

# Roger Cone

## List of Publications by Year in descending order

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Version: 2024-02-01

78  
papers

21,252  
citations

41344

49  
h-index

62596

80  
g-index

82  
all docs

82  
docs citations

82  
times ranked

11998  
citing authors

#	ARTICLE	IF	CITATIONS
1	Histone deacetylase 6 inhibition restores leptin sensitivity and reduces obesity. <i>Nature Metabolism</i> , 2022, 4, 44-59.	11.9	20
2	Demonstration of a Common DPhe <sup>7</sup> to DNal(2â€²) <sup>7</sup> Peptide Ligand Antagonist Switch for Melanocortin-3 and Melanocortin-4 Receptors Identifies the Systematic Mischaracterization of the Pharmacological Properties of Melanocortin Peptides. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 5990-6000.	6.4	6
3	Organization of neural systems expressing melanocortinâ€³ receptors in the mouse brain: Evidence for sexual dimorphism. <i>Journal of Comparative Neurology</i> , 2022, 530, 2835-2851.	1.6	7
4	Shared genetic risk between eating disorderâ€ and substanceâ€ useâ€ related phenotypes: Evidence from genomeâ€ wide association studies. <i>Addiction Biology</i> , 2021, 26, e12880.	2.6	28
5	Structure-Based Design of Melanocortin 4 Receptor Ligands Based on the SHU-9119-hMC4R Cocrystal Structure. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 357-369.	6.4	12
6	Network dynamics of hypothalamic feeding neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	11
7	The melanocortin-3 receptor is a pharmacological target for the regulation of anorexia. <i>Science Translational Medicine</i> , 2021, 13, .	12.4	31
8	Cardiac Phenotype and Tissue Sodium Content in Adolescents With Defects in the Melanocortin System. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, 2606-2616.	3.6	3
9	Deletion of the Feeding-Induced Hepatokine TSK Ameliorates the Melanocortin Obesity Syndrome. <i>Diabetes</i> , 2021, 70, 2081-2091.	0.6	6
10	MC3R links nutritional state to childhood growth and the timing of puberty. <i>Nature</i> , 2021, 599, 436-441.	27.8	59
11	Membrane orientation and oligomerization of the melanocortin receptor accessory protein 2. <i>Journal of Biological Chemistry</i> , 2020, 295, 16370-16379.	3.4	10
12	Determination of the melanocortin-4 receptor structure identifies Ca <sup>2+</sup> as a cofactor for ligand binding. <i>Science</i> , 2020, 368, 428-433.	12.6	89
13	Genome-wide association study identifies eight risk loci and implicates metabo-psychiatric origins for anorexia nervosa. <i>Nature Genetics</i> , 2019, 51, 1207-1214.	21.4	641
14	Obesityâ€ associated mutant melanocortinâ€4 receptors with normal GÎ± <sub>s</sub> coupling frequently exhibit other discoverable pharmacological and biochemical defects. <i>Journal of Neuroendocrinology</i> , 2019, 31, e12795.	2.6	21
15	Agouti-Related Protein 2 Is a New Player in the Teleost Stress Response System. <i>Current Biology</i> , 2019, 29, 2009-2019.e7.	3.9	35
16	Late onset obesity in mice with targeted deletion of potassium inward rectifier Kir7.1 from cells expressing the melanocortinâ€4 receptor. <i>Journal of Neuroendocrinology</i> , 2019, 31, e12670.	2.6	13
17	Body weight homeostat that regulates fat mass independently of leptin in rats and mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 427-432.	7.1	74
18	Characterization of MC4R Regulation of the Kir7.1 Channel Using the Tl+ Flux Assay. <i>Methods in Molecular Biology</i> , 2018, 1684, 211-222.	0.9	6

