

# Rosa Bacchetta

## List of Publications by Citations

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104  
papers

10,580  
citations

51  
h-index

102  
g-index

111  
ext. papers

12,215  
ext. citations

8.7  
avg, IF

5.94  
L-index

#	Paper	IF	Citations
104	Interleukin-10-secreting type 1 regulatory T cells in rodents and humans. <i>Immunological Reviews</i> , <b>2006</b> , 212, 28-50	11.3	966
103	Activation-induced FOXP3 in human T effector cells does not suppress proliferation or cytokine production. <i>International Immunology</i> , <b>2007</b> , 19, 345-54	4.9	684
102	Type 1 T regulatory cells. <i>Immunological Reviews</i> , <b>2001</b> , 182, 68-79	11.3	684
101	Chemically modified guide RNAs enhance CRISPR-Cas genome editing in human primary cells. <i>Nature Biotechnology</i> , <b>2015</b> , 33, 985-989	44.5	626
100	Coexpression of CD49b and LAG-3 identifies human and mouse T regulatory type 1 cells. <i>Nature Medicine</i> , <b>2013</b> , 19, 739-46	50.5	525
99	Defective regulatory and effector T cell functions in patients with FOXP3 mutations. <i>Journal of Clinical Investigation</i> , <b>2006</b> , 116, 1713-22	15.9	383
98	Reprogramming human T cell function and specificity with non-viral genome targeting. <i>Nature</i> , <b>2018</b> , 559, 405-409	50.4	367
97	High levels of interleukin 10 production in vivo are associated with tolerance in SCID patients transplanted with HLA mismatched hematopoietic stem cells. <i>Journal of Experimental Medicine</i> , <b>1994</b> , 179, 493-502	16.6	353
96	The role of 2 FOXP3 isoforms in the generation of human CD4+ Tregs. <i>Journal of Clinical Investigation</i> , <b>2005</b> , 115, 3276-84	15.9	334
95	The role of IL-10 and TGF-beta in the differentiation and effector function of T regulatory cells. <i>International Archives of Allergy and Immunology</i> , <b>2002</b> , 129, 263-76	3.7	306
94	Immune dysregulation, polyendocrinopathy, enteropathy, x-linked syndrome: a paradigm of immunodeficiency with autoimmunity. <i>Frontiers in Immunology</i> , <b>2012</b> , 3, 211	8.4	228
93	Tr1 cells: from discovery to their clinical application. <i>Seminars in Immunology</i> , <b>2006</b> , 18, 120-7	10.7	225
92	Role of regulatory T cells and FOXP3 in human diseases. <i>Journal of Allergy and Clinical Immunology</i> , <b>2007</b> , 120, 227-35; quiz 236-7	11.5	194
91	CD4+ T-regulatory cells: toward therapy for human diseases. <i>Immunological Reviews</i> , <b>2008</b> , 223, 391-421	11.3	194
90	From IPEX syndrome to FOXP3 mutation: a lesson on immune dysregulation. <i>Annals of the New York Academy of Sciences</i> , <b>2018</b> , 1417, 5-22	6.5	186
89	Generation of potent and stable human CD4+ T regulatory cells by activation-independent expression of FOXP3. <i>Molecular Therapy</i> , <b>2008</b> , 16, 194-202	11.7	173
88	Clinical and molecular profile of a new series of patients with immune dysregulation, polyendocrinopathy, enteropathy, X-linked syndrome: inconsistent correlation between forkhead box protein 3 expression and disease severity. <i>Journal of Allergy and Clinical Immunology</i> , <b>2008</b> , 122, 1105-1112.e1	11.5	165

