

Leptin Suppresses the Rewarding Effects of Running via Neurons

Cell Metabolism

22, 741-749

DOI: [10.1016/j.cmet.2015.08.003](https://doi.org/10.1016/j.cmet.2015.08.003)

Citation Report

#	ARTICLE	IF	CITATIONS
1	'Runner's high' abolished by leptin signalling in dopamine neurons in the ventral tegmental area. <i>Nature Reviews Endocrinology</i> , 2015, 11, 630-630.	9.6	0
2	Running on Empty: Leptin Signaling in VTA Regulates Reward from Physical Activity. <i>Cell Metabolism</i> , 2015, 22, 540-541.	16.2	4
3	Beyond Hit-and-Run: Stem Cells Leave a Lasting Memory. <i>Cell Metabolism</i> , 2015, 22, 541-543.	16.2	31
4	New Insights in Anorexia Nervosa. <i>Frontiers in Neuroscience</i> , 2016, 10, 256.	2.8	144
5	Khat (<i>Catha edulis</i>) and Obesity: A Scoping Review of Animal and Human Studies. <i>Annals of Nutrition and Metabolism</i> , 2016, 69, 200-211.	1.9	24
6	Mesolimbic leptin signaling negatively regulates cocaine-conditioned reward. <i>Translational Psychiatry</i> , 2016, 6, e972-e972.	4.8	40
7	Role of striatal dopamine signaling in compulsive eating associated with obesity. <i>Current Opinion in Behavioral Sciences</i> , 2016, 9, 152-157.	3.9	8
8	Neuroendocrine Regulation of Anxiety: Beyond the Hypothalamicâ€Pituitaryâ€Adrenal Axis. <i>Journal of Neuroendocrinology</i> , 2016, 28, .	2.6	21
9	Mu-opioid receptor inhibition decreases voluntary wheel running in a dopamine-dependent manner in rats bred for high voluntary running. <i>Neuroscience</i> , 2016, 339, 525-537.	2.3	19
10	Hormones and the Evolution of Complex Traits: Insights from Artificial Selection on Behavior. <i>Integrative and Comparative Biology</i> , 2016, 56, 207-224.	2.0	59
11	Leptin in normal physiology and leptin resistance. <i>Science Bulletin</i> , 2016, 61, 1480-1488.	9.0	30
12	Central Agonism of GPR120 Acutely Inhibits Food Intake and Food Reward and Chronically Suppresses Anxiety-Like Behavior in Mice. <i>International Journal of Neuropsychopharmacology</i> , 2016, 19, pyw014.	2.1	46
13	Loss of Action via Neurotensin-Leptin Receptor Neurons Disrupts Leptin and Ghrelin-Mediated Control of Energy Balance. <i>Endocrinology</i> , 2017, 158, 1271-1288.	2.8	48
14	Activation of TLR4/STAT3 signaling in VTA contributes to the acquisition and maintenance of morphine-induced conditioned place preference. <i>Behavioural Brain Research</i> , 2017, 335, 151-157.	2.2	31
15	Dopamine Neuronâ€Restricted Leptin Receptor Signaling Reduces Some Aspects of Food Reward but Exacerbates the Obesity of Leptin Receptorâ€Deficient Male Mice. <i>Endocrinology</i> , 2017, 158, 4246-4256.	2.8	11
16	CNS Targets of Adipokines. , 2017, 7, 1359-1406.		12
17	Maternal Western diet ageâ€specifically alters female offspring voluntary physical activity and dopamineâ€and leptinâ€related gene expression. <i>FASEB Journal</i> , 2017, 31, 5371-5383.	0.5	14
18	Neuronal systems and circuits involved in the control of food intake and adaptive thermogenesis. <i>Annals of the New York Academy of Sciences</i> , 2017, 1391, 35-53.	3.8	53

