	75
158	Interplay of cell-cell contacts and RhoA/MRTF-A signaling regulates cardiomyocyte identity. <b>2018</b> , 37,		46
157	Interactions between genetic variation and cellular environment in skeletal muscle gene expression. <i>PLoS ONE</i> , <b>2018</b> , 13, e0195788	3.7	9
156	Developmental Origins of Health and Disease (DOHaD). <b>2018</b> ,		
155	Enhancer-driven transcriptional regulation is a potential key determinant for human visceral and subcutaneous adipocytes. <b>2018</b> ,		1
154	Epigenetic Switching and Neonatal Nutritional Environment. <b>2018</b> , 1012, 19-25		6
153	Marked Diversity of Unique Cortical Enhancers Enables Neuron-Specific Tools by Enhancer-Driven Gene Expression. <b>2018</b> , 28, 2103-2114.e5		40
152	BoostMe accurately predicts DNA methylation values in whole-genome bisulfite sequencing of multiple human tissues. <b>2018</b> , 19, 390		21
151	Choice of binding sites for CTCFL compared to CTCF is driven by chromatin and by sequence preference. <b>2018</b> , 46, 7097-7107		12
150	Functional characterization of enhancer evolution in the primate lineage. <i>Genome Biology</i> , <b>2018</b> , 19, 99	18.3	16
149	Co-Expression Network Analysis of AMPK and Autophagy Gene Products during Adipocyte Differentiation. <b>2018</b> , 19,		6
148	miR-30a Remodels Subcutaneous Adipose Tissue Inflammation to Improve Insulin Sensitivity in Obesity. <b>2018</b> , 67, 2541-2553		44
147	Automated transition analysis of activated gene regulation during diauxic nutrient shift in <i>Escherichia coli</i> and adipocyte differentiation in mouse cells. <b>2018</b> , 19, 89		
146	ChromTime: modeling spatio-temporal dynamics of chromatin marks. <i>Genome Biology</i> , <b>2018</b> , 19, 109	18.3	7

145	Transgenerational Epigenetic Mechanisms in Adipose Tissue Development. <b>2018</b> , 29, 675-685		21
144	Exposure of adipocytes to bisphenol-A in vitro interferes with insulin action without enhancing adipogenesis. <i>PLoS ONE</i> , <b>2018</b> , 13, e0201122	3-7	19
143	ZBTB16 Overexpression Enhances White Adipogenesis and Induces Brown-Like Adipocyte Formation of Bovine White Intramuscular Preadipocytes. <b>2018</b> , 48, 2528-2538		27
142	Enterocyte Fatty Acid Handling Proteins and Chylomicron Formation. <b>2018</b> , 1087-1107		0
141	Cytokines and inflammation in adipogenesis: an updated review. <b>2019</b> , 13, 314-329		33
140	CD 36: Focus on Epigenetic and Post-Transcriptional Regulation. <b>2019</b> , 10, 680		9
139	Epigenetic Regulation of Adipogenic Differentiation by Histone Lysine Demethylation. <b>2019</b> , 20,		15
138	Ablation of serum response factor in hepatic stellate cells attenuates liver fibrosis. <b>2019</b> , 97, 1521-1533		27
137	Piperine inhibits adipocyte differentiation via dynamic regulation of histone modifications. <b>2019</b> , 33, 2429-2439		7
136	Methylome and transcriptome maps of human visceral and subcutaneous adipocytes reveal key epigenetic differences at developmental genes. <b>2019</b> , 9, 9511		8
135	The transcription factor NKX1-2 promotes adipogenesis and may contribute to a balance between adipocyte and osteoblast differentiation. <b>2019</b> , 294, 18408-18420		4
134	Natural human genetic variation determines basal and inducible expression of , an obesity-associated gene. <b>2019</b> , 116, 23232-23242		18
