

# Sylvie Lesage

## List of Publications by Citations

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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

3,358

citations

26

h-index

57

g-index

94

ext. papers

3,799

ext. citations

8.1

avg, IF

4.86

L-index

#	Paper	IF	Citations
87	Aire regulates negative selection of organ-specific T cells. <i>Nature Immunology</i> , <b>2003</b> , 4, 350-4	19.1	650
86	Novel dimeric Nur77 signaling mechanism in endocrine and lymphoid cells. <i>Molecular and Cellular Biology</i> , <b>1997</b> , 17, 5946-51	4.8	313
85	Identifying the MAGUK protein Carma-1 as a central regulator of humoral immune responses and atopy by genome-wide mouse mutagenesis. <i>Immunity</i> , <b>2003</b> , 18, 751-62	32.3	261
84	Gene dosage--limiting role of Aire in thymic expression, clonal deletion, and organ-specific autoimmunity. <i>Journal of Experimental Medicine</i> , <b>2004</b> , 200, 1015-26	16.6	254
83	Antagonism between Nur77 and glucocorticoid receptor for control of transcription. <i>Molecular and Cellular Biology</i> , <b>1997</b> , 17, 5952-9	4.8	173
82	The Importance of Dendritic Cells in Maintaining Immune Tolerance. <i>Journal of Immunology</i> , <b>2017</b> , 198, 2223-2231	5.3	140
81	Generalized Resistance to Thymic Deletion in the NOD Mouse A Polygenic Trait Characterized by Defective Induction of Bim. <i>Immunity</i> , <b>2004</b> , 21, 817-830	32.3	125
80	Failure to censor forbidden clones of CD4 T cells in autoimmune diabetes. <i>Journal of Experimental Medicine</i> , <b>2002</b> , 196, 1175-88	16.6	123
79	Genetic predisposition for beta cell fragility underlies type 1 and type 2 diabetes. <i>Nature Genetics</i> , <b>2016</b> , 48, 519-27	36.3	83
78	Specific activation of the cysteine protease CPP32 during the negative selection of T cells in the thymus. <i>Journal of Experimental Medicine</i> , <b>1997</b> , 186, 1503-12	16.6	81
77	Generalized resistance to thymic deletion in the NOD mouse; a polygenic trait characterized by defective induction of Bim. <i>Immunity</i> , <b>2004</b> , 21, 817-30	32.3	80
76	Expression of the self-marker CD47 on dendritic cells governs their trafficking to secondary lymphoid organs. <i>EMBO Journal</i> , <b>2006</b> , 25, 5560-8	13	76
75	A comprehensive review of the phenotype and function of antigen-specific immunoregulatory double negative T cells. <i>Journal of Autoimmunity</i> , <b>2013</b> , 40, 58-65	15.5	66
74	CD4+ CD8+ thymocytes are preferentially induced to die following CD45 cross-linking, through a novel apoptotic pathway. <i>Journal of Immunology</i> , <b>1997</b> , 159, 4762-71	5.3	62
73	Genetic lesions in T-cell tolerance and thresholds for autoimmunity. <i>Immunological Reviews</i> , <b>2005</b> , 204, 87-101	11.3	57
72	IL23R (Interleukin 23 Receptor) Variants Protective against Inflammatory Bowel Diseases (IBD) Display Loss of Function due to Impaired Protein Stability and Intracellular Trafficking. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 8673-85	5.4	48
71	T cell tolerance to a neo-self antigen expressed by thymic epithelial cells: the soluble form is more effective than the membrane-bound form. <i>Journal of Immunology</i> , <b>2003</b> , 170, 3954-62	5.3	44