#	ARTICLE	IF	CITATIONS
19	Leptin Effects on DAT Neurons To Control Energy Homeostasis. <i>Endocrinology</i> , 2017, 158, 4126-4128.	2.8	1
20	Leptin and Physical Activity in Adult Patients with Anorexia Nervosa: Failure to Demonstrate a Simple Linear Association. <i>Nutrients</i> , 2017, 9, 1210.	4.1	14
21	Hunger and Satiety Gauge Reward Sensitivity. <i>Frontiers in Endocrinology</i> , 2017, 8, 104.	3.5	59
22	Running from Disease: Molecular Mechanisms Associating Dopamine and Leptin Signaling in the Brain with Physical Inactivity, Obesity, and Type 2 Diabetes. <i>Frontiers in Endocrinology</i> , 2017, 8, 109.	3.5	35
23	Nucleus accumbens inflammation mediates anxiodepressive behavior and compulsive sucrose seeking elicited by saturated dietary fat. <i>Molecular Metabolism</i> , 2018, 10, 1-13.	6.5	78
24	Testosterone boosts physical activity in male mice via dopaminergic pathways. <i>Scientific Reports</i> , 2018, 8, 957.	3.3	43
25	Trichloroethylene and Parkinson's Disease: Risk Assessment. <i>Molecular Neurobiology</i> , 2018, 55, 6201-6214.	4.0	42
26	Voluntary exercise and depression-like behavior in rodents: are we running in the right direction?. <i>Journal of Molecular Endocrinology</i> , 2018, 60, R77-R95.	2.5	27
27	Oleic Acid in the Ventral Tegmental Area Inhibits Feeding, Food Reward, and Dopamine Tone. <i>Neuropsychopharmacology</i> , 2018, 43, 607-616.	5.4	21
28	NCB5OR Deficiency in the Cerebellum and Midbrain Leads to Dehydration and Alterations in Thirst Response, Fasted Feeding Behavior, and Voluntary Exercise in Mice. <i>Cerebellum</i> , 2018, 17, 152-164.	2.5	6
29	Neuronal cAMP/PKA Signaling and Energy Homeostasis. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1090, 31-48.	1.6	16
30	Neural Regulation of Metabolism. <i>Advances in Experimental Medicine and Biology</i> , 2018, , .	1.6	1
31	Unravelling the role and mechanism of adipokine and gastrointestinal signals in animal models in the nonhomeostatic control of energy homeostasis: Implications for binge eating disorder. <i>European Eating Disorders Review</i> , 2018, 26, 551-568.	4.1	14
32	Leptin and insulin do not exert redundant control of metabolic or emotive function via dopamine neurons. <i>Hormones and Behavior</i> , 2018, 106, 93-104.	2.1	8
33	Physical Fitness and Its Relationship to Plasma Leptin, Leptin Soluble Receptor, and Free Leptin Index in a Saudi Population: A Comparison Between Diabetic and Non-Diabetic Individuals. <i>Medical Science Monitor Basic Research</i> , 2018, 24, 113-119.	2.6	1
34	Evaluating anhedonia in the activity-based anorexia (ABA) rat model. <i>Physiology and Behavior</i> , 2018, 194, 324-332.	2.1	24
35	Leptin Receptor Expression in Mouse Intracranial Perivascular Cells. <i>Frontiers in Neuroanatomy</i> , 2018, 12, 4.	1.7	25
36	Novel Insights into How Overnutrition Disrupts the Hypothalamic Actions of Leptin. <i>Frontiers in Endocrinology</i> , 2018, 9, 89.	3.5	24

