

# Nathalie Viguerie

## List of Publications by Year in Descending Order

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**Version:** 2024-04-23

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

87  
papers

5,958  
citations

41  
h-index

77  
g-index

88  
ext. papers

6,595  
ext. citations

6.6  
avg. IF

4.69  
L-index

#	Paper	IF	Citations
87	Network analyses reveal negative link between changes in adipose tissue GDF15 and BMI during dietary induced weight loss. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2021</b> ,	5.6	1
86	Metabolic and cardiovascular adaptations to an 8-wk lifestyle weight loss intervention in younger and older obese men. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2021</b> , 321, E325-E337	6	0
85	Integrative phenotyping of glycemic responders upon clinical weight loss using multi-omics. <i>Scientific Reports</i> , <b>2020</b> , 10, 9236	4.9	9
84	Growth and differentiation factor 15 is secreted by skeletal muscle during exercise and promotes lipolysis in humans. <i>JCI Insight</i> , <b>2020</b> , 5,	9.9	37
83	Apolipoprotein M: new connections with diet, adipose tissue and metabolic syndrome. <i>Current Opinion in Lipidology</i> , <b>2020</b> , 31, 8-14	4.4	4
82	Atrial Natriuretic Peptide Orchestrates a Coordinated Physiological Response to Fuel Non-shivering Thermogenesis. <i>Cell Reports</i> , <b>2020</b> , 32, 108075	10.6	8
81	Nutrients and Gene Expression in Type 2 Diabetes <b>2020</b> , 441-445		
80	Genome-wide gene-based analyses of weight loss interventions identify a potential role for NKX6.3 in metabolism. <i>Nature Communications</i> , <b>2019</b> , 10, 540	17.4	11
79	Apolipoprotein M: a novel adipokine decreasing with obesity and upregulated by calorie restriction. <i>American Journal of Clinical Nutrition</i> , <b>2019</b> , 109, 1499-1510	7	20
78	FADS1 genotype is distinguished by human subcutaneous adipose tissue fatty acids, but not inflammatory gene expression. <i>International Journal of Obesity</i> , <b>2019</b> , 43, 1539-1548	5.5	8
77	Interaction between hormone-sensitive lipase and ChREBP in fat cells controls insulin sensitivity. <i>Nature Metabolism</i> , <b>2019</b> , 1, 133-146	14.6	26
76	Niacin induces miR-502-3p expression which impairs insulin sensitivity in human adipocytes. <i>International Journal of Obesity</i> , <b>2019</b> , 43, 1485-1490	5.5	7
75	Caloric Restriction and Diet-Induced Weight Loss Do Not Induce Browning of Human Subcutaneous White Adipose Tissue in Women and Men with Obesity. <i>Cell Reports</i> , <b>2018</b> , 22, 1079-1089	10.6	40
74	Natriuretic peptides promote glucose uptake in a cGMP-dependent manner in human adipocytes. <i>Scientific Reports</i> , <b>2018</b> , 8, 1097	4.9	22
73	Multiple hot-deck imputation for network inference from RNA sequencing data. <i>Bioinformatics</i> , <b>2018</b> , 34, 1726-1732	7.2	3
72	Plasma metabolites and lipids predict insulin sensitivity improvement in obese, nondiabetic individuals after a 2-phase dietary intervention. <i>American Journal of Clinical Nutrition</i> , <b>2018</b> , 108, 13-23	7	15
71	Molecular Biomarkers for Weight Control in Obese Individuals Subjected to a Multiphase Dietary Intervention. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2017</b> , 102, 2751-2761	5.6	19