87	Growth and expansion of human T regulatory type 1 cells are independent from TCR activation but require exogenous cytokines. <i>European Journal of Immunology</i> , <b>2002</b> , 32, 2237-45	6.1	162
86	Tr1 cells and the counter-regulation of immunity: natural mechanisms and therapeutic applications. <i>Current Topics in Microbiology and Immunology</i> , <b>2014</b> , 380, 39-68	3.3	161
85	Long-term follow-up of IPEX syndrome patients after different therapeutic strategies: An international multicenter retrospective study. <i>Journal of Allergy and Clinical Immunology</i> , <b>2018</b> , 141, 1036-1049.e5	11.5	157
84	STAT5-signaling cytokines regulate the expression of FOXP3 in CD4+CD25+ regulatory T cells and CD4+CD25- effector T cells. <i>International Immunology</i> , <b>2008</b> , 20, 421-31	4.9	142
83	Human IL2RA null mutation mediates immunodeficiency with lymphoproliferation and autoimmunity. <i>Clinical Immunology</i> , <b>2013</b> , 146, 248-61	9	141
82	CD4+ regulatory T cells: mechanisms of induction and effector function. <i>Autoimmunity Reviews</i> , <b>2005</b> , 4, 491-6	13.6	140
81	Interleukin 10 inhibits allogeneic proliferative and cytotoxic T cell responses generated in primary mixed lymphocyte cultures. <i>International Immunology</i> , <b>1992</b> , 4, 1389-97	4.9	125
80	The Biology of T Regulatory Type 1 Cells and Their Therapeutic Application in Immune-Mediated Diseases. <i>Immunity</i> , <b>2018</b> , 49, 1004-1019	32.3	123
79	Accumulation of peripheral autoreactive B cells in the absence of functional human regulatory T cells. <i>Blood</i> , <b>2013</b> , 121, 1595-603	2.2	118
78	Hurdles in therapy with regulatory T cells. <i>Science Translational Medicine</i> , <b>2015</b> , 7, 304ps18	17.5	114
77	Immunological Outcome in Haploidentical-HSC Transplanted Patients Treated with IL-10-Anergized Donor T Cells. <i>Frontiers in Immunology</i> , <b>2014</b> , 5, 16	8.4	107
76	Killing of myeloid APCs via HLA class I, CD2 and CD226 defines a novel mechanism of suppression by human Tr1 cells. <i>European Journal of Immunology</i> , <b>2011</b> , 41, 1652-62	6.1	97
75	CD4+ T cells from IPEX patients convert into functional and stable regulatory T cells by FOXP3 gene transfer. <i>Science Translational Medicine</i> , <b>2013</b> , 5, 215ra174	17.5	89
74	IL-21 signalling via STAT3 primes human naive B cells to respond to IL-2 to enhance their differentiation into plasmablasts. <i>Blood</i> , <b>2013</b> , 122, 3940-50	2.2	84
73	Clinical features and follow-up in patients with 22q11.2 deletion syndrome. <i>Journal of Pediatrics</i> , <b>2014</b> , 164, 1475-80.e2	3.6	83
72	Host-reactive CD4+ and CD8+ T cell clones isolated from a human chimera produce IL-5, IL-2, IFN-gamma and granulocyte/macrophage-colony-stimulating factor but not IL-4. <i>Journal of Immunology</i> , <b>1990</b> , 144, 902-8	5.3	79
71	Regulatory T cells and their roles in immune dysregulation and allergy. <i>Immunologic Research</i> , <b>2014</b> , 58, 358-68	4.3	75
70	Regulated and multiple miRNA and siRNA delivery into primary cells by a lentiviral platform. <i>Molecular Therapy</i> , <b>2009</b> , 17, 1039-52	11.7	74

