Eric Spierings

List of Publications by Year
in descending order

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123 papers	3,251 citations	126858 33 h-index	182361 51 g-index
130 all docs	130 docs citations	130 times ranked	3534 citing authors

#	Article	IF	Citations
1	The DBY gene codes for an HLA-DQ5â€“restricted human male-specific minor histocompatibility antigen involved in graft-versus-host disease. Blood, 2002, 99, 3027-3032.	0.6	156
2	Identification of HLA class II-restricted H-Y-specific T-helper epitope evoking CD4+ T-helper cells in H-Y-mismatched transplantation. Lancet, The, 2003, 362, 610-615.	6.3	120
3	The minor histocompatibility antigen HA-3 arises from differential proteasomeâ€“mediated cleavage of the lymphoid blast crisis (Lbc) oncoprotein. Blood, 2003, 102, 621-629.	0.6	118
4	Donorâ€“Recipient Matching Based on Predicted Indirectly Recognizable HLA Epitopes Independently Predicts the Incidence of De Novo Donor-Specific HLA Antibodies Following Renal Transplantation. American Journal of Transplantation, 2017, 17, 3076-3086.	2.6	117
5	PD-1+CD8+ T cells are clonally expanding effectors in human chronic inflammation. Journal of Clinical Investigation, 2018, 128, 4669-4681.	3.9	98
6	Multicenter Analyses Demonstrate Significant Clinical Effects of Minor Histocompatibility Antigens on GvHD and GvL after HLA-Matched Related and Unrelated Hematopoietic Stem Cell Transplantation. Biology of Blood and Marrow Transplantation, 2013, 19, 1244-1253.	2.0	93
7	Predicted indirectly recognizable HLA epitopes presented by HLA-DR correlate with the de novo development of donor-specific HLA IgG antibodies after kidney transplantation. Human Immunology, 2013, 74, 290-296.	1.2	88
8	Autologous stem cell transplantation aids autoimmune patients by functional renewal and TCR diversification of regulatory T cells. Blood, 2016, 127, 91-101.	0.6	87
9	Minor histocompatibility antigens: past, present, and future. Tissue Antigens, 2014, 84, 374-360.	1.0	80
10	Mycobacterium leprae-Specific, HLA Class II-Restricted Killing of Human Schwann Cells by CD4+ Th1 Cells: A Novel Immunopathogenic Mechanism of Nerve Damage in Leprosy. Journal of Immunology, 2001, 166, 5883-5888.	0.4	73
11	Minor histocompatibility antigens â€“ big in tumour therapy. Trends in Immunology, 2004, 25, 56-60.	2.9	73
12	Phenotype Frequencies of Autosomal Minor Histocompatibility Antigens Display Significant Differences among Populations. PLoS Genetics, 2007, 3, e103.	1.5	68
13	Matching for the nonconventional MHC-I MICA gene significantly reduces the incidence of acute and chronic GVHD. Blood, 2016, 128, 1979-1986.	0.6	66
14	Association of HY-restricting HLA class II alleles with pregnancy outcome in patients with recurrent miscarriage subsequent to a firstborn boy. Human Molecular Genetics, 2009, 18, 1684-1691.	1.4	65
15	Differential effects of donor-specific HLA antibodies in living versus deceased donor transplant. American Journal of Transplantation, 2018, 18, 2274-2284.	2.6	65
16	A Uniform Genomic Minor Histocompatibility Antigen Typing Methodology and Database Designed to Facilitate Clinical Applications. PLoS ONE, 2006, 1, e42.	1.1	65
17	Biomarker profiling of steroid-resistant acute GVHD in patients after infusion of mesenchymal stromal cells. Leukemia, 2015, 29, 1839-1846.	3.3	64
18	PIRCHE-II Is Related to Graft Failure after Kidney Transplantation. Frontiers in Immunology, 2018, 9, 321.	2.2	63

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19	Matching of the Minor Histocompatibility Antigen HLA-A1/H-Y May Improve Prognosis in Corneal Transplantation. Transplantation, 2006, 82, 1037-1041.	0.5	57