70	Transcriptome profiling from adipose tissue during a low-calorie diet reveals predictors of weight and glycemic outcomes in obese, nondiabetic subjects. <i>American Journal of Clinical Nutrition</i> , <b>2017</b> , 106, 736-746	7	36
69	Protein quantitative trait locus study in obesity during weight-loss identifies a leptin regulator. <i>Nature Communications</i> , <b>2017</b> , 8, 2084	17.4	36
68	System model network for adipose tissue signatures related to weight changes in response to calorie restriction and subsequent weight maintenance. <i>PLoS Computational Biology</i> , <b>2015</b> , 11, e1004047	5	28
67	Irf5 deficiency in macrophages promotes beneficial adipose tissue expansion and insulin sensitivity during obesity. <i>Nature Medicine</i> , <b>2015</b> , 21, 610-8	50.5	130
66	MAFB as a novel regulator of human adipose tissue inflammation. <i>Diabetologia</i> , <b>2015</b> , 58, 2115-23	10.3	17
65	Immune cell Toll-like receptor 4 mediates the development of obesity- and endotoxemia-associated adipose tissue fibrosis. <i>Cell Reports</i> , <b>2014</b> , 7, 1116-29	10.6	90
64	Pro-fibrotic activity of lysophosphatidic acid in adipose tissue: in vivo and in vitro evidence. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2014</b> , 1841, 88-96	5	17
63	Inferring Networks from Multiple Samples with Consensus LASSO. <i>Quality Technology and Quantitative Management</i> , <b>2014</b> , 11, 39-60	1.9	5
62	Effect of endurance training on skeletal muscle myokine expression in obese men: identification of apelin as a novel myokine. <i>International Journal of Obesity</i> , <b>2014</b> , 38, 707-13	5.5	111
61	Adipose tissue CIDEA is associated, independently of weight variation, to change in insulin resistance during a longitudinal weight control dietary program in obese individuals. <i>PLoS ONE</i> , <b>2014</b> , 9, e98707	3.7	7
60	Semaphorin 3C is a novel adipokine linked to extracellular matrix composition. <i>Diabetologia</i> , <b>2013</b> , 56, 1792-801	10.3	24
59	A role for adipocyte-derived lipopolysaccharide-binding protein in inflammation- and obesity-associated adipose tissue dysfunction. <i>Diabetologia</i> , <b>2013</b> , 56, 2524-37	10.3	75
58	Contribution of Omics Approaches to Understand the Pathophysiology of Obesity <b>2013</b> , 267-281		
57	Endurance exercise training up-regulates lipolytic proteins and reduces triglyceride content in skeletal muscle of obese subjects. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2013</b> , 98, 4863-71	5.6	57
56	Partial inhibition of adipose tissue lipolysis improves glucose metabolism and insulin sensitivity without alteration of fat mass. <i>PLoS Biology</i> , <b>2013</b> , 11, e1001485	9.7	143
55	Metabolic syndrome, circulating RBP4, testosterone, and SHBG predict weight regain at 6 months after weight loss in men. <i>Obesity</i> , <b>2013</b> , 21, 1997-2006	8	20
54	Influence of SNPs in nutrient-sensitive candidate genes and gene-diet interactions on blood lipids: the DiOGenes study. <i>British Journal of Nutrition</i> , <b>2013</b> , 110, 790-6	3.6	12
53	Weight loss improves the adipogenic capacity of human preadipocytes and modulates their secretory profile. <i>Diabetes</i> , <b>2013</b> , 62, 1990-5	0.9	37

