

# Raphaël G Denis

## List of Publications by Year in descending order

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49  
papers

3,165  
citations

257450

24  
h-index

197818

49  
g-index

54  
all docs

54  
docs citations

54  
times ranked

6468  
citing authors

#	ARTICLE	IF	CITATIONS
1	Saturated Fatty Acids Produce an Inflammatory Response Predominantly through the Activation of TLR4 Signaling in Hypothalamus: Implications for the Pathogenesis of Obesity. <i>Journal of Neuroscience</i> , 2009, 29, 359-370.	3.6	886
2	Intestinal epithelial MyD88 is a sensor switching host metabolism towards obesity according to nutritional status. <i>Nature Communications</i> , 2014, 5, 5648.	12.8	197
3	Genetic deficiency of indoleamine 2,3-dioxygenase promotes gut microbiota-mediated metabolic health. <i>Nature Medicine</i> , 2018, 24, 1113-1120.	30.7	193
4	Irf5 deficiency in macrophages promotes beneficial adipose tissue expansion and insulin sensitivity during obesity. <i>Nature Medicine</i> , 2015, 21, 610-618.	30.7	149
5	Adipose tissue NAPE-PLD controls fat mass development by altering the browning process and gut microbiota. <i>Nature Communications</i> , 2015, 6, 6495.	12.8	144
6	Deletion of Tumor Necrosis Factor- $\alpha$ Receptor 1 (TNFR1) Protects against Diet-induced Obesity by Means of Increased Thermogenesis. <i>Journal of Biological Chemistry</i> , 2009, 284, 36213-36222.	3.4	125
7	Palatability Can Drive Feeding Independent of AgRP Neurons. <i>Cell Metabolism</i> , 2015, 22, 646-657.	16.2	122
8	Peroxisome Proliferator-Activated Receptor- $\beta$ -Mediated Positive Energy Balance in the Rat Is Associated with Reduced Sympathetic Drive to Adipose Tissues and Thyroid Status. <i>Endocrinology</i> , 2008, 149, 2121-2130.	2.8	106
9	Hypothalamic AgRP-neurons control peripheral substrate utilization and nutrient partitioning. <i>EMBO Journal</i> , 2012, 31, 4276-4288.	7.8	105
10	The hypothalamic arcuate nucleus and the control of peripheral substrates. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2014, 28, 725-737.	4.7	100
11	Short-Term Consumption of Sucralose with, but Not without, Carbohydrate Impairs Neural and Metabolic Sensitivity to Sugar in Humans. <i>Cell Metabolism</i> , 2020, 31, 493-502.e7.	16.2	79
12	Acyl-CoA-Binding Protein Is a Lipogenic Factor that Triggers Food Intake and Obesity. <i>Cell Metabolism</i> , 2019, 30, 754-767.e9.	16.2	67
13	Effects of Rimonabant (SR141716) on Fasting-Induced Hypothalamic-Pituitary-Adrenal Axis and Neuronal Activation in Lean and Obese Zucker Rats. <i>Diabetes</i> , 2006, 55, 3403-3410.	0.6	65
14	Beige differentiation of adipose depots in mice lacking prolactin receptor protects against high-fat diet-induced obesity. <i>FASEB Journal</i> , 2012, 26, 3728-3737.	0.5	65
15	Myostatin is a key mediator between energy metabolism and endurance capacity of skeletal muscle. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 307, R444-R454.	1.8	65
16	Arcuate AgRP neurons and the regulation of energy balance. <i>Frontiers in Endocrinology</i> , 2012, 3, 169.	3.5	59
17	Signals of adiposity. <i>Domestic Animal Endocrinology</i> , 2001, 21, 197-214.	1.6	51
18	Hippocampal lipoprotein lipase regulates energy balance in rodents. <i>Molecular Metabolism</i> , 2014, 3, 167-176.	6.5	47