70	Interleukin-10 limits the expansion of immunoregulatory CD4-CD8- T cells in autoimmune-prone non-obese diabetic mice. <i>Immunology and Cell Biology</i> , <b>2010</b> , 88, 771-80	5	34
69	Identification of Glycosylation Sites Essential for Surface Expression of the CaV $\beta$ Subunit and Modulation of the Cardiac CaV1.2 Channel Activity. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 4826-43	5.4	31
68	The dichotomous pattern of IL-12r and IL-23R expression elucidates the role of IL-12 and IL-23 in inflammation. <i>PLoS ONE</i> , <b>2014</b> , 9, e89092	3.7	29
67	Implication of the CD47 pathway in autoimmune diabetes. <i>Journal of Autoimmunity</i> , <b>2010</b> , 35, 23-32	15.5	29
66	Cutting edge: CD47 controls the in vivo proliferation and homeostasis of peripheral CD4+ CD25+ Foxp3+ regulatory T cells that express CD103. <i>Journal of Immunology</i> , <b>2008</b> , 181, 5204-8	5.3	29
65	Functional characterization of CaV $\beta$ mutations associated with sudden cardiac death. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 2854-69	5.4	27
64	Abnormal differentiation of B cells and megakaryocytes in patients with Roifman syndrome. <i>Journal of Allergy and Clinical Immunology</i> , <b>2018</b> , 142, 630-646	11.5	26
63	Redefining interferon-producing killer dendritic cells as a novel intermediate in NK-cell differentiation. <i>Blood</i> , <b>2012</b> , 119, 4349-57	2.2	26
62	Organ-specific autoimmune disease: a deficiency of tolerogenic stimulation. <i>Journal of Experimental Medicine</i> , <b>2001</b> , 194, F31-6	16.6	26
61	Immunoregulatory CD4(-)CD8(-) T cells as a potential therapeutic tool for transplantation, autoimmunity, and cancer. <i>Frontiers in Immunology</i> , <b>2013</b> , 4, 6	8.4	24
60	MARCH1 E3 Ubiquitin Ligase Dampens the Innate Inflammatory Response by Modulating Monocyte Functions in Mice. <i>Journal of Immunology</i> , <b>2017</b> , 198, 852-861	5.3	23
59	Molecular and genetic parameters defining T-cell clonal selection. <i>Immunology and Cell Biology</i> , <b>2011</b> , 89, 16-26	5	23
58	The role of endoplasmic reticulum stress in nonimmune diabetes: NOD.k iHEL, a novel model of beta cell death. <i>Annals of the New York Academy of Sciences</i> , <b>2003</b> , 1005, 178-83	6.5	22
57	The orphan nuclear receptor NR4A3 controls the differentiation of monocyte-derived dendritic cells following microbial stimulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 15150-15159	11.5	18
56	Specific targeting of the IL-23 receptor, using a novel small peptide noncompetitive antagonist, decreases the inflammatory response. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2014</b> , 307, R1216-30	3.2	16
55	Cutting edge: genetic characterization of IFN-producing killer dendritic cells. <i>Journal of Immunology</i> , <b>2009</b> , 182, 5193-7	5.3	16
54	LILAC pilot study: Effects of metformin on mTOR activation and HIV reservoir persistence during antiretroviral therapy. <i>EBioMedicine</i> , <b>2021</b> , 65, 103270	8.8	15
53	Common Heritable Immunological Variations Revealed in Genetically Diverse Inbred Mouse Strains of the Collaborative Cross. <i>Journal of Immunology</i> , <b>2019</b> , 202, 777-786	5.3	15