52	Circulating ACE is a predictor of weight loss maintenance not only in overweight and obese women, but also in men. <i>International Journal of Obesity</i> , <b>2012</b> , 36, 1545-51	5.5	31
51	Determinants of human adipose tissue gene expression: impact of diet, sex, metabolic status, and cis genetic regulation. <i>PLoS Genetics</i> , <b>2012</b> , 8, e1002959	6	41
50	Multiple effects of a short-term dexamethasone treatment in human skeletal muscle and adipose tissue. <i>Physiological Genomics</i> , <b>2012</b> , 44, 141-51	3.6	17
49	Analyses of single nucleotide polymorphisms in selected nutrient-sensitive genes in weight-regain prevention: the DIOGENES study. <i>American Journal of Clinical Nutrition</i> , <b>2012</b> , 95, 1254-60	7	32
48	Natriuretic peptides enhance the oxidative capacity of human skeletal muscle. <i>Journal of Clinical Investigation</i> , <b>2012</b> , 122, 4675-9	15.9	127
47	Macrophage gene expression is related to obesity and the metabolic syndrome in human subcutaneous fat as well as in visceral fat. <i>Diabetologia</i> , <b>2011</b> , 54, 876-87	10.3	60
46	A distinct adipose tissue gene expression response to caloric restriction predicts 6-mo weight maintenance in obese subjects. <i>American Journal of Clinical Nutrition</i> , <b>2011</b> , 94, 1399-409	7	48
45	Worsening of obesity and metabolic status yields similar molecular adaptations in human subcutaneous and visceral adipose tissue: decreased metabolism and increased immune response. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2011</b> , 96, E73-82	5.6	82
44	Impact of a mechanical massage on gene expression profile and lipid mobilization in female gluteofemoral adipose tissue. <i>Obesity Facts</i> , <b>2011</b> , 4, 121-9	5.1	19
43	Peroxisome proliferator-activated receptor-alpha control of lipid and glucose metabolism in human white adipocytes. <i>Endocrinology</i> , <b>2010</b> , 151, 123-33	4.8	79
42	Adipose tissue transcriptome reflects variations between subjects with continued weight loss and subjects regaining weight 6 mo after caloric restriction independent of energy intake. <i>American Journal of Clinical Nutrition</i> , <b>2010</b> , 92, 975-84	7	52
41	Macrophages and adipocytes in human obesity: adipose tissue gene expression and insulin sensitivity during calorie restriction and weight stabilization. <i>Diabetes</i> , <b>2009</b> , 58, 1558-67	0.9	142
40	Visfatin expression in subcutaneous adipose tissue of pre-menopausal women: relation to hormones and weight reduction. <i>European Journal of Clinical Investigation</i> , <b>2008</b> , 38, 516-22	4.6	20
39	Adipose tissue transcriptomic signature highlights the pathological relevance of extracellular matrix in human obesity. <i>Genome Biology</i> , <b>2008</b> , 9, R14	18.3	300
38	Contribution of energy restriction and macronutrient composition to changes in adipose tissue gene expression during dietary weight-loss programs in obese women. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2008</b> , 93, 4315-22	5.6	64
37	Gene expression profiling of human skeletal muscle in response to stabilized weight loss. <i>American Journal of Clinical Nutrition</i> , <b>2008</b> , 88, 125-32	7	24
36	Adipose tissue <b>2008</b> , 51-58		
35	Adipose gene expression prior to weight loss can differentiate and weakly predict dietary responders. <i>PLoS ONE</i> , <b>2007</b> , 2, e1344	3.7	42

34	An intervention study of the effects of calcium intake on faecal fat excretion, energy metabolism and adipose tissue mRNA expression of lipid-metabolism related proteins. <i>International Journal of Obesity</i> , <b>2007</b> , 31, 1704-12	5.5	67
33	Plasma levels and adipose tissue messenger ribonucleic acid expression of retinol-binding protein 4 are reduced during calorie restriction in obese subjects but are not related to diet-induced changes in insulin sensitivity. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2007</b> , 92, 2330-5	5.6	82
32	The transcriptional coactivator peroxisome proliferator activated receptor (PPAR)gamma coactivator-1 alpha and the nuclear receptor PPAR alpha control the expression of glycerol kinase and metabolism genes independently of PPAR gamma activation in human white adipocytes. <i>Diabetes</i> , <b>2007</b> , 56, 2467-75	0.9	70
31	Profiling of adipokines secreted from human subcutaneous adipose tissue in response to PPAR agonists. <i>Biochemical and Biophysical Research Communications</i> , <b>2007</b> , 358, 897-902	3.4	28
30	Dynamic strength training improves insulin sensitivity without altering plasma levels and gene expression of adipokines in subcutaneous adipose tissue in obese men. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2006</b> , 91, 5107-12	5.6	111
29	Effect of aerobic training on plasma levels and subcutaneous abdominal adipose tissue gene expression of adiponectin, leptin, interleukin 6, and tumor necrosis factor alpha in obese women. <i>Metabolism: Clinical and Experimental</i> , <b>2006</b> , 55, 1375-81	12.7	150
28	Role of adipokines in the control of energy metabolism: focus on adiponectin. <i>Current Opinion in Pharmacology</i> , <b>2006</b> , 6, 580-5	5.1	70
27	Microarray profiling of human white adipose tissue after exogenous leptin injection. <i>European Journal of Clinical Investigation</i> , <b>2006</b> , 36, 153-63	4.6	19
26	The effects of increasing serum calcitriol on energy and fat metabolism and gene expression. <i>Obesity</i> , <b>2006</b> , 14, 1739-46	8	41
25	Transcriptomics applied to obesity and caloric restriction. <i>Biochimie</i> , <b>2005</b> , 87, 117-23	4.6	57
24	Reduction of macrophage infiltration and chemoattractant gene expression changes in white adipose tissue of morbidly obese subjects after surgery-induced weight loss. <i>Diabetes</i> , <b>2005</b> , 54, 2277-86	0.9	870
23	Adipose tissue gene expression in obese subjects during low-fat and high-fat hypocaloric diets. <i>Diabetologia</i> , <b>2005</b> , 48, 123-31	10.3	113
22	Serum amyloid A: production by human white adipocyte and regulation by obesity and nutrition. <i>Diabetologia</i> , <b>2005</b> , 48, 519-28	10.3	139
21	Dynamic strength training improves insulin sensitivity and functional balance between adrenergic alpha 2A and beta pathways in subcutaneous adipose tissue of obese subjects. <i>Diabetologia</i> , <b>2005</b> , 48, 2631-40	10.3	37
20	Effects of 3 diets with various calcium contents on 24-h energy expenditure, fat oxidation, and adipose tissue message RNA expression of lipid metabolism-related proteins. <i>American Journal of Clinical Nutrition</i> , <b>2005</b> , 82, 1244-52	7	37
19	Cathepsin S, a novel biomarker of adiposity: relevance to atherogenesis. <i>FASEB Journal</i> , <b>2005</b> , 19, 1540-20.9	20.9	119
18	Adipocyte lipases and defect of lipolysis in human obesity. <i>Diabetes</i> , <b>2005</b> , 54, 3190-7	0.9	293
17	Effect of endurance training on adrenergic control of lipolysis in adipose tissue of obese women. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2004</b> , 89, 1325-31	5.6	37

