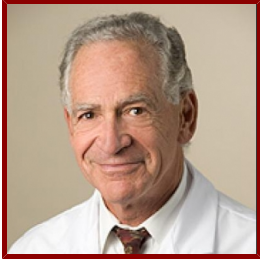


Stanford



Samuel Strober

Professor of Medicine (Immunology and Rheumatology)

Medicine - Immunology & Rheumatology

 Curriculum Vitae available Online

CLINICAL OFFICES

- **Immunology and Rheumatology Clinic**

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ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

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Bio

BIO

Dr. Samuel Strober specializes in the treatment of autoimmune diseases such as systemic lupus erythematosus and rheumatoid arthritis. He has practiced rheumatology at Stanford for more than 30 years. He has special interests in the treatment of lupus kidney disease, and in eliminating the lifelong need for immunosuppressive drugs of organ transplant patients. He does not see patients in the Stanford out-patient clinics, but consults on Stanford in-patients with autoimmune disease and inflammatory arthritis. In addition, he consults on the medical tests that are required to determine the diagnosis and treatment of these diseases.

Dr. Strober's laboratory and clinical research interests are in the area of the molecular and cellular basis of the prevention of graft versus host disease while maintaining graft anti-tumor activity in recipients of bone marrow transplants, the induction of tolerance in recipients of combined organ and hematopoietic cell transplants, and the effective treatment of solid tumors and lymphoma with local tumor radiation regimens that induce potent anti-tumor immune responses. His laboratory research has been translated into ongoing clinical trials of organ and bone marrow transplantation at Stanford.

CLINICAL FOCUS

- Immunology and Rheumatology
- Bone Marrow and Organ Transplantation
- Immunotherapy of Cancer
- Rheumatology

ACADEMIC APPOINTMENTS

- Professor, Medicine - Immunology & Rheumatology
- Member, Bio-X

- Member, Stanford Cancer Institute

ADMINISTRATIVE APPOINTMENTS

- Program Director, NIH Program Project Grant, (2004- present)
- Member, Stanford Diabetes Research Center, Stanford University, (2018- present)

PROFESSIONAL EDUCATION

- Fellowship: University of Oxford Medical Sciences Division Registrar (1965) UK
- Residency: Stanford University School of Medicine Registrar (1971) CA
- Residency: Massachusetts General Hospital (1967) MA
- Internship: Massachusetts General Hospital (1967) MA
- Medical Education: Harvard Medical School (1966) MA

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Research Interests:

Our interests are in the area of cellular immunology, and the regulatory interactions between subpopulations of immune cells. In particular, we are interested in the identification, function, and molecular mechanisms by which some subpopulations of lymphocytes amplify the immune response and some such as natural killer T cells (NKT cells) and regulatory T cells (Treg cells) suppress it. Investigation into interactions of the cells during the immune response to organ and bone marrow transplants and in tumor immunity is a major focus of the laboratory research. Developing therapeutic strategies for clinical organ transplantation in humans with hematologic or solid tumors based on these principles is a major goal. Specific areas of research are as follows:

(i) Immune tolerance to organ and bone marrow transplants: Immune tolerance is recognized to be the paralysis of the immune system in its response to a given antigen, the development of anergy, or antigen-specific suppressor cells. Our research programs are studying these mechanisms at the cellular and molecular levels in laboratory animals and humans that are made tolerant to foreign organ or bone marrow transplants. In the case of bone marrow transplants, the goal is to prevent graft vs. host disease while maintaining graft anti-tumor activity.

(ii) In the case of organ transplants, the goal is to achieve acceptance of the transplants in the absence of maintenance immunosuppressive drugs. Tolerance is achieved by establishment of mixed chimerism. Our mouse models have been translated to clinical studies in which tolerance and prevention of graft vs host disease have been achieved. Our laboratory is involved in identifying those cells (NKT cells, Treg cells, myeloid derived suppressor cells, dendritic cells) involved in the induction and maintenance of immune tolerance with regard to their surface receptors, effector functions, and the nature of secreted molecules which mediate their function. We have shown that interactions of these cells are important suppressors of tumor immunity and promoters of organ transplantation tolerance.

(iii) In the case of hematologic and solid tumors, the goal is to eliminate cells that mediate immune tolerance in the tumor microenvironment such that effector T cells can kill the tumor cells. Target cells for depletion include myeloid derived suppressor cells, Treg cells, and tolerogenic dendritic cells.