69	Selective engraftment of donor CD4+25high FOXP3-positive T cells in IPEX syndrome after nonmyeloablative hematopoietic stem cell transplantation. <i>Blood</i> , <b>2009</b> , 113, 5689-91	2.2	65
68	Tregopathies: Monogenic diseases resulting in regulatory T-cell deficiency. <i>Journal of Allergy and Clinical Immunology</i> , <b>2018</b> , 142, 1679-1695	11.5	65
67	Antigen recognition by MHC-incompatible cells of a human mismatched chimera. <i>Journal of Experimental Medicine</i> , <b>1988</b> , 168, 2139-52	16.6	62
66	Clinical tolerance in allogeneic hematopoietic stem cell transplantation. <i>Immunological Reviews</i> , <b>2011</b> , 241, 145-63	11.3	60
65	Human hematopoietic cells and thymic epithelial cells induce tolerance via different mechanisms in the SCID-hu mouse thymus. <i>Journal of Experimental Medicine</i> , <b>1992</b> , 175, 1033-43	16.6	60
64	Functional type 1 regulatory T cells develop regardless of FOXP3 mutations in patients with IPEX syndrome. <i>European Journal of Immunology</i> , <b>2011</b> , 41, 1120-31	6.1	59
63	Congenital diarrhoeal disorders: advances in this evolving web of inherited enteropathies. <i>Nature Reviews Gastroenterology and Hepatology</i> , <b>2015</b> , 12, 293-302	24.2	58
62	Human inborn errors of immunity: An expanding universe. <i>Science Immunology</i> , <b>2020</b> , 5,	28	58
61	An anti-CD45RO/RB monoclonal antibody modulates T cell responses via induction of apoptosis and generation of regulatory T cells. <i>Journal of Experimental Medicine</i> , <b>2005</b> , 201, 1293-305	16.6	58
60	Severe autoinflammation in 4 patients with C-terminal variants in cell division control protein 42 homolog (CDC42) successfully treated with IL-1 $\beta$ inhibition. <i>Journal of Allergy and Clinical Immunology</i> , <b>2019</b> , 144, 1122-1125.e6	11.5	55
59	A novel function for FOXP3 in humans: intrinsic regulation of conventional T cells. <i>Blood</i> , <b>2013</b> , 121, 1265-75	25	55
58	Demethylation analysis of the FOXP3 locus shows quantitative defects of regulatory T cells in IPEX-like syndrome. <i>Journal of Autoimmunity</i> , <b>2012</b> , 38, 49-58	15.5	55
57	Natural killer cell clones can efficiently process and present protein antigens. <i>Journal of Immunology</i> , <b>1991</b> , 147, 781-7	5.3	54
56	Type 1 regulatory T cells are associated with persistent split erythroid/lymphoid chimerism after allogeneic hematopoietic stem cell transplantation for thalassemia. <i>Haematologica</i> , <b>2009</b> , 94, 1415-26	6.6	53
55	Gene therapy for primary immunodeficiencies: Part 2. <i>Current Opinion in Immunology</i> , <b>2012</b> , 24, 585-91	7.8	51
54	Molecular and functional characterization of allogantigen-specific anergic T cells suitable for cell therapy. <i>Haematologica</i> , <b>2010</b> , 95, 2134-43	6.6	51
53	Identity and Diversity of Human Peripheral Th and T Regulatory Cells Defined by Single-Cell Mass Cytometry. <i>Journal of Immunology</i> , <b>2018</b> , 200, 336-346	5.3	51
52	Autoantibodies to harmonin and villin are diagnostic markers in children with IPEX syndrome. <i>PLoS ONE</i> , <b>2013</b> , 8, e78664	3.7	50