16	Adiponutrin: A new gene regulated by energy balance in human adipose tissue. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2004</b> , 89, 2684-9	5.6	79
15	Effects of different hypocaloric diets on protein secretion from adipose tissue of obese women. <i>Diabetes</i> , <b>2004</b> , 53, 1966-71	0.9	112
14	Weight loss regulates inflammation-related genes in white adipose tissue of obese subjects. <i>FASEB Journal</i> , <b>2004</b> , 18, 1657-69	0.9	506
13	Adiponectin gene expression and plasma values in obese women during very-low-calorie diet. Relationship with cardiovascular risk factors and insulin resistance. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2004</b> , 89, 756-60	5.6	60
12	In vivo epinephrine-mediated regulation of gene expression in human skeletal muscle. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2004</b> , 89, 2000-14	5.6	48
11	. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2003</b> , 6, 377-381	3.8	8
10	Effect of thyroid hormone on gene expression. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2003</b> , 6, 377-81	3.8	37
9	Semicarbazide-sensitive amine oxidase/vascular adhesion protein-1 activity exerts an antidiabetic action in Goto-Kakizaki rats. <i>Diabetes</i> , <b>2003</b> , 52, 1004-13	0.9	52
8	Adiponectin gene expression in subcutaneous adipose tissue of obese women in response to short-term very low calorie diet and refeeding. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2003</b> , 88, 5881-6	5.6	56
7	Regulation of human adipocyte gene expression by thyroid hormone. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2002</b> , 87, 630-4	5.6	79
6	In vivo regulation of human skeletal muscle gene expression by thyroid hormone. <i>Genome Research</i> , <b>2002</b> , 12, 281-91	9.7	124
5	Hypocaloric Diet Reduces Exercise-Induced $\beta$ -Adrenergic Antilipolytic Effect and $\beta$ -Adrenergic Receptor mRNA Levels in Adipose Tissue of Obese Women. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2002</b> , 87, 1274-1281	5.6	25
4	Triiodothyronine-mediated up-regulation of UCP2 and UCP3 mRNA expression in human skeletal muscle without coordinated induction of mitochondrial respiratory chain genes. <i>FASEB Journal</i> , <b>2001</b> , 15, 13-15	0.9	87
3	Increase in uncoupling protein-2 mRNA expression by BRL49653 and bromopalmitate in human adipocytes. <i>Biochemical and Biophysical Research Communications</i> , <b>1999</b> , 256, 138-41	3.4	48
2	Dexamethasone effects on somatostatin receptors in pancreatic acinar AR4-2J cells. <i>Biochemical and Biophysical Research Communications</i> , <b>1987</b> , 147, 942-8	3.4	30
1	Solubilization and characterization of guinea-pig pancreatic somatostatin receptors. <i>FEBS Journal</i> , <b>1987</b> , 164, 667-73		11