20	Predicting Alloreactivity in Transplantation. Journal of Immunology Research, 2014, 2014, 1-12.	0.9	56
21	Novel mechanisms in the immunopathogenesis of leprosy nerve damage: The role of Schwann cells, T cells and Mycobacterium leprae. Immunology and Cell Biology, 2000, 78, 349-355.	1.0	53
22	Risk assessment in haematopoietic stem cell transplantation: Minor histocompatibility antigens. Best Practice and Research in Clinical Haematology, 2007, 20, 171-187.	0.7	53
23	Role of HLA-B exon 1 in graft-versus-host disease after unrelated haemopoietic cell transplantation: a retrospective cohort study. Lancet Haematology,the, 2020, 7, e50-e60.	2.2	53
24	Noninvasive Imaging of Human Immune Responses in a Human Xenograft Model of Graft-Versus-Host Disease. Journal of Nuclear Medicine, 2017, 58, 1003-1008.	2.8	46
25	Antibodies against ARHGDIB are associated with long-term kidney graft loss. American Journal of Transplantation, 2019, 19, 3335-3344.	2.6	46
26	PIRCHE-II: an algorithm to predict indirectly recognizable HLA epitopes in solid organ transplantation. Immunogenetics, 2020, 72, 119-129.	1.2	46
27	Identification of minor histocompatibility antigens based on the 1000 Genomes Project. Haematologica, 2014, 99, 1854-1859.	1.7	43
28	A possible role for CCL27/CTACK-CCR10 interaction in recruiting CD4+ T cells to skin in human graft-versus-host disease. British Journal of Haematology, 2006, 133, 538-549.	1.2	42
29	Î³Î´ T-cell Receptors Derived from Breast Cancerâ€“Infiltrating T Lymphocytes Mediate Antitumor Reactivity. Cancer Immunology Research, 2020, 8, 530-543.	1.6	42
30	Predicted Indirectly Recognizable HLA Epitopes Presented by HLA-DRB1 Are Related to HLA Antibody Formation During Pregnancy. American Journal of Transplantation, 2015, 15, 3112-3122.	2.6	41
31	Human Leukocyte Antigen DQ2.2 and Celiac Disease. Journal of Pediatric Gastroenterology and Nutrition, 2013, 56, 428-430.	0.9	38
32	Immunogenicity of Anti-HLA Antibodies in Pancreas and Islet Transplantation. Cell Transplantation, 2016, 25, 2041-2050.	1.2	38
33	Computational Approaches to Facilitate Epitope-Based HLA Matching in Solid Organ Transplantation. Journal of Immunology Research, 2017, 2017, 1-9.	0.9	38
34	Towards effective and safe immunotherapy after allogeneic stem cell transplantation: identification of hematopoietic-specific minor histocompatibility antigen UTA2-1. Leukemia, 2013, 27, 642-649.	3.3	35
35	Matching donor and recipient based on predicted indirectly recognizable human leucocyte antigen epitopes. International Journal of Immunogenetics, 2018, 45, 41-53.	0.8	35
36	H-Y antibody titers are increased in unexplained secondary recurrent miscarriage patients and associated with low male : female ratio in subsequent live births. Human Reproduction, 2010, 25, 2745-2752.	0.4	34

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37	Allocation to highly sensitized patients based on acceptable mismatches results in low rejection rates comparable to nonsensitized patients. American Journal of Transplantation, 2019, 19, 2926-2933.	2.6	32
38	Expanding the immunotherapeutic potential of minor histocompatibility antigens. Journal of Clinical Investigation, 2005, 115, 3397-3400.	3.9	32
39	Cloning, expression and significance of MPT53 for identification of secreted proteins ofMycobacterium tuberculosis. Microbial Pathogenesis, 1999, 26, 207-219.	1.3	31
40	Refinement of the Definition of Permissible HLA-DPB1 Mismatches with Predicted Indirectly ReCognizable HLA-DPB1 Epitopes. Biology of Blood and Marrow Transplantation, 2014, 20, 1705-1710.	2.0	31