133	A novel upstream transcription factor 1 target gene that regulates adipogenesis. <b>2019</b> , 20, 100676		4
132	Differential regulation of OCT4 targets facilitates reacquisition of pluripotency. <i>Nature Communications</i> , <b>2019</b> , 10, 4444	17.4	2
131	The importance of the nuclear positioning of the PPARG gene for its expression during porcine in vitro adipogenesis. <b>2019</b> , 27, 271-284		10
130	Genetic Contexts Characterize Dynamic Histone Modification Patterns Among Cell Types. <b>2019</b> , 11, 698-710		1
129	Transcription Restart Establishes Chromatin Accessibility after DNA Replication. <b>2019</b> , 75, 284-297.e6		18
128	Environmental and Nutritional Effects Regulating Adipose Tissue Function and Metabolism Across Generations. <b>2019</b> , 6, 1900275		8

127	ZFP30 promotes adipogenesis through the KAP1-mediated activation of a retrotransposon-derived Pparg2 enhancer. <i>Nature Communications</i> , <b>2019</b> , 10, 1809	17.4	14
126	Long-range interactions between topologically associating domains shape the four-dimensional genome during differentiation. <b>2019</b> , 51, 835-843		61
125	Nuclear Receptors. <b>2019</b> ,		1
124	High-Dimensional Data Approaches to Understanding Nuclear Hormone Receptor Signaling. <b>2019</b> , 1966, 291-311		
123	Osteogenesis depends on commissioning of a network of stem cell transcription factors that act as repressors of adipogenesis. <b>2019</b> , 51, 716-727		89
122	Zbtb7c is a critical gluconeogenic transcription factor that induces glucose-6-phosphatase and phosphoenolpyruvate carboxykinase 1 genes expression during mice fasting. <b>2019</b> , 1862, 643-656		5
121	Gene-gene and gene-environment interactions in lipodystrophy: Lessons learned from natural PPAR $\mu$ mutants. <b>2019</b> , 1864, 715-732		15
120	Neudesin Neurotrophic Factor Promotes Bovine Preadipocyte Differentiation and Inhibits Myoblast Myogenesis. <i>Animals</i> , <b>2019</b> , 9,	3.1	4
119	Modelling the gene expression and the DNA-binding in the 3T3-L1 differentiating adipocytes. <i>Adipocyte</i> , <b>2019</b> , 8, 401-411	3.2	3
118	Temporal enhancer profiling of parallel lineages identifies AHR and GLIS1 as regulators of mesenchymal multipotency. <b>2019</b> , 47, 1141-1163		12
117	Transcriptional Regulation of NAMPT Gene by Glycogen Synthase Kinase 3 $\beta$ in Goat Adipocytes. <b>2019</b> , 38, 229-235		2
116	The Gata2 repression during 3T3-L1 preadipocyte differentiation is dependent on a rapid decrease in histone acetylation in response to glucocorticoid receptor activation. <b>2019</b> , 483, 39-49		1
115	Mouse polycomb group gene Cbx2 promotes osteoblastic but suppresses adipogenic differentiation in postnatal long bones. <b>2019</b> , 120, 219-231		4
114	Thy1 (CD90) expression is regulated by DNA methylation during adipogenesis. <b>2019</b> , 33, 3353-3363		4
113	Preadipocytes from obese humans with type 2 diabetes are epigenetically reprogrammed at genes controlling adipose tissue function. <b>2019</b> , 43, 306-318		22
112	Bisphenol AF promotes inflammation in human white adipocytes. <b>2020</b> , 318, C63-C72		7
111	Glucosylceramide synthase regulates adipo-osteogenic differentiation through synergistic activation of PPAR $\mu$ with GlcCer. <b>2020</b> , 34, 1270-1287		7
