

# Sophie Rome

## List of Publications by Year in Descending Order

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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.

64  
papers

7,381  
citations

34  
h-index

68  
g-index

68  
ext. papers

9,787  
ext. citations

5.6  
avg, IF

5.29  
L-index

#	Paper	IF	Citations
64	Blood-derived miRNA levels are not correlated with metabolic or anthropometric parameters in obese pre-diabetic subjects but with systemic inflammation.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0263479	3.7	1
63	Profiling of ob/ob mice skeletal muscle exosome-like vesicles demonstrates combined action of miRNAs, proteins and lipids to modulate lipid homeostasis in recipient cells. <i>Scientific Reports</i> , <b>2021</b> , 11, 21626	4.9	1
62	Adipocyte-derived extracellular vesicles in health and diseases: Nano-packages with vast biological properties. <i>FASEB BioAdvances</i> , <b>2021</b> , 3, 407-419	2.8	2
61	Epigenetics in atrial fibrillation: A reappraisal. <i>Heart Rhythm</i> , <b>2021</b> , 18, 824-832	6.7	1
60	Adipocyte-Derived Extracellular Vesicles: State of the Art. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	4
59	Genetic Exchange of Lung-Derived Exosome to Brain Causing Neuronal Changes on COVID-19 Infection. <i>Molecular Neurobiology</i> , <b>2021</b> , 58, 5356-5368	6.2	2
58	Use of Nanovesicles from Orange Juice to Reverse Diet-Induced Gut Modifications in Diet-Induced Obese Mice. <i>Molecular Therapy - Methods and Clinical Development</i> , <b>2020</b> , 18, 880-892	6.4	12
57	Bis(monoacylglycero)phosphate, a new lipid signature of endosome-derived extracellular vesicles. <i>Biochimie</i> , <b>2020</b> , 178, 26-38	4.6	8
56	Mycoplasma hyopneumoniae J elicits an antioxidant response and decreases the expression of ciliary genes in infected swine epithelial cells. <i>Scientific Reports</i> , <b>2020</b> , 10, 13707	4.9	3
55	Obesity paradox in cancer: Is bigger really better?. <i>Evolutionary Applications</i> , <b>2019</b> , 12, 1092-1095	4.8	8
54	Biological properties of plant-derived extracellular vesicles. <i>Food and Function</i> , <b>2019</b> , 10, 529-538	6.1	55
53	Skeletal Muscle-Released Extracellular Vesicles: State of the Art. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 929	4.6	44
52	MicroRNAs from urinary extracellular vesicles are non-invasive early biomarkers of diabetic nephropathy in type 2 diabetes patients with the Asian Indian phenotype. <i>Diabetes and Metabolism</i> , <b>2019</b> , 45, 276-285	5.4	35
51	Lymphocyte-Derived Exosomal MicroRNAs Promote Pancreatic $\beta$ Cell Death and May Contribute to Type 1 Diabetes Development. <i>Cell Metabolism</i> , <b>2019</b> , 29, 348-361.e6	24.6	119
50	Analysis of the microRNA signature in left atrium from patients with valvular heart disease reveals their implications in atrial fibrillation. <i>PLoS ONE</i> , <b>2018</b> , 13, e0196666	3.7	14
49	Minimal information for studies of extracellular vesicles 2018 (MISEV2018): a position statement of the International Society for Extracellular Vesicles and update of the MISEV2014 guidelines. <i>Journal of Extracellular Vesicles</i> , <b>2018</b> , 7, 1535750	16.4	3642
48	Changes in diet associated with cancer: An evolutionary perspective. <i>Evolutionary Applications</i> , <b>2017</b> , 10, 651-657	4.8	8