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19	A fat-enriched, glucose-enriched diet markedly attenuates adiponectin mRNA levels in rat epididymal adipose tissue. <i>Clinical Science</i> , 2003, 105, 403-408.	4.3	43
20	ChemR23 knockout mice display mild obesity but no deficit in adipocyte differentiation. <i>Journal of Endocrinology</i> , 2013, 219, 279-289.	2.6	42
21	Postprandial Hyperglycemia Stimulates Neuroglial Plasticity in Hypothalamic POMC Neurons after a Balanced Meal. <i>Cell Reports</i> , 2020, 30, 3067-3078.e5.	6.4	33
22	Food restriction selectively increases hypothalamic orexin-B levels in lactating rats. <i>Regulatory Peptides</i> , 2001, 97, 163-168.	1.9	31
23	UCP2 protects hypothalamic cells from TNF $\alpha$ -induced damage. <i>FEBS Letters</i> , 2008, 582, 3103-3110.	2.8	30
24	Intestinal deletion of leptin signaling alters activity of nutrient transporters and delayed the onset of obesity in mice. <i>FASEB Journal</i> , 2014, 28, 4100-4110.	0.5	29
25	Defective endoplasmic reticulum-mitochondria contacts and bioenergetics in SEPNI-related myopathy. <i>Cell Death and Differentiation</i> , 2021, 28, 123-138.	11.2	29
26	Acyltransferase activities in the yolk sac membrane of the chick embryo. <i>Lipids</i> , 1999, 34, 929-935.	1.7	23
27	Lipoprotein lipase in hypothalamus is a key regulator of body weight gain and glucose homeostasis in mice. <i>Diabetologia</i> , 2017, 60, 1314-1324.	6.3	23
28	Insights From Liver-Humanized Mice on Cholesterol Lipoprotein Metabolism and LXR Agonist Pharmacodynamics in Humans. <i>Hepatology</i> , 2020, 72, 656-670.	7.3	23
29	Cardiolipin content controls mitochondrial coupling and energetic efficiency in muscle. <i>Science Advances</i> , 2021, 7, .	10.3	23
30	Additive effects of olanzapine and melanin-concentrating hormone agonism on energy balance. <i>Behavioural Brain Research</i> , 2010, 207, 14-20.	2.2	22
31	Prebiotics Supplementation Impact on the Reinforcing and Motivational Aspect of Feeding. <i>Frontiers in Endocrinology</i> , 2018, 9, 273.	3.5	22
32	Lkb1 suppresses amino acid-driven gluconeogenesis in the liver. <i>Nature Communications</i> , 2020, 11, 6127.	12.8	21
33	Reactive oxygen species production is increased in the peripheral blood monocytes of obese patients. <i>Metabolism: Clinical and Experimental</i> , 2009, 58, 1087-1095.	3.4	20
34	Endocannabinoid and nitric oxide systems of the hypothalamic paraventricular nucleus mediate effects of NPY on energy expenditure. <i>Molecular Metabolism</i> , 2018, 18, 120-133.	6.5	17
35	Laforin, a dual specificity phosphatase involved in Lafora disease, regulates insulin response and whole-body energy balance in mice. <i>Human Molecular Genetics</i> , 2011, 20, 2571-2584.	2.9	16
36	New roles for prokineticin 2 in feeding behavior, insulin resistance and type 2 diabetes: Studies in mice and humans. <i>Molecular Metabolism</i> , 2019, 29, 182-196.	6.5	15

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37	Ghrelin treatment induces rapid and delayed increments of food intake: a heuristic model to explain ghrelin's orexigenic effects. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 6689-6708.	5.4	10
38	Fyn Mediates Leptin Actions in the Thymus of Rodents. <i>PLoS ONE</i> , 2009, 4, e7707.	2.5	10
39	The Nutritional Induction of COUP-TFII Gene Expression in Ventromedial Hypothalamic Neurons Is Mediated by the Melanocortin Pathway. <i>PLoS ONE</i> , 2010, 5, e13464.	2.5	8
40	Muscle expression of a malonyl-CoA-insensitive carnitine palmitoyltransferase-1 protects mice against high-fat/high-sucrose diet-induced insulin resistance. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 311, E649-E660.	3.5	8
41	Deletion of tumor necrosis factor- $\alpha$ receptor 1 (TNFR1) protects against diet-induced obesity by means of increased thermogenesis. <i>Journal of Biological Chemistry</i> , 2016, 291, 26934.	3.4	6
42	Lipoprotein Lipase Expression in Hypothalamus Is Involved in the Central Regulation of Thermogenesis and the Response to Cold Exposure. <i>Frontiers in Endocrinology</i> , 2018, 9, 103.	3.5	6
43	Homocysteine Metabolism Pathway Is Involved in the Control of Glucose Homeostasis: A Cystathionine Beta Synthase Deficiency Study in Mouse. <i>Cells</i> , 2022, 11, 1737.	4.1	5
44	The LXCXE Retinoblastoma Protein-Binding Motif of FOG-2 Regulates Adipogenesis. <i>Cell Reports</i> , 2017, 21, 3524-3535.	6.4	4
45	A readout of metabolic efficiency in arylamine N-acetyltransferase-deficient mice reveals minor energy metabolism changes. <i>FEBS Letters</i> , 2019, 593, 831-841.	2.8	3
46	Circuits de la récompense et prise alimentaire. <i>Medecine Des Maladies Metaboliques</i> , 2013, 7, 13-21.	0.1	1
47	Further Evidence that Habitual Consumption of Sucralose with, but Not without, Carbohydrate Alters Glucose Metabolism. <i>Cell Metabolism</i> , 2021, 33, 227-228.	16.2	1
48	Genetic depletion of the Soat2 gene diminishes diet-induced hepatic steatosis and improves glucose tolerance in mice. <i>Atherosclerosis</i> , 2018, 275, e25.	0.8	0
49	lkb1 inhibits the hepatic gluconeogenesis by impeding the availability of amino acids. <i>Journal of Hepatology</i> , 2018, 68, S413-S414.	3.7	0