

# Laurent Gautron

## List of Publications by Year in descending order

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69  
papers

5,761  
citations

117625

34  
h-index

110387

64  
g-index

78  
all docs

78  
docs citations

78  
times ranked

8719  
citing authors

#	ARTICLE	IF	CITATIONS
1	The controversial role of the vagus nerve in mediating ghrelin's actions: gut feelings and beyond. <i>IBRO Neuroscience Reports</i> , 2022, 12, 228-239.	1.6	9
2	Characterization of a cell bridge variant connecting the nodose and superior cervical ganglia in the mouse: Prevalence, anatomical features, and practical implications. <i>Journal of Comparative Neurology</i> , 2021, 529, 111-128.	1.6	9
3	The Phantom Satiating Hypothesis of Bariatric Surgery. <i>Frontiers in Neuroscience</i> , 2021, 15, 626085.	2.8	5
4	Adipocyte iron levels impinge on a fat-gut crosstalk to regulate intestinal lipid absorption and mediate protection from obesity. <i>Cell Metabolism</i> , 2021, 33, 1624-1639.e9.	16.2	50
5	Detection of G Protein-coupled Receptor Expression in Mouse Vagal Afferent Neurons using Multiplex & In Situ Hybridization. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	3
6	TLR4 Signaling Selectively and Directly Promotes CGRP Release from Vagal Afferents in the Mouse. <i>ENeuro</i> , 2021, 8, ENEURO.0254-20.2020.	1.9	22
7	Vagal neuron expression of the microbiota-derived metabolite receptor, free fatty acid receptor (FFAR3), is necessary for normal feeding behavior. <i>Molecular Metabolism</i> , 2021, 54, 101350.	6.5	34
8	The parasympathetic innervation of the spleen: are we chasing a ghost?. <i>Journal of Anatomy</i> , 2021, , .	1.5	0
9	Forward genetic analysis using OCT screening identifies <i>Sfxn3</i> mutations leading to progressive outer retinal degeneration in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12931-12942.	7.1	11
10	Physiology-forward identification of bile acid-sensitive vomeronasal receptors. <i>Science Advances</i> , 2020, 6, eaaz6868.	10.3	11
11	<i>Mycobacterium tuberculosis</i> Sulfolipid-1 Activates Nociceptive Neurons and Induces Cough. <i>Cell</i> , 2020, 181, 293-305.e11.	28.9	88
12	The Molecular Diversity of Vagal Afferents Revealed. <i>Trends in Neurosciences</i> , 2019, 42, 663-666.	8.6	5
13	Seeing through sensory ganglia. <i>Journal of Neuroscience Research</i> , 2019, 97, 1041-1042.	2.9	0
14	Identification of Leptin Receptor-Expressing Cells in the Nodose Ganglion of Male Mice. <i>Endocrinology</i> , 2019, 160, 1307-1322.	2.8	4
15	Relationship of $\pm$ -MSH and AgRP axons to the perikarya of melanocortin-4 receptor neurons. <i>Brain Research</i> , 2019, 1717, 136-146.	2.2	10
16	On the Necessity of Validating Antibodies in the Immunohistochemistry Literature. <i>Frontiers in Neuroanatomy</i> , 2019, 13, 46.	1.7	15
17	Dermal adipose tissue has high plasticity and undergoes reversible dedifferentiation in mice. <i>Journal of Clinical Investigation</i> , 2019, 129, 5327-5342.	8.2	112
18	The Role of Vagal Free Fatty Acid Receptor 3 (FFAR3) in FMT Improvement of Glucose Homeostasis. <i>FASEB Journal</i> , 2019, 33, lb626.	0.5	0