110	TRIM28 Regulates Dlk1 Expression in Adipogenesis. <b>2020</b> , 21,		2

109	NFIA differentially controls adipogenic and myogenic gene program through distinct pathways to ensure brown and beige adipocyte differentiation. <b>2020</b> , 16, e1009044			4
108	Adipocytes fail to maintain cellular identity during obesity due to reduced PPAR $\alpha$ activity and elevated TGF $\beta$ /SMAD signaling. <b>2020</b> , 42, 101086			3
107	Myocardin-Related Transcription Factor A (MRTF-A) Regulates the Balance between Adipogenesis and Osteogenesis of Human Adipose Stem Cells. <b>2020</b> , 2020, 8853541			2
106	Highly interconnected enhancer communities control lineage-determining genes in human mesenchymal stem cells. <b>2020</b> , 52, 1227-1238			16
105	Pan-SMARCA/PB1 Bromodomain Inhibitors and Their Role in Regulating Adipogenesis. <b>2020</b> , 63, 14680-14699			6
104	The histone methyltransferase Suv39h regulates 3T3-L1 adipogenesis. <i>Adipocyte</i> , <b>2020</b> , 9, 401-414	3.2		1
103	Epigenetic Regulators of Mesenchymal Stem/Stromal Cell Lineage Determination. <b>2020</b> , 18, 597-605			13
102	Curated gene expression dataset of differentiating 3T3-L1 adipocytes under pharmacological and genetic perturbations. <i>Adipocyte</i> , <b>2020</b> , 9, 600-608	3.2		2
101	Loss of G protein pathway suppressor 2 in human adipocytes triggers lipid remodeling by upregulating ATP binding cassette subfamily G member 1. <b>2020</b> , 42, 101066			3
100	Deoxynivalenol Exposure Suppresses Adipogenesis by Inhibiting the Expression of Peroxisome Proliferator-Activated Receptor Gamma 2 (PPAR $\gamma$ ) in 3T3-L1 Cells. <b>2020</b> , 21,			0
99	targets gene networks that promote browning of human and mouse adipocytes. <b>2020</b> , 319, E667-E677			7
98	Screening and Identification of Differentially Expressed and Adipose Growth-Related Protein-Coding Genes During the Deposition of Perirenal Adipose Tissue in Rabbits. <b>2020</b> , 13, 4669-4680			0
97	A human preadipocyte cell strain with multipotent differentiation capability as an in vitro model for adipogenesis. <b>2020</b> , 56, 399-411			1
96	HDAC in obesity: A critical insight. <b>2020</b> , 18, 100212			6
95	Developing a Robust Assay to Monitor and Quantify Key Players of Metabolic Pathways during Adipogenesis by Targeted Proteomics. <b>2020</b> , 20, e1900141			1
94	Phylogenetic Modeling of Regulatory Element Turnover Based on Epigenomic Data. <b>2020</b> , 37, 2137-2152			4
93	SRF-MRTF signaling suppresses brown adipocyte development by modulating TGF- $\beta$ /BMP pathway. <b>2020</b> , 515, 110920			5
92	Evolutionary-driven C-MYC gene expression in mammalian fibroblasts. <b>2020</b> , 10, 11056			1

91	IDH1-dependent H3K9me3 regulates brown fat differentiation and function by modulating histone methylation. <b>2020</b> , 105, 154173		8
90	The Adipocyte Acquires a Fibroblast-Like Transcriptional Signature in Response to a High Fat Diet. <b>2020</b> , 10, 2380		21
89	Dynamics of HOX gene expression and regulation in adipocyte development. <b>2021</b> , 768, 145308		4
88	Steering cell behavior through mechanobiology in 3D: A regenerative medicine perspective. <b>2021</b> , 268, 120572		17