#	ARTICLE	IF	CITATIONS
37	Androgen and estrogen actions on male physical activity: a story beyond muscle. <i>Journal of Endocrinology</i> , 2018, 238, R31-R52.	2.6	13
38	Voluntary wheel running promotes resilience to chronic social defeat stress in mice: a role for nucleus accumbens FosB . <i>Neuropsychopharmacology</i> , 2018, 43, 1934-1942.	5.4	36
39	Brown rice-specific FosB as a promising prophylactic avenue to protect against diabetes mellitus and obesity in humans. <i>Journal of Diabetes Investigation</i> , 2019, 10, 18-25.	2.4	40
40	Immunochemical Identification of Melanocortin and Leptin Receptors on Serotonergic Neurons in the Rat Midbrain. <i>Neuroscience and Behavioral Physiology</i> , 2019, 49, 832-837.	0.4	3
41	A Metabolic Perspective on Reward Abnormalities in Anorexia Nervosa. <i>Trends in Endocrinology and Metabolism</i> , 2019, 30, 915-928.	7.1	24
42	The motivation for exercise over palatable food is dictated by cannabinoid type-1 receptors. <i>JCI Insight</i> , 2019, 4, .	5.0	22
43	Identification of Leptin Receptor-Expressing Cells in the Nodose Ganglion of Male Mice. <i>Endocrinology</i> , 2019, 160, 1307-1322.	2.8	4
44	Clinical Trials Required to Assess Potential Benefits and Side Effects of Treatment of Patients With Anorexia Nervosa With Recombinant Human Leptin. <i>Frontiers in Psychology</i> , 2019, 10, 769.	2.1	51
45	Leptin Prevents Lipopolysaccharide-Induced Depressive-Like Behaviors in Mice: Involvement of Dopamine Receptors. <i>Frontiers in Psychiatry</i> , 2019, 10, 125.	2.6	34
46	DNA methylation in AgRP neurons regulates voluntary exercise behavior in mice. <i>Nature Communications</i> , 2019, 10, 5364.	12.8	26
47	Development of leptin resistance in sucrose drinking rats is associated with consuming carbohydrate-containing solutions and not calorie-free sweet solution. <i>Appetite</i> , 2019, 132, 114-121.	3.7	5
48	A role for leptin and ghrelin in the augmentation of heroin seeking induced by chronic food restriction. <i>Psychopharmacology</i> , 2020, 237, 787-800.	3.1	18
49	Diet containing stearic acid increases food reward-related behaviors in mice compared with oleic acid. <i>Brain Research Bulletin</i> , 2020, 164, 45-54.	3.0	8
50	Short-term metreleptin treatment of patients with anorexia nervosa: rapid on-set of beneficial cognitive, emotional, and behavioral effects. <i>Translational Psychiatry</i> , 2020, 10, 303.	4.8	68
51	Vulnerable and Resilient Phenotypes in a Mouse Model of Anorexia Nervosa. <i>Biological Psychiatry</i> , 2021, 90, 829-842.	1.3	33
52	The Promise of Automated Home-Cage Monitoring in Improving Translational Utility of Psychiatric Research in Rodents. <i>Frontiers in Neuroscience</i> , 2020, 14, 618593.	2.8	23
53	Temperature but not leptin prevents semi-starvation induced hyperactivity in rats: implications for anorexia nervosa treatment. <i>Scientific Reports</i> , 2020, 10, 5300.	3.3	12
54	Exercise craving potentiates excitatory inputs to ventral tegmental area dopaminergic neurons. <i>Addiction Biology</i> , 2021, 26, e12967.	2.6	10