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19	Profiling of G protein-coupled receptors in vagal afferents reveals novel gut-to-brain sensing mechanisms. <i>Molecular Metabolism</i> , 2018, 12, 62-75.	6.5	124
20	Leptin and brain-adipose crosstalks. <i>Nature Reviews Neuroscience</i> , 2018, 19, 153-165.	10.2	182
21	Liver X Receptors Protect Dorsal Root Ganglia from Obesity-Induced Endoplasmic Reticulum Stress and Mechanical Allodynia. <i>Cell Reports</i> , 2018, 25, 271-277.e4.	6.4	43
22	Large-scale forward genetics screening identifies <i>Trpa1</i> as a chemosensor for predator odor-evoked innate fear behaviors. <i>Nature Communications</i> , 2018, 9, 2041.	12.8	71
23	Leptin Receptor Expression in Mouse Intracranial Perivascular Cells. <i>Frontiers in Neuroanatomy</i> , 2018, 12, 4.	1.7	25
24	Hepatocyte toll-like receptor 4 deficiency protects against alcohol-induced fatty liver disease. <i>Molecular Metabolism</i> , 2018, 14, 121-129.	6.5	35
25	Na v 1.8 neurons are involved in limiting acute phase responses to dietary fat. <i>Molecular Metabolism</i> , 2017, 6, 1081-1091.	6.5	16
26	The role of ghrelin-responsive mediobasal hypothalamic neurons in mediating feeding responses to fasting. <i>Molecular Metabolism</i> , 2017, 6, 882-896.	6.5	46
27	Lipopolysaccharide Rapidly and Completely Suppresses AgRP Neuron-Mediated Food Intake in Male Mice. <i>Endocrinology</i> , 2016, 157, 2380-2392.	2.8	23
28	Levels of Cocaine- and Amphetamine-Regulated Transcript in Vagal Afferents in the Mouse Are Unaltered in Response to Metabolic Challenges. <i>ENeuro</i> , 2016, 3, ENEURO.0174-16.2016.	1.9	10
29	Neuroanatomy and transgenic technologies. <i>Frontiers in Neuroanatomy</i> , 2015, 8, 157.	1.7	0
30	PPAR $\beta$ mRNA in the adult mouse hypothalamus: distribution and regulation in response to dietary challenges. <i>Frontiers in Neuroanatomy</i> , 2015, 9, 120.	1.7	12
31	Toward a Neuroimmunoendocrinology of Adipose Tissue. <i>Endocrinology</i> , 2015, 156, 3485-3487.	2.8	8
32	Neural Control of Energy Balance: Translating Circuits to Therapies. <i>Cell</i> , 2015, 161, 133-145.	28.9	204
33	Loss of the liver X receptor LXR $\beta$ in peripheral sensory neurons modifies energy expenditure. <i>ELife</i> , 2015, 4, .	6.0	21
34	PPAR $\beta$ in Vagal Neurons Regulates High-Fat Diet Induced Thermogenesis. <i>Cell Metabolism</i> , 2014, 19, 722-730.	16.2	55
35	FGF21 contributes to neuroendocrine control of female reproduction. <i>Nature Medicine</i> , 2013, 19, 1153-1156.	30.7	193
36	FGF21 regulates metabolism and circadian behavior by acting on the nervous system. <i>Nature Medicine</i> , 2013, 19, 1147-1152.	30.7	430

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37	Discrete melanocortin-sensitive neuroanatomical pathway linking the ventral premammillary nucleus to the paraventricular hypothalamus. <i>Neuroscience</i> , 2013, 240, 70-82.	2.3	13
38	Vagal innervation patterns following Roux-en-Y gastric bypass in the mouse. <i>International Journal of Obesity</i> , 2013, 37, 1603-1607.	3.4	39
39	Neuronal and nonneuronal cholinergic structures in the mouse gastrointestinal tract and spleen. <i>Journal of Comparative Neurology</i> , 2013, 521, 3741-3767.	1.6	115
40	Molecular anatomy of the gut-brain axis revealed with transgenic technologies: implications in metabolic research. <i>Frontiers in Neuroscience</i> , 2013, 7, 134.	2.8	35
41	Neuroanatomy of melanocortin $\mu$ 4 receptor pathway in the lateral hypothalamic area. <i>Journal of Comparative Neurology</i> , 2012, 520, 4168-4183.	1.6	70
42	A Cardiac MicroRNA Governs Systemic Energy Homeostasis by Regulation of MED13. <i>Cell</i> , 2012, 149, 671-683.	28.9	334
43	Laser $\mu$ capture microdissection and transcriptional profiling of the dorsomedial nucleus of the hypothalamus. <i>Journal of Comparative Neurology</i> , 2012, 520, 3617-3632.	1.6	23
44	Melanocortin $\mu$ 4 receptor expression in different classes of spinal and vagal primary afferent neurons in the mouse. <i>Journal of Comparative Neurology</i> , 2012, 520, 3933-3948.	1.6	20
45	Hindbrain Ghrelin Receptor Signaling Is Sufficient to Maintain Fasting Glucose. <i>PLoS ONE</i> , 2012, 7, e44089.	2.5	52
46	Induction of Leptin Resistance by Activation of cAMP-Epac Signaling. <i>Cell Metabolism</i> , 2011, 13, 331-339.	16.2	65
47	Characterization of Kiss1 neurons using transgenic mouse models. <i>Neuroscience</i> , 2011, 173, 37-56.	2.3	286
48	Leptin $\mu$ TM's effect on puberty in mice is relayed by the ventral premammillary nucleus and does not require signaling in Kiss1 neurons. <i>Journal of Clinical Investigation</i> , 2011, 121, 355-368.	8.2	281
49	Genetic tracing of Nav1.8 $\mu$ expressing vagal afferents in the mouse. <i>Journal of Comparative Neurology</i> , 2011, 519, 3085-3101.	1.6	100
50	Sixteen years and counting: an update on leptin in energy balance. <i>Journal of Clinical Investigation</i> , 2011, 121, 2087-2093.	8.2	292
51	Melanocortin $\mu$ 4 receptor expression in a vago $\mu$ vagal circuitry involved in postprandial functions. <i>Journal of Comparative Neurology</i> , 2010, 518, 6-24.	1.6	64
52	Melanocortin-4 receptor expression in a vago-vagal circuitry involved in postprandial functions. <i>Journal of Comparative Neurology</i> , 2010, 518, spc1-spc1.	1.6	0
53	Identifying the efferent projections of leptin $\mu$ responsive neurons in the dorsomedial hypothalamus using a novel conditional tracing approach. <i>Journal of Comparative Neurology</i> , 2010, 518, 2090-2108.	1.6	75
54	Loss of <i>Goosecoid-like</i> and <i>DiGeorge syndrome critical region 14</i> in interpeduncular nucleus results in altered regulation of rapid eye movement sleep. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18155-18160.	7.1	27