51	Identification of STAT5A and STAT5B target genes in human T cells. <i>PLoS ONE</i> , <b>2014</b> , 9, e86790	3.7	49
50	Forkhead box protein 3 (FOXP3) mutations lead to increased TH17 cell numbers and regulatory T-cell instability. <i>Journal of Allergy and Clinical Immunology</i> , <b>2011</b> , 128, 1376-1379.e1	11.5	47
49	Clinical heterogeneity and diagnostic delay of autoimmune polyendocrinopathy-candidiasis-ectodermal dystrophy syndrome. <i>Clinical Immunology</i> , <b>2011</b> , 139, 6-11	9	43
48	Point mutants of forkhead box P3 that cause immune dysregulation, polyendocrinopathy, enteropathy, X-linked have diverse abilities to reprogram T cells into regulatory T cells. <i>Journal of Allergy and Clinical Immunology</i> , <b>2010</b> , 126, 1242-51	11.5	41
47	CRISPR-based gene editing enables gene repair in IPEX patient cells. <i>Science Advances</i> , <b>2020</b> , 6, eaaz0571	14.3	38
46	Wild-type FOXP3 is selectively active in CD4+CD25(hi) regulatory T cells of healthy female carriers of different FOXP3 mutations. <i>Blood</i> , <b>2009</b> , 114, 4138-41	2.2	37
45	Epigenetic immune cell counting in human blood samples for immunodiagnostics. <i>Science Translational Medicine</i> , <b>2018</b> , 10,	17.5	35
44	Differentiating the roles of STAT5B and STAT5A in human CD4+ T cells. <i>Clinical Immunology</i> , <b>2013</b> , 148, 227-36	9	35
43	Minimum Information about T Regulatory Cells: A Step toward Reproducibility and Standardization. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 1844	8.4	34
42	Reappraisal of in utero stem cell transplantation based on long-term results. <i>Fetal Diagnosis and Therapy</i> , <b>2004</b> , 19, 305-12	2.4	33
41	Chimerism and tolerance to host and donor in severe combined immunodeficiencies transplanted with fetal liver stem cells. <i>Journal of Clinical Investigation</i> , <b>1993</b> , 91, 1067-78	15.9	31
40	Forkhead box P3: the peacekeeper of the immune system. <i>International Reviews of Immunology</i> , <b>2014</b> , 33, 129-45	4.6	30
39	Intergenerational and intrafamilial phenotypic variability in 22q11.2 deletion syndrome subjects. <i>BMC Medical Genetics</i> , <b>2014</b> , 15, 1	2.1	28
38	Methods for in vitro generation of human type 1 regulatory T cells. <i>Methods in Molecular Biology</i> , <b>2011</b> , 677, 31-46	1.4	27
37	Fatal autoimmunity in mice reconstituted with human hematopoietic stem cells encoding defective FOXP3. <i>Blood</i> , <b>2015</b> , 125, 3886-95	2.2	26
36	Hematopoietic Cell Transplantation in Patients With Primary Immune Regulatory Disorders (PIRD): A Primary Immune Deficiency Treatment Consortium (PIDTC) Survey. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 239	8.4	25
35	Treatment with rapamycin can restore regulatory T-cell function in IPEX patients. <i>Journal of Allergy and Clinical Immunology</i> , <b>2020</b> , 145, 1262-1271.e13	11.5	24
34	Interleukin-2 production and interleukin-2 receptor expression in children with newly diagnosed diabetes. <i>Clinical Immunology and Immunopathology</i> , <b>1988</b> , 49, 53-62		23

33	Human Ig production and isotype switching in severe combined immunodeficient-human mice. <i>Journal of Immunology</i> , <b>1993</b> , 151, 128-37	5.3	23
32	Peanut-specific type 1 regulatory T cells induced in vitro from allergic subjects are functionally impaired. <i>Journal of Allergy and Clinical Immunology</i> , <b>2018</b> , 141, 202-213.e8	11.5	20
31	Neutralizing Anti-Cytokine Autoantibodies Against Interferon- $\gamma$ in Immunodysregulation Polyendocrinopathy Enteropathy X-Linked. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 544	8.4	19
30	Combined DOCK8 and CLEC7A mutations causing immunodeficiency in 3 brothers with diarrhea, eczema, and infections. <i>Journal of Allergy and Clinical Immunology</i> , <b>2013</b> , 131, 594-7.e1-3	11.5	19
29	Gene/cell therapy approaches for Immune Dysregulation Polyendocrinopathy Enteropathy X-linked syndrome. <i>Current Gene Therapy</i> , <b>2014</b> , 14, 422-8	4.3	19
28	Forkhead-Box-P3 Gene Transfer in Human CD4 T Conventional Cells for the Generation of Stable and Efficient Regulatory T Cells, Suitable for Immune Modulatory Therapy. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 1282	8.4	18
27	Regulatory T cells: prospective for clinical application in hematopoietic stem cell transplantation. <i>Current Opinion in Hematology</i> , <b>2005</b> , 12, 451-6	3.3	17
26	Induction of transplantation tolerance in humans using fetal cell transplants. <i>Transplantation Proceedings</i> , <b>2005</b> , 37, 65-6	1.1	13
25	Case Study: Mechanism for Increased Follicular Helper T Cell Development in Activated PI3K Delta Syndrome. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 753	8.4	12
24	Role of human forkhead box P3 in early thymic maturation and peripheral T-cell homeostasis. <i>Journal of Allergy and Clinical Immunology</i> , <b>2018</b> , 142, 1909-1921.e9	11.5	12
23	APVO210: A Bispecific Anti-CD86-IL-10 Fusion Protein (ADAPTIR) to Induce Antigen-Specific T Regulatory Type 1 Cells. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 881	8.4	12
22	Ectopic FOXP3 Expression Preserves Primitive Features Of Human Hematopoietic Stem Cells While Impairing Functional T Cell Differentiation. <i>Scientific Reports</i> , <b>2017</b> , 7, 15820	4.9	12
21	Interleukin-10 Anergized Donor T Cell Infusion Improves Immune Reconstitution without Severe Graft-Versus-Host-Disease After Haploidentical Hematopoietic Stem Cell Transplantation.. <i>Blood</i> , <b>2009</b> , 114, 45-45	2.2	11
20	Severe <i>Toxoplasma gondii</i> infection in a member of a NFKB2-deficient family with T and B cell dysfunction. <i>Clinical Immunology</i> , <b>2017</b> , 183, 273-277	9	10
19	Immunodeficiency with autoimmunity: beyond the paradox. <i>Frontiers in Immunology</i> , <b>2013</b> , 4, 77	8.4	9
18	A SCID patient reconstituted with HLA-incompatible fetal stem cells as a model for studying transplantation tolerance. <i>Nouvelle Revue Française Dthnologie</i> , <b>1991</b> , 17, 391-402		8
17	Utilizing regulatory T cells to control alloreactivity. <i>Cytotherapy</i> , <b>2005</b> , 7, 158-65	4.8	7
16	Expression of conformationally constrained adhesion peptide in an antibody CDR loop and inhibition of natural killer cell cytotoxic activity by an antibody antigenized with the RGD motif. <i>EMBO Journal</i> , <b>1993</b> , 12, 4375-84	13	7