#	ARTICLE	IF	CITATIONS
55	Cannabis and exercise: Effects of δ^9 -tetrahydrocannabinol on preference and motivation for wheel-running in mice. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021, 105, 110117.	4.8	4
56	Sex-dependent alterations in behavior, drug responses and dopamine transporter expression in heterozygous DAT-Cre mice. <i>Scientific Reports</i> , 2021, 11, 3334.	3.3	10
57	Different baseline physical activity predicts susceptibility and resilience to chronic social defeat stress in mice: Involvement of dopamine neurons. <i>European Neuropsychopharmacology</i> , 2021, 45, 15-28.	0.7	7
58	Comparisons Between Serum Levels of Hepcidin and Leptin in Male College-Level Endurance Runners and Sprinters. <i>Frontiers in Nutrition</i> , 2021, 8, 657789.	3.7	2
59	Is LRP2 Involved in Leptin Transport over the Blood-Brain Barrier and Development of Obesity?. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4998.	4.1	7
60	Nicotine exposure during lactation causes disruption of hedonic eating behavior and alters dopaminergic system in adult female rats. <i>Appetite</i> , 2021, 160, 105115.	3.7	7
61	Leptin Receptor Expressing Neurons in the Substantia Nigra Regulate Locomotion, and in The Ventral Tegmental Area Motivation and Feeding. <i>Frontiers in Endocrinology</i> , 2021, 12, 680494.	3.5	13
62	Anxiety-like behavior in female mice is modulated by STAT3 signaling in midbrain dopamine neurons. <i>Brain, Behavior, and Immunity</i> , 2021, 95, 391-400.	4.1	7
63	Exploring the Mechanisms of Recovery in Anorexia Nervosa through a Translational Approach: From Original Ecological Measurements in Human to Brain Tissue Analyses in Mice. <i>Nutrients</i> , 2021, 13, 2786.	4.1	4
64	Suggestive Evidence for Causal Effect of Leptin Levels on Risk for Anorexia Nervosa: Results of a Mendelian Randomization Study. <i>Frontiers in Genetics</i> , 2021, 12, 733606.	2.3	13
66	Maternal high-fat diet during lactation reprograms the dopaminergic circuitry in mice. <i>Journal of Clinical Investigation</i> , 2020, 130, 3761-3776.	8.2	39
67	Physical fitness and plasma leptin in women with recent gestational diabetes. <i>PLoS ONE</i> , 2017, 12, e0179128.	2.5	20
68	VMAT2-Mediated Neurotransmission from Midbrain Leptin Receptor Neurons in Feeding Regulation. <i>ENeuro</i> , 2017, 4, ENEURO.0083-17.2017.	1.9	15
69	Running Reward Conditioned Place Preference Task. <i>Bio-protocol</i> , 2016, 6, .	0.4	3
70	4. Obesity Disease and Metabolic Syndrome: Clinical Progress and Future Outlook. <i>The Journal of the Japanese Society of Internal Medicine</i> , 2017, 106, 477-483.	0.0	0
72	The Rise and Fall of Dopamine: A Two-Stage Model of the Development and Entrenchment of Anorexia Nervosa. <i>Frontiers in Psychiatry</i> , 2021, 12, 799548.	2.6	4
76	Low leptin levels are associated with elevated physical activity among lean school children in rural Tanzania. <i>BMC Public Health</i> , 2022, 22, 933.	2.9	2
77	The role of hypoleptinemia in the psychological and behavioral adaptation to starvation: Implications for anorexia nervosa. <i>Neuroscience and Biobehavioral Reviews</i> , 2022, 141, 104807.	6.1	21

#	ARTICLE	IF	CITATIONS
78	A microbiome-dependent gut-brain pathway regulates motivation for exercise. <i>Nature</i> , 2022, 612, 739-747.	27.8	70
79	Differential alterations of amygdala nuclei volumes in acutely ill patients with anorexia nervosa and their associations with leptin levels. <i>Psychological Medicine</i> , 2023, 53, 6288-6303.	4.5	6
80	Associations of leptin and corticostriatal connectivity in bipolar disorder. <i>Scientific Reports</i> , 2022, 12, .	3.3	0
81	A critical update on the leptin-melanocortin system. <i>Journal of Neurochemistry</i> , 2023, 165, 467-486.	3.9	5
82	The Endocannabinoid System and Physical Exercise. <i>International Journal of Molecular Sciences</i> , 2023, 24, 1989.	4.1	17
83	Metabolic hormone action in the VTA: Reward-directed behavior and mechanistic insights. <i>Physiology and Behavior</i> , 2023, 268, 114236.	2.1	8
87	Does hypoleptinemia trigger entrapment in anorexia nervosa? Etiological and clinical considerations. <i>European Eating Disorders Review</i> , 2024, 32, 557-574.	4.1	0
88	NAPE-PLD in the ventral tegmental area regulates reward events, feeding and energy homeostasis. <i>Molecular Psychiatry</i> , 0, , .	7.9	0