

CURRICULUM VITAE

EDGAR G. ENGLEMAN, M.D.

OFFICE ADDRESS, PHONE AND E-MAIL

Stanford Blood Center, Room 270
3373 Hillview Avenue
Palo Alto, California 94304-1204
(650) 723-7960
edengleman@stanford.edu

EDUCATION

1967 B.A. Magna cum laude, Harvard University
1971 M.D., Columbia University, College of Physicians and Surgeons

MEDICAL TRAINING

1971-72 Intern in Medicine, Moffitt Hospital, University of California, San Francisco
1972-73 Resident in Medicine, University of California Hospitals, San Francisco
1973-76 Research Associate, Laboratory of Biochemistry (E.R. Stadtman, Chief), Heart and Lung Institute, National Institutes of Health, Bethesda, Maryland
1976-78 Postdoctoral Fellow in Immunogenetics and Rheumatology (H.O. McDevitt, Chief), Stanford University School of Medicine

MEDICAL AND ACADEMIC APPOINTMENTS

1978-84 Assistant Professor of Pathology and Medicine, Stanford University School of Medicine
1978-2003 Attending Physician in Immunology and Rheumatology, Stanford University Hospital and Outpatient Clinics
1978-2003 Associate Director, Transfusion Service, Stanford University Hospital
1978-95 Medical Director, Transfusion Service, Veterans Administration Medical Center, Palo Alto
1978- Founder and Medical Director, Stanford Blood Center, Stanford University School of Medicine
1984-90 Associate Professor of Pathology and Medicine, Stanford University School of Medicine
1990- Professor of Pathology and Medicine (with tenure), Stanford University School of Medicine
2010- Co-Director, Immunology and Immunotherapy Program, Stanford Cancer Institute
2010- Member, Stanford Institute for Immunology and Infectious Diseases
2017- Member, Stanford Diabetes Research Center
2010- Member, Stanford Bio-X
2016- Member, Wu Tsai Neurosciences Institute

TEACHING RESPONSIBILITIES

- 2004- Course Director, Tumor Immunology and Immunotherapy (CBIO 275/IMMUNOL 275)
2014- Lecturer, Cellular and Clinical Aspects of Cancer (CBIO 242)
2015- Lecturer, Immunology in Health and Disease (IMMUNOL 205)
2015- Lecturer, Translational Immunology (IMMUNOL 209)

HONORS

- 1967 Rhodes Scholar Finalist
1976-78 Recipient, Senior Fellowship of the American Cancer Society
1982 Membership, American Society for Clinical Investigation
1984 Membership, Pluto Club (Association of University Pathologists)
1988 Benjamin Franklin Literary and Medical Society Award (for AIDS research)
1990- NIH Merit Grant
1998 Membership, Association of American Physicians
2004 Stanford University Outstanding Inventor
2017 CABS prize for achievement in Life Sciences

LICENSES AND CERTIFICATIONS

- 1972- Diplomate, National Board of Medical Examiners
1974- Diplomate, American Board of Internal Medicine

JOURNAL EDITORSHIPS

- 1980-87 Member of Editorial Board, *Hybridoma*, Mary Ann Liebert, Inc., Publishers, New York, NY
1982-86 Associate Editor, *The Journal of Immunology*, American Association of Immunologists, Publishers, Baltimore, MD.
1983-87 & 1993-96 Member of Editorial Board, *Journal of Clinical Immunology*, Plenum Press, Publishers, New York, NY
1986-90 Section Editor for Clinical/Cellular Immunology, *The Journal of Immunology*.
1988-98 Member of Editorial Board, *Clinical Immunology and Immunopathology*, Harcourt Brace Jovanovich, Publishers, New York, NY.
1988-98 Member of Editorial Board, *Biotechnology Therapeutics*, Marcel Dekker, Publishers.
1990-2006 Section Editor for Immunovirology, *AIDS Research and Human Retroviruses*.
2014-present Member of Editorial Board, *Cancer Immunology Research*

COMMITTEES AND OTHER ACTIVITIES

- 1981-86 Member, Council of the Midwinter Conference of Immunologists
1982-85 Member, Merit Review Board in Immunology of the Veterans Administration
1984-85 Chairman, Merit Review Board in Immunology of the Veterans Administration

1988-92 Member, Immunobiology Study Section, NIH
1994-2003 Member, Immunovirology Study Section for Small Business Innovative Research
1996-98 Councilor, Clinical Immunology Society
2017-present Ad hoc Member, Cancer Immunopathology and Immunotherapy Study Section, NIH

BIBLIOGRAPHY

Books and Monographs

1. Genetic Control of Human Immune Response. (**Special issue of the Journal of Experimental Medicine**) Vol. 152(2). Edited by **E.G. Engleman**, the Rockefeller University Press, New York, N.Y., 1980.
2. **Human Hybridomas and Monoclonal Antibodies**. Edited by **E.G. Engleman**, S.K.H. Fong, J.A. Larrick, A. Raubitschek. Plenum Press, New York, N.Y., 1985.

Journal Articles

1. **Engleman, E.G.**, and Greenbaum, L.M. Kinin-forming activity of human lymphocytes. **Biochem. Pharmacol.** 20:922-924, 1971.
2. Robinson, A.G., Zimmerman, E., **Engleman, E.G.**, and Frantz, A.G. Radioimmunoassay of bovine neurophysin: specificity of neurophysin I and neurophysin II. **Metabolism** 20:1138-1146, 1971.
3. Davis, R.F. and **Engleman, E.G.** Incidence of myocardial infarction in patients with rheumatoid arthritis. **Arth. Rheum.** 17:527-533, 1974.
4. Basch, C.M., Spitler, L.E., **Engleman, E.G.**, and Engleman, E.P. Cellular immune reactivity in patients with rheumatoid arthritis and effects of levamisole. **J. Rheum.** 4:377-388, 1977.
5. **Engleman, E.G.** and Engleman, E.P. Ankylosing spondylitis. Recent advances in diagnosis and treatment. **Med. Clin. North America** 61:347-364, 1977.
6. McDevitt, H.O. and **Engleman, E.G.** Association between genes in the major histocompatibility complex and disease susceptibility. **Arth. Rheum.** 20:S9-S20, 1977.
7. Payne, R., Grumet, F.C., Perkins, H., Cann, H., Colombe, B., **Engleman, E.G.**, Feldman, M., and Cochrum, K. Segregation of genes for B lymphocyte antigens with other chromosome 6 markers in man. **Histocompatibility Testing for 1977**, Munksgaard, Copenhagen, Eds. W.F. Bodmer, J.R. Batchelor et al., pp. 549-557, 1978.
8. **Engleman, E.G.** HLA-D restricted suppressor T cells of the mixed lymphocyte reaction: potential clinical applications. In: **Genetic Control of Autoimmune Disease**. Eds. N.R. Rose,