41	Toward a Sensible Single-antigen Bead Cutoff Based on Kidney Graft Survival. Transplantation, 2019, 103, 789-797.	0.5	31
42	Steric Hindrance and Fast Dissociation Explain the Lack of Immunogenicity of the Minor Histocompatibility HA-1Arg Null Allele. Journal of Immunology, 2009, 182, 4809-4816.	0.4	28
43	Quality control project of NGS HLA genotyping for the 17th International HLA and Immunogenetics Workshop. Human Immunology, 2019, 80, 228-236.	1.2	27
44	Genetics-first approach improves diagnostics of ESKD patients <50 years old. Nephrology Dialysis Transplantation, 2022, 37, 349-357.	0.4	27
45	Analysis of T and B Cell Epitopes to Predict the Risk of de novo Donor-Specific Antibody (DSA) Production After Kidney Transplantation: A Two-Center Retrospective Cohort Study. Frontiers in Immunology, 2020, 11, 2000.	2.2	26
46	The PROCARE consortium: Toward an improved allocation strategy for kidney allografts. Transplant Immunology, 2014, 31, 184-190.	0.6	25
47	Efficacy of host-dendritic cell vaccinations with or without minor histocompatibility antigen loading, combined with donor lymphocyte infusion in multiple myeloma patients. Bone Marrow Transplantation, 2017, 52, 228-237.	1.3	25
48	Development and Validation of a Multiplex Non-HLA Antibody Assay for the Screening of Kidney Transplant Recipients. Frontiers in Immunology, 2018, 9, 3002.	2.2	25
49	Pretransplant C3d-Fixing Donor-Specific Anti-HLA Antibodies Are Not Associated with Increased Risk for Kidney Graft Failure. Journal of the American Society of Nephrology: JASN, 2018, 29, 2279-2285.	3.0	25
50	The mammalian cell entry operon 1 (mce1) of Mycobacterium leprae and Mycobacterium tuberculosis. Microbial Pathogenesis, 1999, 27, 173-177.	1.3	23
51	The increase of the global donor inventory is of limited benefit to patients of non-Northwestern European descent. Haematologica, 2017, 102, 176-183.	1.7	22
52	Indirectly Recognized HLA-C Mismatches and Their Potential Role in Transplant Outcome. Frontiers in Immunology, 2014, 5, 210.	2.2	21
53	A phase I/II minor histocompatibility antigen-loaded dendritic cell vaccination trial to safely improve the efficacy of donor lymphocyte infusions in myeloma. Bone Marrow Transplantation, 2017, 52, 1378-1383.	1.3	21
54	Next-generation HLA typing of 382 International Histocompatibility Working Group reference B-lymphoblastoid cell lines: Report from the 17th International HLA and Immunogenetics Workshop. Human Immunology, 2019, 80, 449-460.	1.2	20

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55	The MHC class I MICA gene is a histocompatibility antigen in kidney transplantation. Nature Medicine, 2022, 28, 989-998.	15.2	20
56	Predictive impact of allele-matching and EBMT risk score for outcome after T-cell depleted unrelated donor transplantation in poor-risk acute leukemia and myelodysplasia. Leukemia, 2011, 25, 1548-1554.	3.3	19
57	In Situ Detection of HY-Specific T Cells in Acute Graft-versus-Host Diseaseâ€“Affected Male Skin after Sex-Mismatched Stem Cell Transplantation. Biology of Blood and Marrow Transplantation, 2012, 18, 381-387.	2.0	18
58	Predicted Indirectly ReCognizable HLA Epitopes Class I Promote Antileukemia Responses after Cord Blood Transplantation: Indications for a Potential Novel Donor Selection Tool. Biology of Blood and Marrow Transplantation, 2016, 22, 170-173.	2.0	18
59	Exploratory Study of Predicted Indirectly ReCognizable HLA Epitopes in Mismatched Hematopoietic Cell Transplantations. Frontiers in Immunology, 2019, 10, 880.	2.2	17
60	A paired kidney analysis on the impact of pre-transplant anti-HLA antibodies on graft survival. Nephrology Dialysis Transplantation, 2019, 34, 1056-1063.	0.4	17