52	Revisiting the Prominent Anti-Tumoral Potential of Pre-mNK Cells. <i>Frontiers in Immunology</i> , <b>2013</b> , 4, 4468-4	14
51	Thymic selection generates T cells expressing self-reactive TCRs in the absence of CD45. <i>Journal of Immunology</i> , <b>2000</b> , 165, 3073-9	5.3 14
50	The Idd13 congenic interval defines the number of merocytic dendritic cells, a novel trait associated with autoimmune diabetes susceptibility. <i>Journal of Autoimmunity</i> , <b>2013</b> , 43, 70-7	15.5 13
49	High-level intrathymic thyrotrophin receptor expression in thyroiditis-prone mice protects against the spontaneous generation of pathogenic thyrotrophin receptor autoantibodies. <i>Clinical and Experimental Immunology</i> , <b>2017</b> , 188, 243-253	6.2 12
48	The mouse idd2 locus is linked to the proportion of immunoregulatory double-negative T cells, a trait associated with autoimmune diabetes resistance. <i>Journal of Immunology</i> , <b>2014</b> , 193, 3503-12	5.3 12
47	BMP9 signaling promotes the normalization of tumor blood vessels. <i>Oncogene</i> , <b>2020</b> , 39, 2996-3014	9.2 11
46	Restoring T Cell Homeostasis After Allogeneic Stem Cell Transplantation; Principal Limitations and Future Challenges. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 1237	8.4 11
45	Induction of thymocyte deletion by purified single peptide/major histocompatibility complex ligands. <i>Journal of Immunology</i> , <b>1997</b> , 159, 2078-81	5.3 11
44	Absence of CD47 in vivo influences thymic dendritic cell subset proportions but not negative selection of thymocytes. <i>International Immunology</i> , <b>2009</b> , 21, 167-77	4.9 10
43	Mechanism of insulin resistance in a rat model of kidney disease and the risk of developing type 2 diabetes. <i>PLoS ONE</i> , <b>2017</b> , 12, e0176650	3.7 10
42	A cell death pathway induced by antibody-mediated cross-linking of CD45 on lymphocytes. <i>Critical Reviews in Immunology</i> , <b>2003</b> , 23, 421-40	1.8 10
41	Evidence that MHC I-E dampens thyroid autoantibodies and prevents spreading to a second thyroid autoantigen in I-A(k) NOD mice. <i>Genes and Immunity</i> , <b>2015</b> , 16, 268-74	4.4 9
40	Nearby Construction Impedes the Progression to Overt Autoimmune Diabetes in NOD Mice. <i>Journal of Diabetes Research</i> , <b>2013</b> , 2013, 620313	3.9 9
39	The size of the plasmacytoid dendritic cell compartment is a multigenic trait dominated by a locus on mouse chromosome 7. <i>Journal of Immunology</i> , <b>2012</b> , 188, 5561-70	5.3 9
38	Flt3L-Mediated Expansion of Plasmacytoid Dendritic Cells Suppresses HIV Infection in Humanized Mice. <i>Cell Reports</i> , <b>2019</b> , 29, 2770-2782.e5	10.6 9
37	Double-Negative T Cell Levels Correlate with Chronic Graft-versus-Host Disease Severity. <i>Biology of Blood and Marrow Transplantation</i> , <b>2019</b> , 25, 19-25	4.7 9
36	Loss of interleukin-17 receptor D promotes chronic inflammation-associated tumorigenesis. <i>Oncogene</i> , <b>2021</b> , 40, 452-464	9.2 9
35	On-chip refractive index cytometry for whole-cell deformability discrimination. <i>Lab on A Chip</i> , <b>2019</b> , 19, 464-474	7.2 8

34	An Unbiased Linkage Approach Reveals That the p53 Pathway Is Coupled to NK Cell Maturation. <i>Journal of Immunology</i> , <b>2017</b> , 199, 1490-1504	5.3	8
33	Biomarker-guided stratification of autoimmune patients for biologic therapy. <i>Current Opinion in Immunology</i> , <b>2017</b> , 49, 56-63	7.8	7
32	Determination of the Relative Cell Surface and Total Expression of Recombinant Ion Channels Using Flow Cytometry. <i>Journal of Visualized Experiments</i> , <b>2016</b> ,	1.6	6
31	Idd13 is involved in determining immunoregulatory DN T-cell number in NOD mice. <i>Genes and Immunity</i> , <b>2014</b> , 15, 82-7	4.4	6
30	The Importance of Single-Mode Behavior in Silicon-On-Insulator Rib Waveguides With Very Large Cross Section for Resonant Sensing Applications. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2016</b> , 22, 241-248	3.8	6
29	Genes Outside the Major Histocompatibility Complex Locus Are Linked to the Development of Thyroid Autoantibodies and Thyroiditis in NOD.H2h4 Mice. <i>Endocrinology</i> , <b>2017</b> , 158, 702-713	4.8	5
28	Glycolipid Stimulation of Invariant NKT Cells Expands a Unique Tissue-Resident Population of Precursors to Mature NK Cells Endowed with Oncolytic and Antimetastatic Properties. <i>Journal of Immunology</i> , <b>2019</b> , 203, 1808-1819	5.3	4
27	High-throughput refractive index-based microphotonic sensor for enhanced cellular discrimination. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 266, 255-262	8.5	4
26	A ZAP-70 kinase domain variant prevents thymocyte-positive selection despite signalling CD69 induction. <i>Immunology</i> , <b>2014</b> , 141, 587-95	7.8	4
25	FLT3 Ligand Is Dispensable for the Final Stage of Type 1 Conventional Dendritic Cell Differentiation. <i>Journal of Immunology</i> , <b>2020</b> , 205, 2117-2127	5.3	4
24	Upregulated IL-32 Expression And Reduced Gut Short Chain Fatty Acid Caproic Acid in People Living With HIV With Subclinical Atherosclerosis. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 664371	8.4	4
23	Collagen analogs with phosphorylcholine are inflammation-suppressing scaffolds for corneal regeneration from alkali burns in mini-pigs. <i>Communications Biology</i> , <b>2021</b> , 4, 608	6.7	4
22	NK Cell Proportion and Number Are Influenced by Genetic Loci on Chromosomes 8, 9, and 17. <i>Journal of Immunology</i> , <b>2016</b> , 196, 2627-36	5.3	4
21	BIM determines the number of merocytic dendritic cells, a cell type that breaks immune tolerance. <i>Immunology and Cell Biology</i> , <b>2018</b> , 96, 1008-1017	5	4
20	An orthologous non-MHC locus in rats and mice is linked to CD4 and CD8 T-cell proportion. <i>Genes and Immunity</i> , <b>2017</b> , 18, 118-126	4.4	3
19	MHC-Independent Thymic Selection of CD4 and CD8 Coreceptor Negative $\gamma\delta$ Cells. <i>Journal of Immunology</i> , <b>2020</b> , 205, 133-142	5.3	3
18	Autoimmunity and antibody affinity maturation are modulated by genetic variants on mouse chromosome 12. <i>Journal of Autoimmunity</i> , <b>2015</b> , 58, 90-9	15.5	3
17	Context-dependent effects of IL-2 rewire immunity into distinct cellular circuits		3