87	Hierarchical Regulation of Autophagy During Adipocyte Differentiation.		
86	Epigenetic Regulators of White Adipocyte Browning.. <b>2021</b> , 5,		5
85	Quiescence, Stemness and Adipogenic Differentiation Capacity in Human DLK1/CD34/CD24 Adipose Stem/Progenitor Cells. <i>Cells</i> , <b>2021</b> , 10,	7.9	5
84	Conserved regulatory logic at accessible and inaccessible chromatin during the acute inflammatory response in mammals. <i>Nature Communications</i> , <b>2021</b> , 12, 567	17.4	5
83	Pancreatic progenitor epigenome maps prioritize type 2 diabetes risk genes with roles in development. <b>2021</b> , 10,		5
82	Domain adaptive neural networks improve cross-species prediction of transcription factor binding.		2
81	Heart Enhancers: Development and Disease Control at a Distance. <b>2021</b> , 12, 642975		2
80	Transcriptional networks controlling stromal cell differentiation. <b>2021</b> , 22, 465-482		8
79	Genome-wide mapping of histone modifications during axenic growth in two species of <i>Leptosphaeria maculans</i> showing contrasting genomic organization. <b>2021</b> , 29, 219-236		4
78	Cooperation of ATF4 and CTCF promotes adipogenesis through transcriptional regulation. <b>2021</b> , 1		0
77	The trans-ancestral genomic architecture of glyceimic traits. <b>2021</b> , 53, 840-860		44
76	The miR-378/PGC1 $\alpha$ /mTOR axis as an alternative mechanism to promote autophagy during adipogenesis. <b>2021</b> , 1866, 158921		1
75	HDAC inhibitor Trichostatin A suppresses adipogenesis in 3T3-L1 preadipocytes. <i>Aging</i> , <b>2021</b> , 13, 17489-17498	17.4	0
74	Linking the obesity rs1421085 variant circuitry to cellular, metabolic, and organismal phenotypes in vivo. <b>2021</b> , 7,		4

73	Smad2/3 Activation Regulates Smad1/5/8 Signaling via a Negative Feedback Loop to Inhibit 3T3-L1 Adipogenesis. <b>2021</b> , 22,		1
72	The PPAR $\alpha$ and PPAR $\gamma$ Epigenetic Landscape in Cancer and Immune and Metabolic Disorders. <b>2021</b> , 22,		4
71	Maternal obesity causes fetal cardiac hypertrophy and alters adult offspring myocardial metabolism in mice.		
70	Extracellular cystine influences human preadipocyte differentiation and correlates with fat mass in healthy adults. <b>2021</b> , 53, 1623-1634		1
69	Pyruvate dehydrogenase kinase 1 and 2 deficiency reduces high-fat diet-induced hypertrophic obesity and inhibits the differentiation of preadipocytes into mature adipocytes. <b>2021</b> , 53, 1390-1401		0
68	Genetic variant effects on gene expression in human pancreatic islets and their implications for T2D. <i>Nature Communications</i> , <b>2020</b> , 11, 4912	17.4	30
67	Mouse Embryonic Fibroblast Adipogenic Potential: A Comprehensive Transcriptome Analysis. <i>Adipocyte</i> , <b>2021</b> , 10, 1-20	3.2	2
66	Complexity and conservation of regulatory landscapes underlie evolutionary resilience of mammalian gene expression.		2
65	Genome-wide mapping of histone modifications in two species of <i>Leptosphaeria maculans</i> showing contrasting genomic organization and host specialization.		2
64	Pancreatic progenitor epigenome maps prioritize type 2 diabetes risk genes with roles in development.		1
63	BoostMe accurately predicts DNA methylation values in whole-genome bisulfite sequencing of multiple human tissues.		2
62	Functional Characterization of Enhancer Evolution in the Primate Lineage.		2
61	Heart enhancers with deeply conserved regulatory activity are established early in development.		1
60	Influence of genetic variants on gene expression in human pancreatic islets Implications for type 2 diabetes.		9
59	Therapeutic Potential of Peroxisome Proliferator-Activated Receptor Modulation in Non-Alcoholic Fatty Liver Disease and Non-Alcoholic Steatohepatitis. <b>2017</b> , 4,		10
58	Lipodystrophy: a paradigm for understanding the consequences of "overloading" adipose tissue. <b>2021</b> , 101, 907-993		9