- P. Bigazzi, and N.W. Warner. Elsevier-North Holland, New York, NY Vol. 1 pp. 125-142, 1978.
9. Francis, S.H. and **Engleman, E.G.** Cascade control of E. coli glutamine synthetase I. Studies on the uridylyl transferase and uridylyl removing enzyme(s) from E. coli. **Arch. Biochem. Biophys.** 191:590-601, 1978.
 10. **Engleman, E.G.** and Francis, S.H. Cascade control of E. coli glutamine synthetase. II. Metabolite regulation of the enzymes in the cascade. **Arch. Biochem. Biophys.** 191:602-612, 1978.
 11. **Engleman, E.G.**, McMichael, A.J., Batey, M.E., and McDevitt, H.O. A suppressor T cell of the mixed lymphocyte reaction in man specific for the stimulating alloantigen. Evidence that identity at HLA-D between suppressor and responder is required for suppression. **J. Exp. Med.** 147:137-146, 1978.
 12. **Engleman, E.G.** and McDevitt, H.O. A suppressor T cell of the mixed lymphocyte reaction specific for the HLA-D region in man. **J. Clin. Invest.** 61:828-838, 1978.
 13. **Engleman, E.G.**, McMichael, A.J., and McDevitt, H.O. Suppression of the mixed lymphocyte reaction in man by a soluble T-cell factor. **J. Exp. Med.** 147:1037-1043, 1978.
 14. **Engleman, E.G.**, Sponzilli, E.E., Batey, M.E., Ramcharan, S., and McDevitt, H.O. Mixed lymphocyte reaction in healthy women with rheumatoid factor. Lack of association with HLA-Dw4. **Arth. Rheum.** 21:690-693, 1978.
 15. **Engleman, E.G.** A simple method for detecting suppressor cells of the mixed lymphocyte reaction in man: application to a healthy population. **Transpl. Proc.** 10:901-903, 1978.
 16. Young, E. and **Engleman, E.G.** Human peripheral blood lymphocyte responses to the synthetic antigens (T,G),-A-L and GAT. **Transpl. Proc.** 11:1860-1863, 1979.
 17. **Engleman, E.G.**, Benike, C., Hoppe, R.T., and Kaplan, H.S. Suppressor cells of the mixed lymphocyte reaction in patients with Hodgkin's disease. **Transpl. Proc.** 11:1827-1829, 1979.
 18. Goldsby, R.A., Osborne, B.A., and **Engleman, E.G.** Identification, isolation, and characterization of a human T cell population by a monoclonal antibody. **Current Microbiology** 3:141-146, 1979.
 19. Morhenn, V., **Engleman, E.**, and Farber, E.M. Significance of HLA antigens and the mixed lymphocyte reaction in psoriasis. **Acta Dermatovener** 87:12-14, 1979.
 20. **Engleman, E.G.**, Benike, C., Osborne, B., and Goldsby, R. Functional characteristics of human T-cell subpopulations distinguished by a monoclonal antibody. **Proc. Natl. Acad. Sci. USA** 77:1607-1611, 1980.

21. Young, E. and **Engleman, E.G.** In vitro responses of human lymphocytes to synthetic polypeptide antigens. **J. Immunol.** 125:352-358, 1980.
22. **Engleman, E.G.**, Benike, C.J., Hoppe, R.T., Kaplan, H.S., and Berberich, F.R. Autologous mixed lymphocyte reaction in patients with Hodgkin's disease. Evidence for a T cell defect. **J. Clin. Invest.** 66:149-158, 1980.
23. **Engleman, E.G.**, Charron, D.J., Benike, C.J., and Stewart, G.J. Ia antigen on peripheral blood mononuclear leukocytes in man. I. Expression, biosynthesis, and function of HLA-DR antigen on non-T cells. **J. Exp. Med.** 152:99s-113s, 1980.
24. **Engleman, E.G.**, Benike, C.J., and Charron, D.J. Ia antigen on peripheral blood mononuclear leukocytes in man. II. Functional studies of HLA-DR-positive T cells activated in mixed lymphocyte reactions. **J. Exp. Med.** 152:114s-126s, 1980.
25. Charron, D.J., **Engleman, E.G.**, Benike, C.J., and McDevitt, H.O. Ia antigens on alloreactive T cells in man detected by monoclonal antibodies. Evidence for synthesis of HLA-D/DR molecules of the responder type. **J. Exp. Med.** 152:127s-136s, 1980.
26. Morhenn, V.B., Benike, C.J., and **Engleman, E.G.** Inhibition of cell mediated immune responses by 8-methoxypsoralen and long-wave ultraviolet light: A possible explanation for the clinical effects of photoactivated psoralen. **J. Invest. Dermat.** 75:249-252, 1980.
27. Goldsby, R.A., Osborne, B.A., and **Engleman, E.G.** Characterization of a human T cell population identified and isolated by a monoclonal antibody. In: **Monoclonal Antibodies.** Eds. R. Kennett and T.J. McKearn, Plenum Press, pp. 121-135, 1980.
28. **Engleman, E.G.**, Warnke, R., Fox, R.I., Dilley, J., Benike, C.J., and Levy, R. Studies of a human T lymphocyte antigen recognized by a monoclonal antibody. **Proc. Natl. Acad. Sci. USA** 78:1791-1795, 1981.
29. **Engleman, E.G.**, Benike, C.J., Glickman, E., and Evans, R.L. Antibodies to membrane structures that distinguish suppressor/cytotoxic and helper T lymphocyte subpopulations block the mixed leukocyte reaction in man. **J. Exp. Med.** 154:193-198, 1981.
30. Kotzin, B.L., Benike, C.J., and **Engleman, E.G.** Induction of immunoglobulin-secreting cells in the allogeneic mixed leukocyte reaction: Regulation by helper and suppressor lymphocyte subsets in man. **J. Immunol.** 127:931-935, 1981.
31. **Engleman, E.G.**, Sonnenfeld, G., Dauphinee, M., Greenspan, J.S., Talal, N., McDevitt, H.O., and Merigan, T.C. Treatment of NZB/NZW F₁ hybrid mice with Mycobacterium bovis strain BCG or type II interferon preparations accelerates autoimmune disease. **Arth. Rheum.** 24:1396-1402, 1981.