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19	G protein-coupled receptors differentially regulate glycosylation and activity of the inwardly rectifying potassium channel Kir7.1. <i>Journal of Biological Chemistry</i> , 2018, 293, 17739-17753.	3.4	14
20	Regulation of energy rheostasis by the melanocortin-3 receptor. <i>Science Advances</i> , 2018, 4, eaat0866.	10.3	40
21	A genome-wide association study of anorexia nervosa suggests a risk locus implicated in dysregulated leptin signaling. <i>Scientific Reports</i> , 2017, 7, 3847.	3.3	23
22	Novel hypophysiotropic AgRP2 neurons and pineal cells revealed by BAC transgenesis in zebrafish. <i>Scientific Reports</i> , 2017, 7, 44777.	3.3	30
23	Evaluation of a melanocortin-4 receptor (MC4R) agonist (Setmelanotide) in MC4R deficiency. <i>Molecular Metabolism</i> , 2017, 6, 1321-1329.	6.5	200
24	Functional variants of the melanocortin-4 receptor associated with the Odontoceti and Mysticeti suborders of cetaceans. <i>Scientific Reports</i> , 2017, 7, 5684.	3.3	4
25	Loss of the melanocortin-4 receptor in mice causes dilated cardiomyopathy. <i>ELife</i> , 2017, 6, .	6.0	12
26	60 YEARS OF POMC: Regulation of feeding and energy homeostasis by $\hat{\pm}$ -MSH. <i>Journal of Molecular Endocrinology</i> , 2016, 56, T157-T174.	2.5	118
27	Behind melanocortin antagonist overexpression in the zebrafish brain: A behavioral and transcriptomic approach. <i>Hormones and Behavior</i> , 2016, 82, 87-100.	2.1	34
28	Leptin signaling regulates glucose homeostasis, but not adipostasis, in the zebrafish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3084-3089.	7.1	136
29	Regulation of orexigenic AgRP neurons: A third way?. <i>Trends in Endocrinology and Metabolism</i> , 2015, 26, 339-340.	7.1	3
30	A cellular basis for the munchies. <i>Nature</i> , 2015, 519, 38-40.	27.8	7
31	G-protein-independent coupling of MC4R to Kir7.1 in hypothalamic neurons. <i>Nature</i> , 2015, 520, 94-98.	27.8	152
32	RM-493, a Melanocortin-4 Receptor (MC4R) Agonist, Increases Resting Energy Expenditure in Obese Individuals. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, 1639-1645.	3.6	147
33	The Melanocortin-4 Receptor Is Expressed in Enteroendocrine L Cells and Regulates the Release of Peptide YY and Glucagon-like Peptide 1 In Vivo. <i>Cell Metabolism</i> , 2014, 20, 1018-1029.	16.2	139
34	A genome-wide association study of anorexia nervosa. <i>Molecular Psychiatry</i> , 2014, 19, 1085-1094.	7.9	282
35	Developmental Control of the Melanocortin-4 Receptor by MRAP2 Proteins in Zebrafish. <i>Science</i> , 2013, 341, 278-281.	12.6	136
36	Melanocortin-3 receptor regulates the normal fasting response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E1489-98.	7.1	67

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37	Leptin Grows Up and Gets a Neural Network. <i>Neuron</i> , 2011, 71, 4-6.	8.1	8
38	Regulation of Thyrotropin-Releasing Hormone-Expressing Neurons in Paraventricular Nucleus of the Hypothalamus by Signals of Adiposity. <i>Molecular Endocrinology</i> , 2010, 24, 2366-2381.	3.7	72
39	The Melanocortin-3 Receptor Is Required for Entrainment to Meal Intake. <i>Journal of Neuroscience</i> , 2008, 28, 12946-12955.	3.6	120
40	The regulation of food intake by selective stimulation of the type 3 melanocortin receptor (MC3R). <i>Peptides</i> , 2006, 27, 259-264.	2.4	100
41	Anatomy and regulation of the central melanocortin system. <i>Nature Neuroscience</i> , 2005, 8, 571-578.	14.8	1,315
42	Fasting Induces a Large, Leptin-Dependent Increase in the Intrinsic Action Potential Frequency of Orexigenic Arcuate Nucleus Neuropeptide Y/Agouti-Related Protein Neurons. <i>Endocrinology</i> , 2005, 146, 1043-1047.	2.8	253
43	Role of leptin and melanocortin signaling in uremia-associated cachexia. <i>Journal of Clinical Investigation</i> , 2005, 115, 1659-1665.	8.2	218
44	The Role of the Melanocortin-3 Receptor in Cachexia. <i>Annals of the New York Academy of Sciences</i> , 2003, 994, 258-266.	3.8	25
45	Differential Role of Melanocortin Receptor Subtypes in Cachexia. <i>Endocrinology</i> , 2003, 144, 1513-1523.	2.8	124
46	Structure Activity Studies of the Melanocortin-4 Receptor by in Vitro Mutagenesis: Identification of Agouti-Related Protein (AGRP), Melanocortin Agonist and Synthetic Peptide Antagonist Interaction Determinants. <i>Biochemistry</i> , 2001, 40, 6164-6179.	2.5	146
47	Melanocortin-4 receptor is required for acute homeostatic responses to increased dietary fat. <i>Nature Neuroscience</i> , 2001, 4, 605-611.	14.8	302
48	Leptin activates anorexigenic POMC neurons through a neural network in the arcuate nucleus. <i>Nature</i> , 2001, 411, 480-484.	27.8	2,008
49	Knockout models resulting in the development of obesity. <i>Trends in Genetics</i> , 2001, 17, S50-S54.	6.7	49
50	Central Melanocortins and the Regulation of Weight During Acute and Chronic Disease. <i>Endocrine Reviews</i> , 2001, 56, 359-376.	6.7	74
51	Role of the central melanocortin system in cachexia. <i>Cancer Research</i> , 2001, 61, 1432-8.	0.9	234
52	A Unique Metabolic Syndrome Causes Obesity in the Melanocortin-3 Receptor-Deficient Mouse. <i>Endocrinology</i> , 2000, 141, 3518-3521.	2.8	637
53	The Central Melanocortin System Can Directly Regulate Serum Insulin Levels*. <i>Endocrinology</i> , 2000, 141, 3072-3079.	2.8	267
54	Genetic Models of Obesity and Energy Balance in the Mouse. <i>Annual Review of Genetics</i> , 2000, 34, 687-745.	7.6	110