15	The autoimmune targets in IPEX are dominated by gut epithelial proteins. <i>Journal of Allergy and Clinical Immunology</i> , <b>2019</b> , 144, 327-330.e8	11.5	6
14	Human-engineered Treg-like cells suppress FOXP3-deficient T cells but preserve adaptive immune responses. <i>Clinical and Translational Immunology</i> , <b>2020</b> , 9, e1214	6.8	6
13	Immunological lessons learnt from patients transplanted with fully mismatched stem cells. <i>Immunologic Research</i> , <b>2007</b> , 38, 201-9	4.3	6
12	Clinical improvement and normalized Th1 cytokine profile in early and long-term interferon-alpha treatment in a suspected case of hyper-IgE syndrome. <i>Pediatric Allergy and Immunology</i> , <b>2008</b> , 19, 564-8	4.2	4
11	T-cell subsets and their cytokine profiles in transplantation and tolerance. <i>Annals of the New York Academy of Sciences</i> , <b>1995</b> , 770, 141-8	6.5	4
10	Engineered type 1 regulatory T cells designed for clinical use kill primary pediatric acute myeloid leukemia cells. <i>Haematologica</i> , <b>2021</b> , 106, 2588-2597	6.6	4
9	Type 1 Diabetes Mellitus in Monogenic Autoimmune Diseases. <i>Frontiers in Diabetes</i> , <b>2017</b> , 78-90	0.6	2
8	Alloantigen-specific type 1 regulatory T cells suppress through CTLA-4 and PD-1 pathways and persist long-term in patients. <i>Science Translational Medicine</i> , <b>2021</b> , 13, eabf5264	17.5	2
7	Thymic origins of autoimmunity-lessons from inborn errors of immunity. <i>Seminars in Immunopathology</i> , <b>2021</b> , 43, 65-83	12	2
6	Pre-clinical development and molecular characterization of an engineered type 1 regulatory T-cell product suitable for immunotherapy. <i>Cytotherapy</i> , <b>2021</b> , 23, 1017-1028	4.8	1
5	Co-Expression of FOXP3 <sup>FL</sup> and FOXP3 <sup>Δ</sup> Isoforms Is Required for Optimal Treg-Like Cell Phenotypes and Suppressive Function. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 752394	8.4	0
4	BHLHE40 Regulates IL-10 and IFN- Production in T Cells but Does Not Interfere With Human Type 1 Regulatory T Cell Differentiation. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 683680	8.4	0
3	146 Alloantigen-specific Tr1 cells designed to prevent GvHD have a distinct molecular identity and suppress through CTLA-4 and PD-1		
2	Immunodysregulation, Polyendocrinopathy, and Enteropathy, X-Linked (IPEX) Syndrome <b>2016</b> , 444-450		
1	Congenital Immunodeficiency Diseases <b>2016</b> , 45-81		