32. Grumet, F.C., Fendly, B.M., and **Engleman, E.G.** Monoclonal anti-HLA-B27 antibody (B27M¹): Production and lack of detectable typing difference between patients with ankylosing spondylitis, Reiter's syndrome, and normal controls. **The Lancet** 2:174-176, 1981.
33. **Engleman, E.G.**, Benike, C.J., Grumet, F.C., and Evans, R.L. Activation of human T lymphocyte subsets: Helper and suppressor/cytotoxic T cells recognize and respond to distinct histocompatibility antigens. **J. Immunol.** 127:2124-2129, 1981.
34. Gatenby, P.A., Kotzin, B.L., and **Engleman, E.G.** Induction of immunoglobulin secreting cells in the human autologous mixed leukocyte reaction: Regulation by helper and suppressor lymphocyte subsets defined with monoclonal antibodies. **J. Immunol.** 127:2130-2135, 1981.
35. Kotzin, B.L., Strober, S., **Engleman, E.G.**, Calin, A., Hoppe, R.T., Kansas, G.S., Terrell, C.P., and Kaplan, H.S. Treatment of intractable rheumatoid arthritis with total lymphoid irradiation. **N. Eng. J. Med.** 305:969-976, 1981.
36. **Engleman, E.G.** HLA-D restricted suppressor T cells of the mixed lymphocyte reaction in healthy and diseased populations. In: **Suppressor Cells in Human Disease States.** Ed. J.S. Goodwin, Marcel Dekker, Inc., pp. 137-161, 1981.
37. Morhenn, V.B., Benike, C.J., Cox, A.J., Charron, D.J., and **Engleman, E.G.** Cultured human epidermal cells do not synthesize HLA-DR. **J. Invest. Dermat.** 78:32-37, 1982.
38. Morhenn, V.B., Charron, D.J., and **Engleman, E.G.** Human skin cells synthesize HLA-DR molecules of the same charge and molecular weight as those synthesized by autologous lymphocytes. **J. Invest. Dermat.** 78:125-127, 1982.
39. Morhenn, V.B., Starr, E.D., Terrell, C., Cox, A.J., and **Engleman, E.G.** Separation of human skin cells by velocity sedimentation into functionally distinct fractions. **J. Invest. Dermat.** 78:319-322, 1982.
40. Gatenby, P.A., Kotzin, B.L., Kansas, G.S., and **Engleman, E.G.** Immunoglobulin secretion in the human autologous mixed leukocyte reaction. Definition of a suppressor-amplifier circuit using monoclonal antibodies. **J. Exp. Med.** 156:55-67, 1982.
41. Grumet, F.C., Fendly, B.M., Fish, L., Fong, S., and **Engleman, E.G.** Monoclonal antibody (B27M2) subdividing HLA-B27. **Human Immunol.** 5:61-72, 1982.
42. Morhenn, V.B., Benike, C.J., Charron, D.J., Cox, A., Mahrle, G., Wood, G.S., and **Engleman, E.G.** Use of the fluorescence-activated cell sorter to quantitate and enrich for subpopulations of human skin cells. **J. Invest. Dermat.** 79:277-282, 1982.
43. Yang, Y.H.J., Grumet, F.C., Fendly, B., **Engleman, E.**, and Shively, J.E. Protein A binding assay for the identification of HLA antigens on peripheral blood lymphocytes by monoclonal antibodies: Application to HLA B27. **Hybridoma** 1:243-255, 1982.

44. Gatenby, P.A., Kansas, G.S., Xian, C.Y., Evans, R.L., and **Engleman, E.G.** Dissection of immunoregulatory subpopulations of T lymphocytes within the helper and suppressor sublineages in man. **J. Immunol.** 129:1997-2000, 1982.
45. Fong, S.K.H., Sasaki, D.T., Grumet, F.C., and **Engleman, E.G.** Production of functional human T-T hybridomas in selection medium lacking aminopterin and thymidine. **Proc. Natl. Acad. Sci. USA** 79:7484-7488, 1982.
46. **Engleman, E.G.** and Morhenn, V.B. Monoclonal antibodies: Probes to explore cell surface antigens. In: **Psoriasis, Proceedings of the Third International Symposium.** Eds. E.M. Farber and A.J. Cox. Grune & Stratton, Inc., pp. 97-108, 1982.
47. Morhenn, V.B., Orenberg, E.K., Kaplan, J., Pfenndt, E., Terrell, C., and **Engleman, E.G.** Immunologic effects of antipsoriatic agents: Inhibition of the skin cell-lymphocyte reaction. In: **Psoriasis, Proceedings of the Third International Symposium.** Eds. E.M. Farber and A.J. Cox, L. Nall, and P.H. Jacobs. Grune & Stratton, Inc., pp. 299-302, 1982.
48. **Engleman, E.G.** Studies of autologous and allogeneic mixed leukocyte reactions in patients with Hodgkin's disease. In: **Malignant Lymphomas: Etiology, Immunology, Pathology, Treatment.** Eds. H.S. Kaplan and S.A. Rosenberg. Academic Press, Inc., pp. 295-307, 1982.
49. Rosenbaum, J.T. and **Engleman, E.G.** Histocompatibility antigens and disease susceptibility. In: **The Pathophysiology of Human Immunologic Disorders.** Ed. J. Twomey. Urban & Schwarzenberg, Baltimore, MD, pp. 51-62, 1982.
50. Hays, E.F., Jones, P., Fathman, C.G., and **Engleman, E.G.** Cell recognition and the MHC. **Clin. Immunol. Immunopath.** 25:283-294, 1982.
51. Grumet, F.C., Pask, S.B., Ness, D.B., Fendly, B.M., and **Engleman, E.G.** A simplified new method for HLA-DR typing using the TM1 monoclonal antibody. **Human Immunol.** 6:63-73, 1983.
52. Berberich, F.R., Berberich, M.S., King, M.C., **Engleman, E.G.**, and Grumet, F.C. Hodgkin's disease susceptibility: Linkage to the HLA locus demonstrated by a new concordance method. **Human Immunol.** 6:207-217, 1983.
53. Kotzin, B.L., Kansas, G.S., **Engleman, E.G.**, Hoppe, R.T., Kaplan, H.S., and Strober, S. Changes in T-cell subsets in patients with rheumatoid arthritis treated with total lymphoid irradiation. **Clin. Immunol. Immunopath.** 27:250-260, 1983.
54. Kaneoka, H., **Engleman, E.G.**, and Grumet, F.C. Immunochemical variants of HLA-B27. **J. Immunol.** 130:1288-1292, 1983.
55. **Engleman, E.G.**, Calin, A., and Grumet, F.C. Analysis of HLA-B27 antigen with monoclonal antibodies. **J. Rheumatol.** (Suppl. 10)10: 59-60, 1983.