61	HLA-DQ heterodimers in hematopoietic cell transplantation. Blood, 2022, 139, 3009-3017.	0.6	17
62	How can we reduce costs of solidâ€phase multiplexâ€bead assays used to determine antiâ€<scp>HLA</scp> antibodies?. Hla, 2016, 88, 110-119.	0.4	15
63	Children with celiac disease and high tTGA are genetically and phenotypically different. World Journal of Gastroenterology, 2013, 19, 7114.	1.4	13
64	In situ visualization of antigen-specific T cells in cryopreserved human tissues. Journal of Immunological Methods, 2006, 310, 78-85.	0.6	12
65	Molecular Typing Methods for Minor Histocompatibility Antigens. Methods in Molecular Medicine, 2007, 134, 81-96.	0.8	12
66	Clinical Significance of Shared T Cell Epitope Analysis in Early De Novo Donor-Specific Anti-HLA Antibody Production After Kidney Transplantation and Comparison With Shared B cell Epitope Analysis. Frontiers in Immunology, 2021, 12, 621138.	2.2	11
67	Computational Eurotransplant kidney allocation simulations demonstrate the feasibility and benefit of T-cell epitope matching. PLoS Computational Biology, 2021, 17, e1009248.	1.5	11
68	Modulation of Protective and Pathological Immunity in Mycobacterial Infections. International Archives of Allergy and Immunology, 1997, 113, 400-408.	0.9	10
69	Minor Histocompatibility Antigen DDX3Y Induces HLA-DQ5-Restricted T Cell Responses with Limited TCR-Vβ2 Usage Both In Vivo and In Vitro. Biology of Blood and Marrow Transplantation, 2006, 12, 1114-1124.	2.0	9
70	Exogenous Addition of Minor H Antigen HA-1+ Dendritic Cells to Skin Tissues Ex Vivo Causes Infiltration and Activation of HA-1-Specific Cytotoxic T Cells. Biology of Blood and Marrow Transplantation, 2011, 17, 69-77.	2.0	9
71	Minor H antigen matches and mismatches are equally distributed among recipients with or without complications after <scp>HLA</scp> identical sibling renal transplantation. Tissue Antigens, 2013, 82, 312-316.	1.0	9
72	Completion of HLA protein sequences by automated homology-based nearest-neighbor extrapolation of HLA database sequences. Human Immunology, 2016, 77, 1030-1036.	1.2	9

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73	Compatibility at amino acid position 98 of MICB reduces the incidence of graft-versus-host disease in conjunction with the CMV status. Bone Marrow Transplantation, 2020, 55, 1367-1378.	1.3	9
74	Minor histocompatibility antigens: targets for tumour therapy and transplant tolerance. International Journal of Immunogenetics, 2008, 35, 363-366.	0.8	8
75	Functional antigen matching in corneal transplantation: matching for the HLA-A, -B and -DRB1 antigens (FANCY) â€“ study protocol. BMC Ophthalmology, 2014, 14, 156.	0.6	8
76	KIR3DS1 directs NK cellâ€“mediated protection against human adenovirus infections. Science Immunology, 2021, 6, eabe2942.	5.6	8
77	T-Cell Epitopes Shared Between Immunizing HLA and Donor HLA Associate With Graft Failure After Kidney Transplantation. Frontiers in Immunology, 2021, 12, 784040.	2.2	8
78	Complete donor chimerism is a prerequisite for the effect of Predicted Indirectly ReCognizable HLA Epitopes (PIRCHE) on acute graft-versus-host disease. Chimerism, 2014, 5, 94-98.	0.7	7
79	Rejection Prophylaxis in Corneal Transplant. Deutsches Ärzteblatt International, 2018, 115, 259-265.	0.6	7
80	Effect of initial immunosuppression on long-term kidney transplant outcome in immunological low-risk patients. Nephrology Dialysis Transplantation, 2019, 34, 1417-1422.	0.4	7
81	Standard reference sequences for submission of <scp>HLA</scp> genotyping for the 18th International HLA and Immunogenetics Workshop. Hla, 2021, 97, 512-519.	0.4	6