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55	Postnatal <i>Sim1</i> Deficiency Causes Hyperphagic Obesity and Reduced <i>Mc4r</i> and <i>Oxytocin</i> Expression. <i>Journal of Neuroscience</i> , 2010, 30, 3803-3812.	3.6	120
56	PI3K Signaling in the Ventromedial Hypothalamic Nucleus Is Required for Normal Energy Homeostasis. <i>Cell Metabolism</i> , 2010, 12, 88-95.	16.2	96
57	Neurobiology of inflammation-associated anorexia. <i>Frontiers in Neuroscience</i> , 2009, 3, 59.	2.8	38
58	Age-Related Changes in Nestin Immunoreactivity in the Rat Pituitary Gland. <i>Neuroendocrinology</i> , 2009, 90, 19-30.	2.5	6
59	Central Administration of Resveratrol Improves Diet-Induced Diabetes. <i>Endocrinology</i> , 2009, 150, 5326-5333.	2.8	118
60	Central Administration of Resveratrol Improves Diet-Induced Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009, 94, 4625-4625.	3.6	0
61	PANIC-ATTAC: A Mouse Model for Inducible and Reversible $\beta$ -Cell Ablation. <i>Diabetes</i> , 2008, 57, 2137-2148.	0.6	59
62	Monitoring FoxO1 Localization in Chemically Identified Neurons. <i>Journal of Neuroscience</i> , 2008, 28, 13640-13648.	3.6	64
63	Endocrine Regulation of the Fasting Response by PPAR $\alpha$ -Mediated Induction of Fibroblast Growth Factor 21. <i>Cell Metabolism</i> , 2007, 5, 415-425.	16.2	1,306
64	Pituitary Cocaine- and Amphetamine-Regulated Transcript Expression Depends on the Strain, Sex and Oestrous Cycle in the Rat. <i>Journal of Neuroendocrinology</i> , 2006, 18, 426-433.	2.6	8
65	Characterization of STAT3-expressing cells in the postnatal rat brain. <i>Brain Research</i> , 2006, 1098, 26-32.	2.2	21
66	Influence of feeding status on neuronal activity in the hypothalamus during lipopolysaccharide-induced anorexia in rats. <i>Neuroscience</i> , 2005, 134, 933-946.	2.3	51
67	Specific localization of signal transducer and activator of transcription 1 immunoreactivity in oxytocin neurons of the rat hypothalamus. <i>Brain Research</i> , 2003, 994, 260-264.	2.2	5
68	In vivo Activation of the Interleukin-6 Receptor/gp130 Signaling Pathway in Pituitary Corticotropes of Lipopolysaccharide-Treated Rats. <i>Neuroendocrinology</i> , 2003, 77, 32-43.	2.5	20
69	Spatiotemporal analysis of signal transducer and activator of transcription 3 activation in rat brain astrocytes and pituitary following peripheral immune challenge. <i>Neuroscience</i> , 2002, 112, 717-729.	2.3	69