56. Morhenn, V.B., Orenberg, E.K., Kaplan, J., Pfenndt, E., Terrell, C., and **Engleman, E.G.** Inhibition of a Langerhans cell-mediated immune response by treatment modalities useful in psoriasis. **J. Invest. Dermat.** 81:23-27, 1983.
57. Morhenn, V.B., Wood, G.S., **Engleman, E.G.**, and Oseroff, A.R. Selective enrichment of human epidermal cell subpopulations using monoclonal antibodies. **J. Invest. Dermat.** 81:127s-131s, 1983.
58. **Engleman, E.G.**, Benike, C.J., Metzler, C., Gatenby, P.A., and Evans, R.L. Blocking of human T lymphocyte functions by anti-Leu-2 and anti-Leu-3 antibodies: Differential inhibition of proliferation and suppression. **J. Immunol.** 130:2623-2628, 1983.
59. Field, E.H., Strober, S., Hoppe, R.T., Calin, A., **Engleman, E.G.**, Kotzin, B.L., Tanay, A.S., Calin, H.J., Terrell, C.P., and Kaplan, H.S. Sustained improvement of intractable rheumatoid arthritis after total lymphoid irradiation. **Arth. Rheum.** 26:937-946, 1983.
60. Kaneoka, H., Perez-Rojas, G., Sasasaki, T., Benike, C.J., and **Engleman, E.G.** Human T lymphocyte proliferation induced by a pan-T monoclonal antibody (anti-Leu 4): Heterogeneity of response is a function of monocytes. **J. Immunol.** 131:158-164, 1983.
61. Damle, N.K., and **Engleman, E.G.** Immunoregulatory T cell circuits in man. Alloantigen-primed inducer T cells activate alloantigen-specific suppressor T cells in the absence of the initial antigenic stimulus. **J. Exp. Med.** 158:159-173, 1983.
62. Damle, N.K., Mohaghehpour, N., Hansen, J.A., and **Engleman, E.G.** Alloantigen-specific cytotoxic and suppressor T lymphocytes are derived from phenotypically distinct precursors. **J. Immunol.** 131:2296-2300, 1983.
63. Mohaghehpour, N., Benike, C.J., Kansas, G., Bieber, C., and **Engleman, E.G.** Activation of antigen-specific suppressor T cells in the presence of cyclosporin requires interactions between T cells of inducer and suppressor lineage. **J. Clin. Invest.** 72:2092-2100, 1983.
64. Strober, S., Field, E.M., Kotzin, B.L., Hoppe, R.T., **Engleman, E.G.**, Tanay, A.S., and Kaplan, H.S. Treatment of intractable rheumatoid arthritis with total lymphoid irradiation (TLI): immunological and clinical changes. **Radiotherapy and Oncology** 1:43-52, 1983.
65. **Engleman, E.G.** The clinical use of monoclonal antibodies. **Western J. Med.** 138:707, 1983.
66. Gatenby, P. and **Engleman, E.G.** The regulation of antibody secreting cells generated in the autologous mixed leukocyte reaction in man. In: Autologous Mixed Lymphocyte Reaction: A basic immune regulatory mechanism. Ed. M. Weksler, Behring Institute Mitteilungen, No. 72, 143-152, 1983.
67. Lanier, L., **Engleman, E.G.**, Gatenby, P., Babcock, G.F., Warner, N., and Herzenberg, L. Correlation of functional properties of human lymphoid cell subsets and surface marker

- phenotypes using multiparameter analysis and flow cytometry. **Immunol. Rev.** 74:143-160, 1983.
68. Kotzin, B.L., Strober, S., Kansas, G.S., Terrell, C.P., and **Engleman, E.G.** Suppression of pokeweed mitogen-stimulated immunoglobulin production in patients with rheumatoid arthritis after treatment with total lymphoid irradiation. **J. Immunol.** 132:1049-1055, 1984.
 69. Field, E.H., **Engleman, E.G.**, Terrell, C.P., and Strober, S. Reduced in vitro immune responses of purified human Leu-3 (helper/inducer phenotype) cells after total lymphoid irradiation. **J. Immunol.** 132:1031-1035, 1984.
 70. Damle, N.K., Mohaghehpour, N., and **Engleman, E.G.** Soluble antigen- primed inducer T cells activate antigen-specific suppressor T cells in the absence of antigen-pulsed accessory cells: phenotypic definition of suppressor-inducer and suppressor-effector cells. **J. Immunol.** 132:644-650, 1984.
 71. Fountzoulas, S.K.H., Perkins, S., Raubitschek, A., Larrick, J., Lizak, G., Fishwild, D., **Engleman, E.G.**, and Grumet, F.C. Rescue of human monoclonal antibody production from an EBV-transformed B cell line by fusion to a human-mouse hybridoma. **J. Immunol. Methods** 70:83-90, 1984.
 72. Lifson, J.D., Benike, C.J., Mark, D.F., Kothe, K., and **Engleman, E.G.** Human recombinant interleukin-2 partly reconstitutes deficient in-vitro immune responses of lymphocytes from patients with AIDS. **The Lancet** 1:698-702, 1984.
 73. Mohaghehpour, N., Damle, N.K., Moonka, D.K., Terrell, C.P., and **Engleman, E.G.** A human alloreactive inducer T cell clone that selectively activates antigen-specific suppressor T cells. **J. Immunol.** 133:133-136, 1984.
 74. Khan, M.M., Sansoni, P., **Engleman, E.**, and Melmon, K.L. Distribution of β -adrenergic receptors in human T cell subsets. **Proc. West. Pharmacol. Soc.** 27:349-351, 1984.
 75. Damle, N.K., Mohaghehpour, N., and **Engleman, E.G.** Activation of antigen-specific suppressor T lymphocytes in man involves dual recognition of self class I MHC molecules and Leu-4/T3-associated structures on the surface of inducer T lymphocytes. **J. Immunol.** 133:1235-1240, 1984.
 76. Luft, B.J., Kansas, G., **Engleman, E.G.**, and Remington, J.S. Functional and quantitative alterations in T lymphocyte subpopulations in acute toxoplasmosis. **J. Infect. Dis.** 150:761-767, 1984.
 77. **Engleman, E.G.** and Rosenbaum, J.T. HLA and disease: An overview. In: **Spondylarthropathies.** Ed. A. Calin. Grune & Stratton, Inc., pp. 279-296, 1984.
 78. Damle, N.K., Mohaghehpour, N., Kansas, G.S., and **Engleman, E.G.** Multiple T lymphocyte subsets interact to regulate the immune response in man. In: **Immunogenetics--Its**