82	Next-Generation HLA Sequence Analysis Uncovers Shared Risk Alleles Between Clinically Distinct Forms of Childhood Uveitis. , 2021, 62, 19.		6
83	Assessment of human leukocyte antigen matching algorithm PIRCHEâ€¥ on liver transplantation outcomes. Liver Transplantation, 2022, 28, 1356-1366.	1.3	6
84	Gene Therapy with IgG-HY Fusion Proteins to Reduce Male-Specific T-Cell ReactivityIn Vitro. Human Gene Therapy, 2011, 22, 44-54.	1.4	5
85	A Previous Miscarriage and a Previous Successful Pregnancy Have a Different Impact on HLA Antibody Formation during a Subsequent Successful Pregnancy. Frontiers in Immunology, 2016, 7, 571.	2.2	5
86	Peptides Derived From Mismatched Paternal Human Leukocyte Antigen Predicted to Be Presented by HLA-DRB1, -DRB3/4/5, -DQ, and -DP Induce Child-Specific Antibodies in Pregnant Women. Frontiers in Immunology, 2021, 12, 797360.	2.2	5
87	Minor Histocompatibility Antigen Typing by DNA Sequencing for Clinical Practice in Hematopoietic Stem-Cell Transplantation. Methods in Molecular Biology, 2012, 882, 509-530.	0.4	4
88	The novel <scp>HLA</scp>â€Ÿ*44:02:27 allele, identified by sequencingâ€bbased typing of a candidate stemâ€¢cell donor. Tissue Antigens, 2013, 81, 230-231.	1.0	4
89	The number of T cell allo-epitopes associates with CD4+ and CD8+ T-cell infiltration in pediatric cutaneous GVHD. Cellular Immunology, 2015, 295, 112-117.	1.4	4
90	Molecular Typing Methods for Minor Histocompatibility Antigens. Methods in Molecular Biology, 2014, 1109, 115-138.	0.4	4

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91	Molecular characterization and T-cell-stimulatory capacity of Mycobacterium leprae antigen T5. Infection and Immunity, 1995, 63, 4682-4685.	1.0	4
92	Histocompatibility. , 2019, , 61-68.		4
93	The role of Schwann cells, T cells and Mycobacterium leprae in the immunopathogenesis of nerve damage in leprosy. Leprosy Review, 2000, 71 Suppl, S121-9.	0.1	4
94	The novelHLA-A*24:215allele, identified by sequencing-based typing of a stem cell transplant patient and the sibling donor. Tissue Antigens, 2013, 82, 138-139.	1.0	3
95	Matching of MHC Class I Chain-Related Genes a and B Is Associated with Reduced Incidence of Severe Acute Graft-Versus-Host Disease after Unrelated Hematopoietic Stem Cell Transplantation. Blood, 2014, 124, 664-664.	0.6	3
96	Natural T-cell responses against minor histocompatibility antigen (mHag) HY following HLA-matched hematopoietic cell transplantation: what are the requirements for a â€˜goodâ€™ mHag?. Leukemia, 2008, 22, 1948-1951.	3.3	2
97	Sa1325 The Human Leukocyte Antigen DQ 2.2 and Celiac Disease. Gastroenterology, 2012, 142, S-273.	0.6	2
98	Invited letter in response to â€œPredicted indirectly recognizable HLA epitopes (PIRCHE): Only the tip of the iceberg?â€• American Journal of Transplantation, 2018, 18, 523-524.	2.6	2
99	HLA-DQ Typing Kits in Diagnosis and Screening for Celiac Disease. Genetic Testing and Molecular Biomarkers, 2019, 23, 418-422.	0.3	2
100	Antibodies to sulfatide in leprosy and leprosy reactions.. American Journal of Tropical Medicine and Hygiene, 1999, 61, 495-499.	0.6	2
101	Poor-Risk Acute Leukemia Patients with An EBMT Low-Risk Score and An 8/8 Matched Unrelated Donor Show Excellent Survival After Hematopoietic Stem Cell Transplantation.. Blood, 2009, 114, 1196-1196.	0.6	2
102	Protective HLA Alleles Recruit Biased and Largely Similar Antigen-Specific T Cell Repertoires across Different Outcomes in HIV Infection. Journal of Immunology, 2022, 208, 3-15.	0.4	2