CLINICAL TRIALS

- CD8+ Memory T-Cells as Consolidative Therapy After Donor Non-myeloablative Hematopoietic Cell Transplant in Treating Patients With Leukemia or Lymphoma, Recruiting
- Combined Blood Stem Cell and Kidney Transplant of One Haplotype Match Living Donor Pairs., Recruiting
- Delayed Blood Stem Transplantation in HLA Matched Kidney Transplant Recipients to Eliminate Immunosuppressive Drugs., Recruiting
- Inducing Graft Tolerance in HLA Haplotype Matched Related and 3 Ag Matched Unrelated Living Donor Kidney Transplantation, Recruiting

- Allogeneic Transplantation From Related Haploidentical Donors, Not Recruiting
- Donor Peripheral Stem Cell Transplant in Treating Patients With Hematolymphoid Malignancies, Not Recruiting
- Immunostimulatory CpG SD-101 + RT in Recurrent/Progressive Lymphoma After Allogeneic Hematopoietic Cell Transplantation (HCT), Not Recruiting
- Kidney and Blood Stem Cell Transplantation That Eliminates Requirement for Immunosuppressive Drugs, Not Recruiting
- TLI & ATG for Non-Myeloablative Allogeneic Transplantation for MDS and MPD, Not Recruiting

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Immunology (Phd Program)

Publications

PUBLICATIONS

- **High-Parametric Evaluation of Human Invariant Natural Killer T Cells to Delineate Heterogeneity in Allo- and Autoimmunity.** *Blood*
Erkers, T., Xie, B., Kenyon, L. J., Smith, B., Rieck, M., Jensen, K. P., Ji, X., Basina, M., Strober, S., Negrin, R. S., Maecker, H. T., Meyer, E.
2020
- **Mixed chimerism and acceptance of kidney transplants after immunosuppressive drug withdrawal.** *Science translational medicine*
Busque, S., Scandling, J. D., Lowsky, R., Shizuru, J., Jensen, K., Waters, J., Wu, H. H., Sheehan, K., Shori, A., Choi, O., Pham, T., Fernandez Vina, M. A., Hoppe, et al
2020; 12 (528)
- **Combined kidney and hematopoietic cell transplantation to induce mixed chimerism and tolerance.** *Bone marrow transplantation*
Lowsky, R., Strober, S.
2019; 54 (Suppl 2): 793–97
- **Persistent Mixed Chimerism, Immune Reconstitution, and Tolerance in Recipients of HLA Matched Kidney and Hematopoietic Cell Transplants.**
Busque, S., Scandling, J., Lowsky, R., Shizuru, J., Meyer, E., Jensen, K., Shori, A., Hoppe, R., Engleman, E., Pham, T., Strober, S.
WILEY.2019: 348–49
- **Impact of Immunosuppressive Drug Withdrawal on Persistent Mixed Chimerism in Recipients of HLA Haplo-Identical Kidney and Hematopoietic Cell Transplants.**
Busque, S., Scandling, J., Lowsky, R., Shizuru, J., Meyer, E., Jensen, K., Shori, A., Hoppe, R., Engleman, E., Strober, S.
WILEY.2019: 348
- **Summary of the Third International Workshop on Clinical Tolerance** *AMERICAN JOURNAL OF TRANSPLANTATION*
Kawai, T., Leventhal, J., Wood, K., Strober, S.
2019; 19 (2): 324–30
- **Nonmyeloablative TLI-ATG conditioning for allogeneic transplantation: mature follow-up from a large single-center cohort.** *Blood advances*
Spinner, M. A., Kennedy, V. E., Tamaresis, J. S., Lavori, P. W., Arai, S., Johnston, L. J., Meyer, E. H., Miklos, D. B., Muffly, L. S., Negrin, R. S., Rezvani, A. R., Shizuru, J. A., Weng, et al
2019; 3 (16): 2454–64
- **Nonmyeloablative Allogeneic Transplantation Using TLI-ATG Conditioning for Lymphoid and Myeloid Malignancies: Mature Follow-up from a Large, Single Institution Cohort**
Spinner, M. A., Kennedy, V. E., Tamaresis, J. S., Lavori, P. W., Elder, L. V., Arai, S., Johnston, L. J., Meyer, E. H., Miklos, D. B., Muffly, L. S., Negrin, R. S., Rezvani, A. R., Shizuru, et al
AMER SOC HEMATOLOGY.2018
- **A Proinflammatory Invariant Natural Killer T Cells Phenotypic State Associates with Human Graft-Versus-Host Disease Onset and Response**
Erkers, T., Xie, B., Kenyon, L., Rieck, M., Basina, M., Jensen, K., Strober, S., Negrin, R. S., Maecker, H. T., Meyer, E. H.
AMER SOC HEMATOLOGY.2018
- **Accelerated, but not conventional, radiotherapy of murine B-cell lymphoma induces potent T cell-mediated remissions** *BLOOD ADVANCES*