Applications to Clinical Medicine. Eds. T. Sasasuki and T. Tada. Academic Press, pp. 97-108, 1984.

79. Damle, N.K., and **Engleman, E.G.** Immunoregulatory T cell circuits in man - An overview of recent advances. **Survey of Immunologic Research** 3:107-110, 1984.
80. Lifson, J.D., Benike, C.J., Mark, D.F., Koths, K., and **Engleman, E.G.** In vitro effects of purified recombinant interleukin 2 on immune functions in patients with acquired immunodeficiency syndrome. In: **Acquired Immune Deficiency Syndrome, UCLA Symposium on Molecular Biology**, New Series, Vol. 16. Eds. M.S. Gottlieb and J.E. Groopman. Alan R. Liss, Inc., New York, NY, pp. 223-246, 1984.
81. Fishwild, D., Lifson, J., and **Engleman, E.G.** Human T lymphocyte subsets defined by monoclonal antibodies: Functional analysis and application to a blood donor screening program for the AIDS carrier state. In: **Acquired Immune Deficiency Syndrome, UCLA Symposium on Molecular Biology**, New Series, Vol. 16. Eds. M.S. Gottlieb and J.E. Groopman. Alan R. Liss, Inc., New York, NY, pp. 247-263, 1984.
82. Damle, N.K., Mohaghehpour, N., Kansas, G.S., and **Engleman, E.G.** Identification of an immunoregulatory T-cell circuit in man. In: **Regulation of the Immune System, UCLA Symposium on Molecular and Cellular Biology**, New Series, Vol. 18. Eds. E. Sercarz, H. Cantor, and L. Chess. Alan R. Liss, Inc., NY, pp. 761-777, 1984.
83. Lanier, L.L., Benike, C.J., Phillips, J.H., and **Engleman, E.G.** Recombinant interleukin 2 enhanced natural killer cell-mediated cytotoxicity in human lymphocyte subpopulations expressing the Leu 7 and Leu 11 antigens. **J. Immunol.** 134:794-801, 1985.
84. Damle, N.K., Mohaghehpour, N., Kansas, G.S., Fishwild, D.M., and **Engleman, E.G.** Immunoregulatory T cell circuits in man. Identification of a distinct T cell subpopulation of the helper/inducer lineage that amplifies the development of alloantigen-specific suppressor T cells. **J. Immunol.** 134:235-243, 1985.
85. Sansoni, P., Silverman, E.D., Khan, M.M., Melmon, K.L., and **Engleman, E.G.** Immunoregulatory T cells in man. Histamine-induced suppressor T cells are derived from a Leu 2+ (T8+) subpopulation distinct from that which gives rise to cytotoxic T cells. **J. Clin. Invest.** 75:650-656, 1985.
86. Levitt, L., Kipps, T.J., **Engleman, E.G.** and Greenberg, P.L. Human bone marrow and peripheral blood T lymphocyte depletion: Efficacy and effects of both T cells and monocytes on growth of hematopoietic progenitors. **Blood** 65:663-679, 1985.
87. Sriram, S., Stewart, G.J., Buhler, M., Grumet, C., and **Engleman, E.** HLA-DR antigens in multiple sclerosis: two-dimensional gel electrophoresis. **Neurology** 35(2):248-251, 1985.