47	Depleting extracellular vesicles from fetal bovine serum alters proliferation and differentiation of skeletal muscle cells in vitro. <i>BMC Biotechnology</i> , <b>2016</b> , 16, 32	3.5	48
46	Multiple microRNA regulation of lipoprotein lipase gene abolished by 3WTR polymorphisms in a triglyceride-lowering haplotype harboring p.Ser474Ter. <i>Atherosclerosis</i> , <b>2016</b> , 246, 280-6	3.1	19
45	Exosome-like vesicles released from lipid-induced insulin-resistant muscles modulate gene expression and proliferation of beta recipient cells in mice. <i>Diabetologia</i> , <b>2016</b> , 59, 1049-58	10.3	98
44	miRNA-375 a Sensor of Glucotoxicity Is Altered in the Serum of Children with Newly Diagnosed Type 1 Diabetes. <i>Journal of Diabetes Research</i> , <b>2016</b> , 2016, 1869082	3.9	51
43	Transition from physical activity to inactivity increases skeletal muscle miR-148b content and triggers insulin resistance. <i>Physiological Reports</i> , <b>2016</b> , 4, e12902	2.6	13
42	Pathways Implicated in Tadalafil Amelioration of Duchenne Muscular Dystrophy. <i>Journal of Cellular Physiology</i> , <b>2016</b> , 231, 224-32	7	19
41	Use of miRNAs in biofluids as biomarkers in dietary and lifestyle intervention studies. <i>Genes and Nutrition</i> , <b>2015</b> , 10, 483	4.3	27
40	Horizontal transfer of exosomal microRNAs transduce apoptotic signals between pancreatic beta-cells. <i>Cell Communication and Signaling</i> , <b>2015</b> , 13, 17	7.5	89
39	Circulating MiRNAs of Asian Indian Phenotype Identified in Subjects with Impaired Glucose Tolerance and Patients with Type 2 Diabetes. <i>PLoS ONE</i> , <b>2015</b> , 10, e0128372	3.7	40
38	Diagnostic Value of Cell-free Circulating MicroRNAs for Obesity and Type 2 Diabetes: A Meta-analysis. <i>Journal of Molecular Biomarkers &amp; Diagnosis</i> , <b>2015</b> , 6,	2	74
37	Long-standing arterial hypertension is associated with Pitx2 down-regulation in a rat model of spontaneous atrial tachyarrhythmias. <i>Europace</i> , <b>2015</b> , 17, 160-5	3.9	17
36	Robust coordination of cardiac functions from gene co-expression reveals a versatile combinatorial transcriptional control. <i>Molecular BioSystems</i> , <b>2014</b> , 10, 2415-25		2
35	Exosomes participate in the alteration of muscle homeostasis during lipid-induced insulin resistance in mice. <i>Diabetologia</i> , <b>2014</b> , 57, 2155-64	10.3	95
34	An APOA5 3WTR variant associated with plasma triglycerides triggers APOA5 downregulation by creating a functional miR-485-5p binding site. <i>American Journal of Human Genetics</i> , <b>2014</b> , 94, 129-34	11	46
33	Profiling of circulating microRNAs reveals common microRNAs linked to type 2 diabetes that change with insulin sensitization. <i>Diabetes Care</i> , <b>2014</b> , 37, 1375-83	14.6	241
32	Proteomic analysis of C2C12 myoblast and myotube exosome-like vesicles: a new paradigm for myoblast-myotube cross talk?. <i>PLoS ONE</i> , <b>2014</b> , 9, e84153	3.7	95
31	Myotube-derived exosomal miRNAs downregulate Sirtuin1 in myoblasts during muscle cell differentiation. <i>Cell Cycle</i> , <b>2014</b> , 13, 78-89	4.7	116
30	Are extracellular microRNAs involved in type 2 diabetes and related pathologies?. <i>Clinical Biochemistry</i> , <b>2013</b> , 46, 937-45	3.5	37