57	Increased SRF transcriptional activity in human and mouse skeletal muscle is a signature of insulin resistance. <b>2011</b> , 121, 918-29		74
56	PPAR $\gamma$ agonists enhance ET-743-induced adipogenic differentiation in a transgenic mouse model of myxoid round cell liposarcoma. <b>2012</b> , 122, 886-98		54

55	Increased H3K9me3 drives dedifferentiated phenotype via KLF6 repression in liposarcoma. <b>2015</b> , 125, 2965-78		21
54	IRF3 promotes adipose inflammation and insulin resistance and represses browning. <b>2016</b> , 126, 2839-54		99
53	Targeting nuclear receptor NR4A1-dependent adipocyte progenitor quiescence promotes metabolic adaptation to obesity. <b>2018</b> , 128, 4898-4911		9
52	Genome-wide profiling of H3K56 acetylation and transcription factor binding sites in human adipocytes. <i>PLoS ONE</i> , <b>2011</b> , 6, e19778	3-7	45
51	Stage and gene specific signatures defined by histones H3K4me2 and H3K27me3 accompany mammalian retina maturation in vivo. <i>PLoS ONE</i> , <b>2012</b> , 7, e46867	3-7	43
50	PPARG binding landscapes in macrophages suggest a genome-wide contribution of PU.1 to divergent PPARG binding in human and mouse. <i>PLoS ONE</i> , <b>2012</b> , 7, e48102	3-7	15
49	SRF and MKL1 Independently Inhibit Brown Adipogenesis. <i>PLoS ONE</i> , <b>2017</b> , 12, e0170643	3-7	17
48	Regulation of white and brown adipocyte differentiation by RhoGAP DLC1. <i>PLoS ONE</i> , <b>2017</b> , 12, e0174761		18
47	Epigenetic Programming of Adipose Tissue in the Progeny of Obese Dams. <b>2019</b> , 20, 428-437		0
46	ZBTB16 and metabolic syndrome: a network perspective. <b>2017</b> , 66, S357-S365		19
45	ZBTB16 gene variability influences obesity-related parameters and serum lipid levels in Czech adults. <b>2017</b> , 66, S425-S431		9
44	Identification of the transcription factor ZEB1 as a central component of the adipogenic gene regulatory network. <b>2014</b> , 3, e03346		60
43	The E3 ubiquitin ligase TRIM23 regulates adipocyte differentiation via stabilization of the adipogenic activator PPAR $\alpha$ . <b>2015</b> , 4, e05615		38
42	Transcriptional regulation of endothelial dysfunction in atherosclerosis: an epigenetic perspective. <b>2014</b> , 28, 47-52		14
41	Chromatin Signature. <b>2013</b> , 205-237		
40	Reactive Oxygen Species Regulate the Inflammatory Function of NKT Cells through Promyelocytic Leukemia Zinc Finger.		
39	Temporal epigenomic profiling identifies AHR and GLIS1 as super-enhancer controlled regulators of mesenchymal multipotency.		
38	Modeling Spatio-temporal Dynamics of Chromatin Marks.		

37	The marked diversity of unique cortical enhancers enables neuron-specific tools by Enhancer-Driven Gene Expression.		
36	Development of a joint evolutionary model for the genome and the epigenome.		
35	Shared genetic contribution to type 1 and type 2 diabetes risk.		2
34	Thy1 (CD90) expression is regulated by DNA methylation during adipogenesis.		
33	Phylogenetic modeling of regulatory element turnover based on epigenomic data.		
32	The effects of early-life growth hormone intervention on tissue specific histone H3 modifications in long-lived Ames dwarf mice. <i>Aging</i> , <b>2020</b> , 13, 1633-1648	5.6	1
31	The Trans-Ancestral Genomic Architecture of Glycaemic Traits.		1
30	Regulatory diversity contributes to a divergent transcriptional response to dietary changes in mammals.		
29	Transcriptional and epigenetic control of adipocyte remodeling during obesity. <i>Obesity</i> , <b>2021</b> , 29, 2013-2025		3
28	Spatiotemporal dynamics of SETD5-containing NCoR-HDAC3 complex determines enhancer activation for adipogenesis. <i>Nature Communications</i> , <b>2021</b> , 12, 7045	17.4	0
27	Regulatory network of metformin on adipogenesis determined by combining high-throughput sequencing and GEO database.. <i>Adipocyte</i> , <b>2022</b> , 11, 56-68	3.2	0
26	Domain adaptive neural networks improve cross-species prediction of transcription factor binding.. <i>Genome Research</i> , <b>2022</b> ,	9.7	0