16	TCR transgenic mice reveal the impact of type 1 diabetes loci on early and late disease checkpoints. <i>Immunology and Cell Biology</i> , <b>2016</b> , 94, 709-13	5	3
15	Induced and spontaneous colitis mouse models reveal complex interactions between IL-10 and IL-12/IL-23 pathways. <i>Cytokine</i> , <b>2019</b> , 121, 154738	4	2
14	Merocytic Dendritic Cells Compose a Conventional Dendritic Cell Subset with Low Metabolic Activity. <i>Journal of Immunology</i> , <b>2020</b> , 205, 121-132	5.3	2
13	A transcriptome-based approach to identify functional modules within and across primary human immune cells. <i>PLoS ONE</i> , <b>2020</b> , 15, e0233543	3.7	2
12	Unusual selection and peripheral homeostasis for immunoregulatory CD4(-) [CD8(-) T cells. <i>Immunology</i> , <b>2013</b> , 139, 129-39	7.8	2
11	Functional screen of inflammatory bowel disease genes reveals key epithelial functions. <i>Genome Medicine</i> , <b>2021</b> , 13, 181	14.4	2
10	Acute invariant NKT cell activation triggers an immune response that drives prominent changes in iron homeostasis. <i>Scientific Reports</i> , <b>2020</b> , 10, 21026	4.9	1
9	Genetic interaction between two insulin-dependent diabetes susceptibility loci, Idd2 and Idd13, in determining immunoregulatory DN T cell proportion. <i>Immunogenetics</i> , <b>2018</b> , 70, 495-509	3.2	1
8	Inhibitory effects of T-cell stimulation and co-stimulation observed at high concentrations of plate-bound antibodies. <i>Journal of Immunological Methods</i> , <b>2001</b> , 255, 23-6	2.5	1
7	Humoral responses to the measles, mumps and rubella vaccine are impaired in Leigh Syndrome French Canadian patients. <i>PLoS ONE</i> , <b>2020</b> , 15, e0239860	3.7	1
6	Bisphosphoglycerate Mutase Deficiency Protects against Cerebral Malaria and Severe Malaria-Induced Anemia. <i>Cell Reports</i> , <b>2020</b> , 32, 108170	10.6	1
5	Applying for Junior Faculty Positions as a Research Scientist. <i>Stroke</i> , <b>2021</b> , 52, e360-e363	6.7	1
4	Starting Your Independent Research Laboratory. <i>Stroke</i> , <b>2021</b> , 52, e520-e522	6.7	1
3	The NOD Mouse Beyond Autoimmune Diabetes.. <i>Frontiers in Immunology</i> , <b>2022</b> , 13, 874769	8.4	1
2	Evidence of genetic epistasis in autoimmune diabetes susceptibility revealed by mouse congenic sublines. <i>Immunogenetics</i> , <b>2021</b> , 73, 307-319	3.2	0
1	CD5 levels reveal distinct basal T-cell receptor signals in T cells from non-obese diabetic mice. <i>Immunology and Cell Biology</i> , <b>2021</b> , 99, 656-667	5	0