- Dutt, S., Atallah, M. B., Minamida, Y., Filatenkov, A., Jensen, K. P., Iliopoulou, B. P., Tamosiuniene, R., Waters, J., Engleman, E. G., Strober, S.
2018; 2 (19): 2568–80
- **Relationship Between Mixed Chimerism and Acceptance of HLA-matched and -Mismatched Kidney Transplants after Withdrawal of Immunosuppressive Drugs**
Busque, S., Scandling, J., Lowsky, R., Shizuru, J., Jensen, K., Shori, A., Hoppe, R., Engleman, E., Meyer, E., Strober, S.
LIPPINCOTT WILLIAMS & WILKINS.2018: S393
 - **Tomotherapy and Hematopoietic Stem Cells for Tolerance to Kidney Transplants in Rhesus Macaques**
Kaufman, D. B., Haynes, L., Burlingham, W., Hematti, P., Forrest, L., Post, J., Jankowska-Gan, E., Jensen, K., Strober, S.
LIPPINCOTT WILLIAMS & WILKINS.2018: S262
 - **Tomotherapy and Donor Hematopoietic Cells for Tolerance to Kidney Transplants in Rhesus Macaques.**
Kaufman, D., Haynes, L., Hematti, P., Burlingham, W., Forest, L., Post, J., Redfield, R., Fernandez, L., D'Alessandro, A., Haynes, J., Jensen, K., Strober, S.
WILEY.2018: 614
 - **Changes in Phenotype, Immune Suppressive, Function, and Gene Expression of Myeloid Derived Suppressor Cells in Patients Given Combined Kidney and Hematopoietic Cell Transplants in a Tolerance Protocol.**
Jensen, K., Zheng, P., Xuhuai, J., Saraswathula, A., Scandling, J., Busque, S., Shizuru, J., Lowsky, R., Shori, A., Maecker, H., Engleman, E., Meyer, E., Strober, et al
WILEY.2018: 495–96
 - **Relationship between Mixed Chimerism and Acceptance of HLA-Matched and Mismatched Kidney Transplants after Withdrawal of Immunosuppressive Drugs.**
Scandling, J., Busque, S., Lowsky, R., Shizuru, J., Jensen, K., Shori, A., Engleman, E., Meyer, E., Hoppe, R., Strober, S.
WILEY.2018: 470
 - **Proceedings From the Fourth Haploidentical Stem Cell Transplantation Symposium (HAPL02016), San Diego, California, December 1, 2016 *BIOLOGY OF BLOOD AND MARROW TRANSPLANTATION***
Al Malki, M. M., Jones, R., Ma, Q., Lee, D., Reisner, Y., Miller, J. S., Lang, P., Hongeng, S., Hari, P., Strober, S., Yu, J., Maziarz, R., Mavilio, et al
2018; 24 (5): 895–908
 - **Macrochimerism and clinical transplant tolerance *HUMAN IMMUNOLOGY***
Scandling, J. D., Busque, S., Lowsky, R., Shizuru, J., Shori, A., Engleman, E., Jensen, K., Strober, S.
2018; 79 (5): 266–71
 - **Infusion of donor-derived CD8(+) memory T cells for relapse following allogeneic hematopoietic cell transplantation *BLOOD ADVANCES***
Muffly, L., Sheehan, K., Armstrong, R., Jensen, K., Tate, K., Rezvani, A. R., Miklos, D., Arai, S., Shizuru, J., Johnston, L., Meyer, E., Weng, W., Laport, et al
2018; 2 (6): 681–90
 - **Macrochimerism and clinical transplant tolerance. *Human immunology***
Scandling, J. D., Busque, S., Lowsky, R., Shizuru, J., Shori, A., Engleman, E., Jensen, K., Strober, S.
2018
 - **Accelerated, but not conventional, radiotherapy of murine B-cell lymphoma induces potent T cell-mediated remissions. *Blood advances***
Dutt, S., Atallah, M. B., Minamida, Y., Filatenkov, A., Jensen, K. P., Iliopoulou, B. P., Tamosiuniene, R., Waters, J., Engleman, E. G., Strober, S.
2018; 2 (19): 2568–80
 - **The Promise of Targeting Macrophages in Cancer Therapy *CLINICAL CANCER RESEARCH***
Brown, J., Recht, L., Strober, S.
2017; 23 (13): 3241–50
 - **Relationship Between Mixed Chimerism and Tolerance in HLA-Matched and -Mismatched Recipients of Kidney and Hematopoietic Cell Transplants**
Busque, S., Scandling, J., Shizuru, J., Lowsky, R., Shori, A., Kent, J., Engleman, E., Strober, S.
WILEY.2017: 276
 - **Tolerogenic interactions between CD8(+) dendritic cells and NKT cells prevent rejection of bone marrow and organ grafts *BLOOD***
Hongo, D., Tang, X., Zhang, X., Engleman, E. G., Strober, S.
2017; 129 (12): 1718-1728
 - **Tolerogenic interactions between CD8+ dendritic cells and NKT cells prevent rejection of bone marrow and organ grafts. *Blood***