29	Endometrial exosomes/microvesicles in the uterine microenvironment: a new paradigm for embryo-endometrial cross talk at implantation. <i>PLoS ONE</i> , <b>2013</b> , 8, e58502	3.7	229
28	SREBP-1 transcription factors regulate skeletal muscle cell size by controlling protein synthesis through myogenic regulatory factors. <i>PLoS ONE</i> , <b>2012</b> , 7, e50878	3.7	27
27	MicroRNAs contribute to compensatory cell expansion during pregnancy and obesity. <i>Journal of Clinical Investigation</i> , <b>2012</b> , 122, 3541-51	15.9	122
26	$\alpha$ integrin processing interferes with the cross-talk between $\alpha$ $\beta$ / $\beta$ and $\alpha$ $\gamma$ integrins. <i>Biology of the Cell</i> , <b>2011</b> , 103, 519-29	3.5	9
25	A new role for sterol regulatory element binding protein 1 transcription factors in the regulation of muscle mass and muscle cell differentiation. <i>Molecular and Cellular Biology</i> , <b>2010</b> , 30, 1182-98	4.8	63
24	Transcriptome profiling in response to adiponectin in human cancer-derived cells. <i>Physiological Genomics</i> , <b>2010</b> , 42A, 61-70	3.6	7
23	Analysis of lifestyle and metabolic predictors of visceral obesity with Bayesian Networks. <i>BMC Bioinformatics</i> , <b>2010</b> , 11, 487	3.6	9
22	The microRNA signature in response to insulin reveals its implication in the transcriptional action of insulin in human skeletal muscle and the role of a sterol regulatory element-binding protein-1c/myocyte enhancer factor 2C pathway. <i>Diabetes</i> , <b>2009</b> , 58, 2555-64	0.9	116
21	Microarray analysis of genes with impaired insulin regulation in the skeletal muscle of type 2 diabetic patients indicates the involvement of basic helix-loop-helix domain-containing, class B, 2 protein (BHLHB2). <i>Diabetologia</i> , <b>2009</b> , 52, 1899-912	10.3	17
20	Microarray analyses of SREBP-1a and SREBP-1c target genes identify new regulatory pathways in muscle. <i>Physiological Genomics</i> , <b>2008</b> , 34, 327-37	3.6	55
19	Treatment for 2 mo with n 3 polyunsaturated fatty acids reduces adiposity and some atherogenic factors but does not improve insulin sensitivity in women with type 2 diabetes: a randomized controlled study. <i>American Journal of Clinical Nutrition</i> , <b>2007</b> , 86, 1670-9	7	229
18	Changes in gene expression in skeletal muscle in response to fat overfeeding in lean men. <i>Obesity</i> , <b>2007</b> , 15, 2583-94	8	35
17	Acute hyperglycemia induces a global downregulation of gene expression in adipose tissue and skeletal muscle of healthy subjects. <i>Diabetes</i> , <b>2007</b> , 56, 992-9	0.9	59
16	Regulation of gene expression by glucose. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2007</b> , 10, 518-22	3.8	26
15	Treatment for 2 mo with n $\beta$ polyunsaturated fatty acids reduces adiposity and some atherogenic factors but does not improve insulin sensitivity in women with type 2 diabetes: a randomized controlled study. <i>American Journal of Clinical Nutrition</i> , <b>2007</b> , 86, 1670-1679	7	131
14	Nitrogen-fixing sinorhizobia with <i>Medicago laciniata</i> constitute a novel biovar (bv. <i>medicaginis</i> ) of <i>S. meliloti</i> . <i>Systematic and Applied Microbiology</i> , <b>2006</b> , 29, 526-38	4.2	58
13	Clustering biological annotations and gene expression data to identify putatively co-regulated biological processes. <i>Journal of Bioinformatics and Computational Biology</i> , <b>2006</b> , 4, 833-52	1	18
12	Constraint-based concept mining and its application to microarray data analysis. <i>Intelligent Data Analysis</i> , <b>2005</b> , 9, 59-82	1.1	64

11	Genomic of Skeletal Muscle and its Implications in the Metabolic Syndrome <b>2005</b> , 153-161		
10	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
9	Early events in islets and pancreatic lymph nodes in autoimmune diabetes. <i>Journal of Autoimmunity</i> , <b>2004</b> , 23, 27-35	15.5	30
8	The ubiquitin-proteasome pathway is a new partner for the control of insulin signaling. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2004</b> , 7, 249-54	3.8	36
7	Microarray profiling of human skeletal muscle reveals that insulin regulates approximately 800 genes during a hyperinsulinemic clamp. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 18063-8	5.4	145
6	The regionalization of PepT1, NBAT and EAAC1 transporters in the small intestine of rats are unchanged from birth to adulthood. <i>Journal of Nutrition</i> , <b>2002</b> , 132, 1009-11	4.1	38
5	Metabolic evidence for adaptation to a high protein diet in rats. <i>Journal of Nutrition</i> , <b>2001</b> , 131, 91-8	4.1	129
4	Distribution of phenolic compounds within seed and seedlings of two <i>Vicia faba</i> cvs differing in their seed tannin content, and study of their seed and root phenolic exudations. <i>Plant and Soil</i> , <b>1998</b> , 203, 27-36	4.2	48
3	Rapid identification of <i>Medicago</i> nodulating strains by using two oligonucleotide probes complementary to 16S rDNA sequences. <i>Canadian Journal of Microbiology</i> , <b>1997</b> , 43, 854-61	3.2	10
2	Importance des composés phénoliques dans les interactions entre plantes et microorganismes: exemple des relations <i>Rhizobium</i> /légumineuses. <i>Acta Botanica Gallica</i> , <b>1996</b> , 143, 521-529		3
1	Evidence that two genomic species of <i>Rhizobium</i> are associated with <i>Medicago truncatula</i> . <i>Archives of Microbiology</i> , <b>1996</b> , 165, 285-8	3	34