88. Strober, S., Tanay, A., Field, E., Hoppe, R.T., Calin, A., **Engleman, E.G.**, Kotzin, B., Brown, B.W., and Kaplan, H.S. Efficacy of total lymphoid irradiation in intractable rheumatoid arthritis. A double-blind, randomized trial. **Annals Int. Med.** 102:441-449, 1985.
89. Strober, S., Field, E., Hoppe, R.T., Kotzin, B.L., Shemesh, O., **Engleman, E.**, Ross, J.C., and Myers, B.D. Treatment of intractable lupus nephritis with total lymphoid irradiation. **Annals Int. Med.** 102:450-458, 1985.
90. Lifson, J.D., Finch, S.L., Sasaki, D.T., and **Engleman, E.G.** Variables affecting T-lymphocyte subsets in a volunteer blood donor population. **Clin. Immunol. Immunopath.** 36:151-160, 1985.
91. Kansas, G.S., Wood, G.S., Fishwild, D.M., and **Engleman, E.G.** Functional characterization of human T lymphocyte subsets distinguished by monoclonal anti-Leu-8. **J. Immunol.** 134:2995-3002, 1985.
92. Kansas, G.S., Wood, G.S., and **Engleman, E.G.** Maturation and functional diversity of human B lymphocytes delineated with anti-Leu-8. **J. Immunol.** 134:3003-3006, 1985.
93. Fong, S.K.H., Perkins, S., Koropchak, C., Fishwild, D.M., Wittek, A.E., **Engleman, E.G.**, Grumet, F.C., and Arvin, A.M. Human monoclonal antibodies neutralizing varicella-zoster virus. **J. Infect. Dis.** 152:280-285, 1985.
94. Khan, M.M., Sansoni, P., **Engleman, E.G.**, and Melmon, K.L. Pharmacologic effects of autacoids on subsets of T cells. Regulation of expression/ function of histamine-2 receptors by a subset of suppressor cells. **J. Clin. Invest.** 75:1578-1583, 1985.
95. Mohagheghpour, N., Gelber, R.H., Larrick, J.W., Sasaki, D.T., Brennan, P.J., and **Engleman, E.G.** Defective cell-mediated immunity in leprosy: Failure of T cells from lepromatous leprosy patients to respond to *Mycobacterium leprae* is associated with defective expression of interleukin 2 receptors and is not reconstituted by interleukin 2. **J. Immunol.** 135:1443-1449, 1985.
96. Fong, S.K.H., Perkins, S., McCallum, W.D., Tom, S., **Engleman, E.G.**, and Grumet, F.C. A new approach to the diagnosis of active Rh₀(D) immunization in passively immunized pregnant women. **Vox Sang.** 49:206-210, 1985.
97. Damle, N.K., Fishwild, D.M., and **Engleman, E.G.** Antigen-specific suppressor T lymphocytes in man make use of the same set of surface molecules as do cytolytic T lymphocytes: Roles of Leu-2/T8, Leu-4/T3, Leu-5/T11, LFA-1 molecules. **J. Immunol.** 135:1724-1730, 1985.
98. Burger, H., Weiser, B., Robinson, W.S., Lifson, J., **Engleman, E.**, Rouzioux, C., Brun-Vezinet, F., Barre-Sinoussi, F., Montagnier, L., and Chermann, J.C. Transient antibody to lymphadenopathy-associated virus/ human T-lymphotropic virus type III and T-lymphocyte abnormalities in the wife of a man who developed the acquired immunodeficiency syndrome. **Annals Int. Med.** 103:545-547, 1985.

99. Levitt, L., Kipps, T.J., **Engleman, E.G.**, and Greenberg, P.L. Human bone marrow and peripheral blood T lymphocyte depletion: efficacy and effects of both T cells and monocytes on growth of hematopoietic progenitors. **Blood** 65:663-679, 1985.
100. Mohaghehpour, N., Damle, N.K., and **Engleman, E.G.** Regulation of the immune response in man by a cascade of interactive T lymphocytes. In: **Molecular Basis of Cellular Regulation**. Eds. P.B. Chock and C. Wang. Academic Press, New York, NY, pp. 127-135, 1985.
101. Fishwild, D., and **Engleman, E.G.** Human T cell subpopulations distinguished by monoclonal antibodies. In: **Immunological Ocular Disease**. Eds. M.H. Friedlaender and K.T. Tabbara. Little, Brown and Company, pp. 55-62, 1985.
102. Grumet, F.C., Calin, A., **Engleman, E.G.**, Fish, L., and Fong, S.K.H. Studies of HLA-B27 using monoclonal antibodies: ethnic- and disease-associated variants. In: **Advances in Inflammation Research**, Vol. 9: The Spondyloarthropathies. Eds. M. Ziff and S.B. Cohen. Raven Press, New York, NY, pp. 41-53, 1985.
103. Coutre, S., Fong, S., and **Engleman, E.G.** Human T lymphocyte subsets and T-T hybridomas. In: **Human Hybridomas and Monoclonal Antibodies**. Eds. **E.G. Engleman**, S.K. Fong, J. Larrick, and A. Raubitschek. Plenum Press, NY, pp. 311-321, 1985.
104. Fong, S.K.H., Perkins, S., Arvin, A., Lifson, J., Mohaghehpour, N., Fishwild, D., Grumet, F.C., and **Engleman, E.G.** Production of human monoclonal antibodies using a human-mouse fusion partner. In: **Human Hybridomas and Monoclonal Antibodies**. Eds. **E.G. Engleman**, S.K.H. Fong, J. Larrick, and A. Raubitschek. Plenum Press, NY, pp. 135-148, 1985.
105. Coutre, S., Benike, C.J., and **Engleman, E.G.** Panning for human T-lymphocyte subpopulations. In: **Human Hybridomas and Monoclonal Antibodies**. Eds. **E.G. Engleman**, S.K.H. Fong, J. Larrick, and A. Raubitschek. Plenum Press, NY, pp. 441-442, 1985.
106. Turek, P.J., Grumet, F.C., and **Engleman, E.G.** Molecular variants of the HLA-B27 antigen in healthy individuals and patients with spondylarthropathies. **Immunol. Rev.** 86:71-91, 1985.
107. Krensky, A.M., Lanier, L.L., and **Engleman, E.G.** Lymphocyte subsets and surface molecules in man. **Clin. Immunol. Rev.** 4(1):95-138, 1985.
108. Damle, N.K., Fishwild, D.M., Mohaghehpour, N., and **Engleman, E.G.** MHC-restricted antigen-receptor specific regulatory T cell circuits in man. In: **Human T Cell Clones**. Ed. Marc Feldmann. The Humana Press, Inc., Clifton, NJ, pp. 197-208, 1985.
109. Damle, N.K. and **Engleman, E.G.** Immunoregulatory T lymphocytes in man - Cell surface molecules involved in their function. In: **Year in Immunology** 1984-85, pp. 39-50, 1985.
110. Burger, H., Weiser, B., Robinson, W.S., Lifson, J., **Engleman, E.**, Rouzioux, C., Brun-Vezinet, F., Barre-Sinoussi, F., Montagnier, L., and Chermann, J.C. Transmission of lymphadenopathy-

associated virus/human T lymphotropic virus type III in sexual partners. Seropositivity does not predict infectivity in all cases. **Am. J. Med.** 81:5-10, 1986.