Hongo, D., Tang, X., Zhang, X., Engleman, E. G., Strober, S.
2017

- **HLA-mismatched unrelated donor transplantation using TLI-ATG conditioning has a low risk of GVHD and potent antitumor activity.** *Blood advances*
Spinner, M. A., Fernández-Viña, M., Creary, L. E., Quinn, O., Elder, L., Arai, S., Johnston, L. J., Meyer, E. H., Miklos, D. B., Muffly, L. S., Negrin, R. S., Shizuru, J. A., Weng, et al
2017; 1 (17): 1347–57
- **Allogeneic Transplants from HLA-Mismatched Unrelated Donors Using Total Lymphoid Irradiation and Antithymocyte Globulin Conditioning Retain a Low Risk of Graft-Versus-Host Disease and Non-Relapse Mortality with at Least As Potent Anti-Tumor Activity As with Matched Unrelated Donors**
Spinner, M. A., Vina, M., Elder, L., Arai, S., Johnston, L., Meyer, E., Miklos, D., Muffly, L., Negrin, R. S., Shizuru, J., Weng, W., Laport, G. G., Strober, et al
AMER SOC HEMATOLOGY.2016
- **Phase I Study of CD8 Memory T-Cell Donor Lymphocyte Infusion for Relapse of Hematologic Malignancies Following Matched Related Donor Allogeneic Hematopoietic Cell Transplantation**
Muffly, L. S., Sheehan, K., Armstrong, R., Tate, K., Tudisco, C., Rezvani, A. R., Miklos, D., Arai, S., Shizuru, J., Johnston, L., Meyer, E., Weng, W., Laport, et al
AMER SOC HEMATOLOGY.2016
- **Immunosuppressive myeloid cells in patients given combined kidney and hematopoietic cell transplants in a tolerance protocol with TLI and ATG conditioning**
Jensen, K., Scandling, J., Busque, S., Shizuru, J., Lowsky, R., Saraswathula, A., Sheehan, K., Shori, A., Engleman, E., Strober, S.
LIPPINCOTT WILLIAMS & WILKINS.2016: S5
- **Relationship between mixed chimerism and clinical tolerance after combined kidney and hematopoietic cell transplantation using total lymphoid irradiation and antithymocyte globulin conditioning**
Busque, S., Scandling, J. D., Shizuru, J., Lowsky, R., Shori, A., Jensen, K., Engleman, E., Strober, S.
LIPPINCOTT WILLIAMS & WILKINS.2016: S245
- **Tolerogenic Interactions Between Host CD8(+)Myeloid Dendritic Cells and Natural Killer T Cells Are Required for Acceptance of Combined Organ and Bone Marrow Transplants After TLI Conditioning.**
Apum, D., Zhang, X., Engleman, E., Strober, S.
WILEY-BLACKWELL.2016: 370
- **Use of hematopoietic cell transplants to achieve tolerance in patients with solid organ transplants** *BLOOD*
Strober, S.
2016; 127 (12): 1539-1543
- **Long-Term Outcomes of AML Patients Using Total Lymphoid Irradiation with Anti-Thymocyte Globulin**
Nakasone, H., Miklos, D. B., Meyer, E., Rezvani, A., Muffly, L., Weng, W., Arai, S., Johnston, L., Laport, G. G., Shizuru, J. A., Negrin, R., Strober, S., Lowsky, et al
ELSEVIER SCIENCE INC.2016: S204–S205
- **Disruption of evasive immune cell microenvironment in tumors reflects immunity induced by radiation therapy** *ONCOIMMUNOLOGY*
Filatenkov, A., Baker, J., Strober, S.
2016; 5 (2): e1072673
- **A Cost Analysis of Tolerance Induction for Two-Haplotype Match Kidney Transplant Recipients** *AMERICAN JOURNAL OF TRANSPLANTATION*
Erickson, K. F., Winkelmayer, W. C., Busque, S., Lowsky, R., Scandling, J. D., Strober, S.
2016; 16 (1): 371–73
- **Donor-Derived CIK Cell Infusion As Consolidative Therapy after Non-Myeloablative Allogeneic Transplant in Patients with Myeloid Neoplasms**
Narayan, R., Benjamin, J., Laport, G., Tian, L., Tate, K., Elder, L., Galvez, L., Armstrong, R., Sheehan, K., Lowsky, R., Arai, S., Johnston, L., Miklos, et al
AMER SOC HEMATOLOGY.2015
- **Allogeneic hematopoietic cell transplantation after failed autologous transplant for lymphoma using TLI and anti-thymocyte globulin conditioning** *BONE MARROW TRANSPLANTATION*
Rezvani, A. R., Kanate, A. S., Efron, B., Chhabra, S., Kohrt, H. E., Shizuru, J. A., Laport, G. G., Miklos, D. B., Benjamin, J. E., JOHNSTON, L. J., Arai, S., Weng, W., Negrin, et al
2015; 50 (10): 1286-1292
- **Ablative Tumor Radiation Can Change the Tumor Immune Cell Microenvironment to Induce Durable Complete Remissions.** *Clinical cancer research*