25	Integrated genomic analysis of AgRP neurons reveals that IRF3 regulates leptin $\beta$ hunger-suppressing effects.		
24	Hierarchical regulation of autophagy during adipocyte differentiation.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0250865	3.7	0
23	Tamarixetin Abrogates Adipogenesis Through Inhibiting p300/CBP-Associated Factor Acetyltransferase Activity in 3T3-L1 Preadipocyte Cells.. <i>Journal of Medicinal Food</i> , <b>2022</b> , 25, 272-280	2.8	1
22	Lysine-Specific Demethylase 1 (LSD1) epigenetically controls osteoblast differentiation.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0265027	3.7	2
21	Local euchromatin enrichment in lamina-associated domains anticipates their repositioning in the adipogenic lineage.. <i>Genome Biology</i> , <b>2022</b> , 23, 91	18.3	3
20	Developmental mRNA mC landscape and regulatory innovations of massive mC modification of maternal mRNAs in animals.. <i>Nature Communications</i> , <b>2022</b> , 13, 2484	17.4	2



19	Integrated lipidomics and RNA sequencing analysis reveal novel changes during 3T3-L1 cell adipogenesis.. <i>PeerJ</i> , <b>2022</b> , 10, e13417	3.1	
18	Maternal obesity causes fetal cardiac hypertrophy and alters adult offspring myocardial metabolism in mice.. <i>Journal of Physiology</i> , <b>2022</b> ,	3.9	1
17	Identification of Candidate Genes Regulating Carcass Depth and Hind Leg Circumference in Simmental Beef Cattle Using Illumina Bovine Beadchip and Next-Generation Sequencing Analyses.. <i>Animals</i> , <b>2022</b> , 12,	3.1	1
16	Kaempferol antagonizes adipogenesis by repressing histone H3K4 methylation at PPAR $\alpha$ target genes. <i>Biochemical and Biophysical Research Communications</i> , <b>2022</b> , 617, 48-54	3.4	1
15	Insight Into Rho Kinase Isoforms in Obesity and Energy Homeostasis. <i>Frontiers in Endocrinology</i> , 13,	5.7	0
14	ADGRG6 promotes adipogenesis and is involved in sex-specific fat distribution.		
13	A novel peptide protects against diet-induced obesity by suppressing appetite and modulating the gut microbiota. <i>Gut</i> , gutjnl-2022-328035	19.2	1
12	Importance of the Microenvironment and Mechanosensing in Adipose Tissue Biology. <i>Cells</i> , <b>2022</b> , 11, 2310	7.9	0
11	Lineage-specific rearrangement of chromatin loops and epigenomic features during adipocytes and osteoblasts commitment.		2
10	Peroxisomal regulation of energy homeostasis: Effect on obesity and related metabolic disorders. <b>2022</b> , 101577		1
9	Epigenetic regulation of Cebpb activation by pY19-Caveolin-2 at the nuclear periphery in association with the nuclear lamina. <b>2022</b> , 1869, 119363		1
8	High-fat diet decreases H3K27ac in mice adipose-derived stromal cells. <b>2022</b> , 30, 1995-2004		0
7	Activation of TRPV1 receptor facilitates myelin repair following demyelination via the regulation of microglial function.		0
6	TGF $\beta$ regulates adipogenesis of bovine subcutaneous preadipocytes via typical Smad and atypical MAPK signaling pathways. <b>2023</b> , 61, 33-44		0
5	MITF Contributes to the Body Color Differentiation of Sea Cucumbers <i>Apostichopus japonicus</i> through Expression Differences and Regulation of Downstream Genes. <b>2023</b> , 12, 1		0
4	Beta-adrenergic agonist induces unique transcriptomic signature in inguinal white adipose tissue. <b>2023</b> , 11,		0
3	Glucocorticoid-mediated induction of ZBTB16 affects insulin secretion in human islets and EndoC- $\beta$ 1 $\beta$ cells. <b>2023</b> , 26, 106555		0
2	Cloning by SCNT: Integrating Technical and Biology-Driven Advances. <b>2023</b> , 1-35		0

- 1 Peroxisome Proliferator-Activated Receptor- $\delta$  is a Target and Regulator of Epigenetic Mechanisms in Nonalcoholic Fatty Liver Disease. **2023**, 12, 1205

o