111. Lifson, J., Raubitschek, A., Benike, C., Koths, K., Ammann, A., Sondel, P., and **Engleman, E.** Purified interleukin-2 induces proliferation of fresh human lymphocytes in the absence of exogenous stimuli. **J. Biol. Response Modif.** 5:61-72, 1986.
112. Lifson, J.D., Sasaki, D.T., and **Engleman, E.G.** Utility of formaldehyde fixation for flow cytometry and inactivation of the AIDS associated retrovirus. **J. Immunol. Meth.** 86:143-149, 1986.
113. Khan, M.M., Sansoni, P., Silverman, E.D., **Engleman, E.G.**, and Melmon, K.L. Beta-adrenergic receptors on human suppressor, helper, and cytolytic lymphocytes. **Biochem. Pharmacol.** 35:1137-1142, 1986.
114. Gatenby, P.A., and **Engleman, E.G.** Immunoglobulin production in the autologous MLR: target of the suppressor-amplifier circuit. **Clin. Exp. Immunol.** 65:401-408, 1986.
115. Lifson, J.D., Reyes, G.R., McGrath, M.S., Stein, B.S., and **Engleman, E.G.** AIDS retrovirus induced cytopathology: Giant cell formation and involvement of CD4 antigen. **Science** 232:1123-1127, 1986.
116. Mohaghehpour, N., Damle, N.K., Takada, S., and **Engleman, E.G.** Generation of antigen receptor-specific suppressor T cell clones in man. **J. Exp. Med.** 164:950-955, 1986.
117. Lifson, J.D., Feinberg, M.B., Reyes, G.R., Rabin, L., Banapour, B., Chakrabarti, S., Moss, B., Wong-Staal, F., Steimer, K.S., and **Engleman, E.G.** Induction of CD4-dependent cell fusion by the HTLV-III/LAV envelope glycoprotein. **Nature** 323:725-728, 1986.
118. Lifson, J., Coutre, S., Huang, E., and **Engleman, E.** Role of envelope glycoprotein carbohydrate in human immunodeficiency virus (HIV) infectivity and virus-induced cell fusion. **J. Exp. Med.** 164:2101-2106, 1986.
119. Garcia, C.F., Lifson, J.D., **Engleman, E.G.**, Schmidt, D.M., Warnke, R.A., and Wood, G.S. The immunohistology of the persistent generalized lymphadenopathy syndrome (PGL). **Am. J. Clin. Path.** 86:706-715, 1986.
120. Fathman, C.G., and **Engleman, E.G.** T cell lines and hybrids in mouse and man. In: **Handbook of Experimental Immunology** (Fourth Edition). Eds. D.M. Weir, L.A. Herzenberg, C. Blackwell, and L.A. Herzenberg. Blackwell Scientific Publications, Ltd., Edinburgh, vol. 2, pp. 69.1-69.12, 1986.
121. Fount, S.K.H., **Engleman, E.G.**, and Grumet, F.C. Generation of human monoclonal antibody production from EBV transformed cells with a human-mouse hybridoma. In: **Methods in Enzymology**, Eds. G. DiSabato, J.J. Langone, and H. van Vunakis. Academic Press, Orlando, FL, 1986.

122. Alpert, S.D., Turek, P.J., Fong, S.K.H., and **Engleman, E.G.** Human monoclonal anti-T cell antibody from a patient with juvenile rheumatoid arthritis. **J. Immunol.** 138:104-108, 1987.
123. Mohagheghpour, N., Gelber, R.R., and **Engleman, E.G.** T cell defect in lepromatous leprosy is reversible in vitro in the absence of exogenous growth factors. **J. Immunol.** 138:570-574, 1987.
124. Fong, S.K.H., Blunt, J.A., Wu, P.S., Ahearn, P., Winn, L.C., **Engleman, E.G.**, and Grumet, F.C. Human monoclonal antibodies to Rh₀(D). **Vox Sang.** 53:44-47, 1987.
125. Luft, B.J., Pedrotti, P.W., **Engleman, E.G.**, and Remington, J.S. Induction of antigen-specific suppressor T cells during acute infection with *Toxoplasma gondii*. **J. Infect. Dis.** 155:1033-1037, 1987.
126. Kansas, G.S. and **Engleman, E.G.** Phenotypic identification of suppressor-effector, suppressor-amplifier and suppressor-inducer T cells of B cell differentiation in man. **Eur. J. Immunol.** 17:453-457, 1987.
127. Bender, J.R., Pardi, R., Karasek, M.A., and **Engleman, E.G.** Phenotypic and functional characterization of lymphocytes that bind human microvascular endothelial cells in vitro. Evidence for preferential binding of natural killer cells. **J. Clin. Invest.** 79:1679-1688, 1987.
128. Sasaki, D.T., Dumas, S.E., and **Engleman, E.G.** Discrimination of viable and non-viable cells using propidium iodide in two color immunofluorescence. **Cytometry** 8:413-420, 1987.
129. Weiser, B., Burger, H., Steimer, K., Lifson, J., **Engleman, E.**, Grimson, R., and Robinson, W.S. Antibody to human immunodeficiency virus correlates with decreased T helper lymphocytes in asymptomatic individuals. **J. Med. Virol.** 22:237-244, 1987.
130. Stein, B.S., Gowda, S.D., Lifson, J.D., Penhallow, R.C., Bensch, K.G., and **Engleman, E.G.** pH-Independent HIV entry into CD4-positive T cells via virus envelope fusion to the plasma membrane. **Cell** 49:659-668, 1987.
131. Pardi, R., Bender, J.R., and **Engleman, E.G.** Lymphocyte subsets differentially induce class II human leukocyte antigens on allogeneic microvascular endothelial cells. **J. Immunol.** 139:2585-2592, 1987.
132. Banapour, B., Rosenthal, K., Rabin, L., Sharma, V., Young, L., Fernandez, J., **Engleman, E.**, McGrath, M., Reyes, G., and Lifson, J. Characterization and epitope mapping of a human monoclonal antibody reactive with the envelope glycoprotein of human immunodeficiency virus. **J. Immunol.** 139:4027-4033, 1987.
133. Takada, S., and **Engleman, E.G.** Evidence for an association between CD8 molecules and the T cell receptor complex on cytotoxic T cells. **J. Immunol.** 139:3231-3235, 1987.