Filatenkov, A., Baker, J., Mueller, A. M., Kenkel, J., Ahn, G., Dutt, S., Zhang, N., Kohrt, H., Jensen, K., Dejbakhsh-Jones, S., Shizuru, J. A., Negrin, R. N., Engleman, et al
2015; 21 (16): 3727-3739

- **Stable and Unstable Chimerism During Immunosuppressive Drug Withdrawal in Tolerant Recipients of HLA Matched Combined Kidney and Hematopoietic Cell Transplants**
Pham, T., Busque, S., Scandling, J., Shizuru, J., Asha, S., Strober, S.
WILEY-BLACKWELL.2015
- **An Economic Analysis of Tolerance Induction for Two-Haplotype Match Kidney Living Donor Transplant Recipients**
Erickson, K., Winkelmayr, W., Lowsky, R., Scandling, J., Strober, S.
WILEY-BLACKWELL.2015
- **Stable mixed chimerism and tolerance to human organ transplants.** *Chimerism*
Strober, S.
2015; 6 (1-2): 27–32
- **Chimerism, Graft Survival, and Withdrawal of Immunosuppressive Drugs in HLA Matched and Mismatched Patients After Living Donor Kidney and Hematopoietic Cell Transplantation.** *American journal of transplantation*
Scandling, J. D., Busque, S., Shizuru, J. A., Lowsky, R., Hoppe, R., Dejbakhsh-Jones, S., Jensen, K., Shori, A., Strober, J. A., Lavori, P., Turnbull, B. B., Engleman, E. G., Strober, et al
2015; 15 (3): 695-704
- **Invariant natural killer T cells in lupus patients promote IgG and IgG autoantibody production** *EUROPEAN JOURNAL OF IMMUNOLOGY*
Shen, L., Zhang, H., Caimol, M., Benike, C. J., Chakravarty, E. F., Strober, S., Engleman, E. G.
2015; 45 (2): 612-623
- **Requirement for Interactions of Natural Killer T Cells and Myeloid-Derived Suppressor Cells for Transplantation Tolerance** *AMERICAN JOURNAL OF TRANSPLANTATION*
Hongo, D., Tang, X., Baker, J., Engleman, E. G., Strober, S.
2014; 14 (11): 2467-2477
- **Treatment of 4T1 Metastatic Breast Cancer with Combined Hypofractionated Irradiation and Autologous T-Cell Infusion.** *Radiation research*
Filatenkov, A., Baker, J., Müller, A. M., Ahn, G., Kohrt, H., Dutt, S., Jensen, K., Dejbakhsh-Jones, S., Negrin, R. S., Shizuru, J. A., Engleman, E. G., Strober, S.
2014; 182 (2): 163-169
- **Tolerance: One Transplant for Life** *TRANSPLANTATION*
Kawai, T., Leventhal, J., Madsen, J. C., Strober, S., Turka, L. A., Wood, K. J.
2014; 98 (2): 117–21
- **Cellular Based Immunodepletion and Tomotherapy for Induction of Immunosuppression in a Rhesus Macaque Renal Allograft Model**
Kempton, S., Haynes, L., Gan-Jankowska, E., Forrest, L., Hematti, P., Fernandez, L., Burlingham, W., Strober, S., Kaufman, D.
LIPPINCOTT WILLIAMS & WILKINS.2014: 289
- **Requirement for Interactions of Natural Killer T Cells and Myeloid Derived Suppressor Cells for Transplantation Tolerance**
Hongo, D., Tang, X., Baker, J., Strober, S.
LIPPINCOTT WILLIAMS & WILKINS.2014: 28
- **Tolerance, Mixed Chimerism, and Graft Survival in HLA Matched and Mismatched Recipients of Kidney and Hematopoietic Cell Transplants.**
Scandling, J., Busque, S., Shizuru, J., Lowsky, R., Dejbakhsh-Jones, S., Jensen, K., Shori, A., Turnbull, B., Engleman, E., Strober, S.
LIPPINCOTT WILLIAMS & WILKINS.2014: 901
- **Requirement for Interactions of Natural Killer T Cells and Myeloid Derived Suppressor Cells for Transplantation Tolerance.**
Hongo, D., Tang, X., Baker, J., Strober, S.
WILEY-BLACKWELL.2014: 28
- **Cellular Based Immunodepletion and Tomotherapy for Induction of Immunosuppression in a Rhesus Macaque Renal Allograft Model.**
Kempton, S., Haynes, L., Gan-Jankowska, E., Forrest, L., Hematti, P., Fernandez, L., Burlingham, W., Strober, S., Kaufman, D.
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- **Tolerance, Mixed Chimerism, and Graft Survival in HLA Matched and Mismatched Recipients of Kidney and Hematopoietic Cell Transplants.**