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55	The Central Melanocortin System Can Directly Regulate Serum Insulin Levels. <i>Endocrinology</i> , 2000, 141, 3072-3079.	2.8	76
56	A Unique Metalolic Sysdrone Causes Obesity in the Melanocortin-3 Receptor-Deficient Mouse. <i>Endocrinology</i> , 2000, 141, 3518-3521.	2.8	182
57	Altered Expression of Agouti-Related Protein and Its Colocalization with Neuropeptide Y in the Arcuate Nucleus of the Hypothalamus during Lactation*. <i>Endocrinology</i> , 1999, 140, 2645-2650.	2.8	121
58	Characterization of the Neuroanatomical Distribution of Agouti-Related Protein Immunoreactivity in the Rhesus Monkey and the Rat*. <i>Endocrinology</i> , 1999, 140, 1408-1415.	2.8	205
59	Molecular and pharmacological characterization of dominant black coat color in sheep. <i>Mammalian Genome</i> , 1999, 10, 39-43.	2.2	194
60	Integration of NPY, AGRP, and Melanocortin Signals in the Hypothalamic Paraventricular Nucleus. <i>Neuron</i> , 1999, 24, 155-163.	8.1	569
61	Editorial: The Ups and Downs of Leptin Action. <i>Endocrinology</i> , 1999, 140, 4921-4922.	2.8	1
62	Altered Expression of Agouti-Related Protein and Its Colocalization with Neuropeptide Y in the Arcuate Nucleus of the Hypothalamus during Lactation. <i>Endocrinology</i> , 1999, 140, 2645-2650.	2.8	49
63	A Ligand-Mimetic Model for Constitutive Activation of the Melanocortin-1 Receptor. <i>Molecular Endocrinology</i> , 1998, 12, 592-604.	3.7	80
64	Mahogany (mg) stimulates feeding and increases basal metabolic rate independent of its suppression of agouti. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 12707-12712.	7.1	77
65	Independent and Additive Effects of Central POMC and Leptin Pathways on Murine Obesity. <i>Science</i> , 1997, 278, 1641-1644.	12.6	223
66	Exocrine Gland Dysfunction in MC5-R-Deficient Mice: Evidence for Coordinated Regulation of Exocrine Gland Function by Melanocortin Peptides. <i>Cell</i> , 1997, 91, 789-798.	28.9	466
67	Targeted Disruption of the Melanocortin-4 Receptor Results in Obesity in Mice. <i>Cell</i> , 1997, 88, 131-141.	28.9	2,796
68	A non-epistatic interaction of agouti and extension in the fox, <i>Vulpes vulpes</i> . <i>Nature Genetics</i> , 1997, 15, 311-315.	21.4	204
69	Role of melanocortinerbic neurons in feeding and the agouti obesity syndrome. <i>Nature</i> , 1997, 385, 165-168.	27.8	1,765
70	Characterization of melanocortin receptor subtype expression in murine adipose tissues and in the 3T3-L1 cell line. <i>Endocrinology</i> , 1996, 137, 2043-2050.	2.8	68
71	The melanocortin receptors: agonists, antagonists, and the hormonal control of pigmentation. <i>Endocrine Reviews</i> , 1996, 51, 287-317; discussion 318.	6.7	238
72	A Colorimetric Assay for Measuring Activation of Gs- and Gq-Coupled Signaling Pathways. <i>Analytical Biochemistry</i> , 1995, 226, 349-354.	2.4	192

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73	Cyclic lactam .alpha.-melanotropin analogs of Ac-Nle4-cyclo[Asp5,D-Phe7,Lys10]-.alpha.-melanocyte-stimulating hormone-(4-10)-NH2 with bulky aromatic amino acids at position 7 show high antagonist potency and selectivity at specific melanocortin receptors. <i>Journal of Medicinal Chemistry</i> , 1995, 38, 3454-3461.	6.4	353
74	Localization of the melanocortin-4 receptor (MC4-R) in neuroendocrine and autonomic control circuits in the brain.. <i>Molecular Endocrinology</i> , 1994, 8, 1298-1308.	3.7	896
75	Agouti protein is an antagonist of the melanocyte-stimulating-hormone receptor. <i>Nature</i> , 1994, 371, 799-802.	27.8	999
76	Identification of a receptor for gamma melanotropin and other proopiomelanocortin peptides in the hypothalamus and limbic system.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993, 90, 8856-8860.	7.1	673
77	The Cloning of a Family of Genes That Encode the Melanocortin Receptors. <i>Science</i> , 1992, 257, 1248-1251.	12.6	1,552
78	Cloning and expression of human and rat Dt dopamine receptors. <i>Nature</i> , 1990, 347, 76-80.	27.8	580