103	Sa1340 The Human Leukocyte Antigen DQ B1 02 is More Frequent in Patients With Tissue-Transglutaminase Antibody Levels â‰¥100 U/mL. Gastroenterology, 2012, 142, S-277.	0.6	1
104	Gender influences the birth order effect in HLA-identical stem cell transplantation. Blood, 2013, 121, 4809-4811.	0.6	1
105	Treatment of steroid resistant grade II to IV acute GVHD by infusion of mesenchymal stromal cells expanded with platelet lysate - a phase I/II study. Cytotherapy, 2014, 16, S13.	0.3	1
106	Immunogenetic factors in the selection of cord blood units for transplantation: current search strategies and future perspectives. Cytotherapy, 2015, 17, 702-710.	0.3	1
107	Analysis of Predicted Indirectly Recognizable HLA Epitopes (PIRCHE) in Mismatched Unrelated Donor Hematopoietic Stem Cell Transplants (HCT): A Center for International Blood and Marrow Transplant Research (CIBMTR) Cohort Study. Biology of Blood and Marrow Transplantation, 2017, 23, S201.	2.0	1
108	OR41 PIRCHE-II: A novel tool to identify permissible HLA mismatches in kidney transplantation. Human Immunology, 2017, 78, 39.	1.2	1

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109	Immune Reconstitution and Clinical Outcome after Î±/Î² T-Cell Depleted Allogeneic Stem Cell Transplantation from Matched Related and Unrelated Donors. Blood, 2015, 126, 4313-4313.	0.6	1
110	ALLORECOGNITION OF ARTIFICIAL NERVE GUIDES FILLED WITH HUMAN SCHWANN CELLS : An In Vitro Pilot Study. Transplantation, 2000, 69, 455.	0.5	1
111	Posters * Early Pregnancy. Human Reproduction, 2010, 25, i161-i170.	0.4	0
112	50-OR. Human Immunology, 2013, 74, 39.	1.2	0
113	Treatment of Steroid Resistant Grade II to IV Acute GVHD by Infusion of Mesenchymal Stroma Cells Expanded with Platelet Lysate - a Phase I/II Study. Biology of Blood and Marrow Transplantation, 2013, 19, S144.	2.0	0
114	A Universal Approach to Identify Permissible HLA-Mismatches in HSCT: Predicted Indirectly Recognizable HLA Epitopes. Biology of Blood and Marrow Transplantation, 2014, 20, S141-S142.	2.0	0
115	Predicted Indirectly Recognizable Hla Epitopes (PIRCHE) Provide a Novel Strategy to Individualize Donor Selection That Optimizes Survival Chances. Biology of Blood and Marrow Transplantation, 2015, 21, S350-S351.	2.0	0
116	Identifying Permissible HLA-Mismatches in Unrelated-Donor Hematopoietic Stem-Cell Transplantation Using Predicted Indirectly Recognizable HLA Epitopes. Biology of Blood and Marrow Transplantation, 2017, 23, S107-S108.	2.0	0
117	P120 Predicted indirectly recognizable HLA epitopes presented by HLA-DRB1 are related to HLA antibody formation during pregnancy. Human Immunology, 2017, 78, 141.	1.2	0
118	SO025DONOR RECIPIENT MATCHING BASED ON HLA EPITOPES IMPROVES OUTCOME IN KIDNEY TRANSPLANT RECIPIENTS. Nephrology Dialysis Transplantation, 2017, 32, iii15-iii15.	0.4	0
119	SO024DONOR RECIPIENT MATCHING BASED ON INDIRECTLY RECOGNIZABLE HLA EPITOPES INDEPENDENTLY PREDICTS OUTCOME AFTER KIDNEY TRANSPLANTATION. Nephrology Dialysis Transplantation, 2017, 32, iii15-iii15.	0.4	0
120	Minor HistocompatibilityAntigens in Biologyand Medicine. , 0, , 544-544.		0
121	Identification of New Hematopoietic Minor Histocompatibility Antigen UTA2-1; Ready for Application in Antitumor Immunotherapy. Blood, 2011, 118, 2979-2979.	0.6	0
122	Treatment of Steroid Resistant Grade II to IV Acute Gvhd by Infusion of Mesenchymal Stroma Cells Expanded with Human Plasma and Platelet Lysate - a Phase I/II Study. Blood, 2012, 120, 736-736.	0.6	0
123	Identification of Minor Histocompatibility Antigens Based on the 1000 Genomes Project for Application in Therapeutic Dendritic Cell Vaccination. Blood, 2014, 124, 2418-2418.	0.6	0