- Scandling, J., Busque, S., Shizuru, J., Lowsky, R., Dejbakhsh-Jones, S., Jensen, K., Shori, A., Turnbull, B., Engleman, E., Strober, S.
WILEY-BLACKWELL.2014: 901
- **Ly108 expression distinguishes subsets of invariant NKT cells that help autoantibody production and secrete IL-21 from those that secrete IL-17 in lupus prone NZB/W mice.** *Journal of autoimmunity*
Tang, X., Zhang, B., Jarrell, J. A., Price, J. V., Dai, H., Utz, P. J., Strober, S.
2014; 50: 87-98
 - **Path to clinical transplantation tolerance and prevention of graft versus host disease.** *Immunologic Research*
Strober, S.
2014; 58 (2-3): 240-8
 - **Treatment of 4T1 metastatic breast cancer tumors with combined hypofractionated radiation and autologous T cell transplantation infusion** *Radiation Research*
Filatenkov, A., Baker, J., Ahn, G. O., Kohrt, H., Dutt, S., Dejbakhsh-Jones, S., Negrin, R. S., Engleman, E. G., Strober, S.
2014; 182 (2): 163-169
 - **Requirement for interactions of natural killer T cells and myeloid derived suppressor cells for transplantation tolerance** *AJT*
Hongo, D., Tang, X., Baker, J., Engleman, E. G., Strober, S.
2014; 14 (11): 2467-77
 - **Chimerism, graft survival, and withdrawal of immunosuppressive drugs in HLA matched and mismatched patients after kidney and hematopoietic cell transplantation** *AJT*
Scandling, J. D., Busque, S., Shizuru, J. A., Lowsky, R., Hoppe, R., Dejbakhsh-Jones, S., Jensen, K., Shori, A., Strober, J. A., Lavori, P., Turnbull, B. B., Engleman, E. G., Strober, et al
2014
 - **Ly108 expression distinguishes subsets of invariant NKT cells that help autoantibody production and secrete IL-21 from those that secrete IL-17 in lupus prone NZB/W mice** *J Autoimmun*
Tang, X., Jarrell, J. A., Price, J. V., Dai, H., Utz, P. J., Strober, S.
2014; 50: 87-98
 - **Identification of gene microarray expression profiles in patients with chronic graft-versus-host disease following allogeneic hematopoietic cell transplantation.** *Clinical immunology*
Kohrt, H. E., Tian, L., Li, L., Alizadeh, A. A., Hsieh, S., Tibshirani, R. J., Strober, S., Sarwal, M., Lowsky, R.
2013; 148 (1): 124-135
 - **Characterization of direct radiation-induced immune function and molecular signaling changes in an antigen presenting cell line** *CLINICAL IMMUNOLOGY*
Parker, J. J., Jones, J. C., Strober, S., Knox, S. J.
2013; 148 (1): 44-55
 - **A distinct evolution of the T-cell repertoire categorizes treatment refractory gastrointestinal acute graft-versus-host disease** *BLOOD*
Meyer, E. H., Hsu, A. R., Liliental, J., Loehr, A., Florek, M., Zehnder, J. L., Strober, S., Lavori, P., Miklos, D. B., Johnson, D. S., Negrin, R. S.
2013; 121 (24): 4955-4962
 - **Uniform Long-Term Graft Survival in a Clinical Trial of the Induction of Tolerance to Kidney Transplants.** *13th American Transplant Congress (ATC)*
Scandling, J., Busque, S., Shori, A., Dejbakhsh-Jones, S., Shizuru, J., Lowsky, R., Benike, C., Engleman, E., Strober, S.
WILEY-BLACKWELL.2013: 200-200
 - **The Expansion of Gastrointestinal-Associated alpha beta T Cell Clones in Peripheral Blood Associates with Severe Steroid Refractory GVHD** *BMT Tandem Meetings*
Meyer, E. H., Liliental, J. A., Florek, M., Lohr, A., Hsu, A., Johnson, D., Lavori, P., Zehnder, J. L., Miklos, D. B., Strober, S., Negrin, R.
ELSEVIER SCIENCE INC.2013: S334-S335
 - **Outcomes After Non-Myeloablative Allogeneic Hematopoietic Cell Transplantation with Total Lymphoid Irradiation and Anti-Thymocyte Globulin in Lymphoid Malignancies After Failed Autologous Transplantation** *BMT Tandem Meetings*
Kanate, A. S., Efron, B., Chhabra, S., Kohrt, H., Shizuru, J. A., Laport, G. G., Miklos, D. B., Benjamin, J., Johnston, L., Arai, S., Weng, W., Negrin, R., Strober, et al
ELSEVIER SCIENCE INC.2013: S154-S155

- **A distinct evolution of the T-cell repertoire categorizes treatment refractory gastrointestinal acute graft-versus-disease** *Blood*
Meyer, E. H., Hsu, A. R., Liliental, J., Lohr, A., Zehnder, M., Strober, S., Lavori, P., Miklos, D. B., Johnson, D. S., Negrin, R. S.
2013; 121 (24): 4955-4962
- **A Decade'S Experience with Safety and Efficacy of Tolerance Induction in Clinical Kidney Transplantation**
Scandling, J. D., Busque, S., Dejbakhsh-Jones, S., Benike, C., Shori, A., Shizuru, J., Lowsky, R., Engleman, E., Strober, S.
LIPPINCOTT WILLIAMS & WILKINS.2012: 55
- **Identification of Candidate Transcriptional Biomarkers Associated with Chronic Graft-Versus-Host Disease Following Allogeneic Hematopoietic Cell Transplantation** *54th Annual Meeting and Exposition of the American-Society-of-Hematology (ASH)*
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