134. Alpert, S.D., Koide, J., Takada, S., and **Engleman, E.G.** T cell regulatory disturbances in the rheumatic diseases. In: **Immunology of the Rheumatic Diseases**. Eds. D. Pisetsky and R. Snyderman. Saunders, pp. 431-445, 1987.
135. Evans, R.L. and **Engleman, E.G.** Dual recognition by coupled receptors in a model of T lymphocyte differentiation. In: **Monoclonal Antibodies for the Study of Autoimmunity and Immunodeficiency**. Eds. B. Haynes and G. Eisenbarth, Academic Press, 1987.
136. **Engleman, E.G.**, and Grumet, F.C. Influence of the HLA system on disease susceptibility. In: **Dermatology in General Medicine**, 3rd edition, Ed. T.B. Fitzpatrick. McGraw-Hill, pp. 386-393, 1987.
137. Fishwild, D.M., Benike, C.J., and **Engleman, E.G.** Activation of HLA-restricted EBV-specific cytotoxic T cells does not require CD4+ (helper) T cells or exogenous cytokines. **J. Immunol.** 140:1994-1998, 1988.
138. Levitt, L.J., Reyes, G.R., Moonka, D.K., Bensch, K., Miller, R.A., and **Engleman, E.G.** Human T cell leukemia virus-I-associated T-suppressor cell inhibition of erythropoiesis in a patient with pure red cell aplasia and chronic T γ -lymphoproliferative disease. **J. Clin. Invest.** 81:538-548, 1988.
139. Rivas, A., Takada, S., Koide, J., Sonderstrup-McDevitt, G., and **Engleman, E.G.** CD4 molecules are associated with the antigen receptor complex on activated but not resting T cells. **J. Immunol.** 140:2912-2918, 1988.
140. Saper, V., Chow, D., **Engleman, E.G.**, Hoppe, R.T., Levin, B., Collins, G., and Strober, S. Clinical and immunological studies of cadaveric renal transplant recipients given total-lymphoid irradiation and maintained on low-dose prednisone. **Transplantation** 45:540-546, 1988.
141. Bender, J.R., Pardi, R., Kosek, J., and **Engleman, E.G.** Evidence that cytotoxic lymphocytes alter and traverse allogeneic endothelial cell monolayers. **Transplantation** 47:1047-1053, 1989.
142. Gowda, S.D., Stein, B.S., Mohagheghpour, N., Benike, C.J., and **Engleman, E.G.** Evidence that T cell activation is required for HIV-1 entry in CD4+ lymphocytes. **J. Immunol.** 142:773-780, 1989.
143. Gowda, S.D., Stein, B.S., Steimer, K.S., and **Engleman, E.G.** Expression and processing of human immunodeficiency virus type 1 *gag* and *pol* genes by cells infected with a recombinant vaccinia virus. **J. Virology** 63:1451-1454, 1989.
144. Rivas, A., Koide, J., Cleary, M.L., and **Engleman, E.G.** Evidence for involvement of the γ , δ T cell antigen receptor in cytotoxicity mediated by human alloantigen-specific T cell clones. **J. Immunol.** 142:1840-1846, 1989.

145. Khan, M.M., Fishwild, D.M., Melmon, K.L., Coutre, S., **Engleman, E.G.**, and Bauer, J.A. A subset of human rosetted lymphocytes contains previously unidentified histamine. **Clin. Immunol. and Immunopath.** 52:147-159, 1989.
146. Koide, J., Rivas, A., and **Engleman, E.G.** Natural killer (NK)-like cytotoxic activity of allospecific T cell receptor- γ , δ + T cell clones. Distinct receptor-ligand interactions mediate NK-like and allospecific cytotoxicity. **J. Immunol.** 142:4161-4168, 1989.
147. Takada, S., Koide, J., and **Engleman, E.G.** Differences in surface phenotype between cytolytic and non-cytolytic CD4+ T cells. MHC class II-specific cytotoxic T lymphocytes lack Leu 8 antigen and express CD2 in high density. **J. Immunol.** 142:3038-3044, 1989.
148. Gowda, S.D., Stein, B.S., and **Engleman, E.G.** Identification of protein intermediates in the processing of the p55 HIV-1 gag precursor in cells infected with recombinant vaccinia virus. **J. Biol. Chem.** 264:8459-8462, 1989.
149. Strober, S., Dhillon, M., Schubert, M., Holm, B., **Engleman, E.**, Benike, C., Hoppe, R., Sibley, R., Myburgh, J.A., Collins, G., and Levin, B. Acquired immune tolerance to cadaveric renal allografts. A study of three patients treated with total lymphoid irradiation. **New Engl. J. Med.** 321:28-33, 1989.
150. Damle, N.K., and **Engleman, E.G.** Antigen-specific suppressor T lymphocytes in man. **Clin. Immunol. and Immunopath.** 53:S17-S24, 1989.
151. Brenner, C.A., Tam, A.W., Nelson, P.A., **Engleman, E.G.**, Suzuki, N., Fry, K.E., and Larrick, J.W. Message Amplification Phenotyping (MAPPING): A technique to simultaneously measure multiple mRNAs from small numbers of cells. **Biotechniques** 7:1096-1103, 1989.
152. Pardi, R., Bender, J.R., Dettori, C., Giannazza, E., and **Engleman, E.G.** Heterogeneous distribution and transmembrane signaling properties of lymphocyte function-associated antigen (LFA-1) in human lymphocyte subsets. **J. Immunol.** 143:3157-3166, 1989.
153. Lifson, J.D., and **Engleman, E.G.** Role of CD4 in normal immunity and HIV infection. **Immunol. Rev.** 109:93-117, 1989.
154. **Engleman, E.G.** Human T cells, their subsets and surface molecules. In: **Immunologia Clinica 89**, Eds. N.E. Bianco and I.V. Machado. Conicit Fondo Editorial, Caracas, pp. 15-27, 1989.
155. Suzuki, N., Sakane, T., and **Engleman, E.G.** Anti-DNA antibody production by CD5+ and CD5- B cells of patients with systemic lupus erythematosus. **J. Clin. Invest.** 85:238-247, 1990.
156. Koide, J., and **Engleman, E.G.** Differences in surface phenotype and mechanism of action between alloantigen-specific CD8+ cytotoxic and suppressor T cell clones. **J. Immunol.** 144:32-40, 1990.

157. Silverman, E.D., Somma, C., Khan, M.M., Melmon, K.L., and **Engleman, E.G.** Abnormal T suppressor cell function in juvenile rheumatoid arthritis. **Arth. Rheum.** 33:205-211, 1990.
158. Stein, B.S., and **Engleman, E.G.** Intracellular processing of the gp160 HIV-1 envelope precursor. Endoproteolytic cleavage occurs in a *cis* or medial compartment of the Golgi complex. **J. Biol. Chem.** 265:2640-2649, 1990.
159. Markowicz, S., and **Engleman, E.G.** Granulocyte-macrophage colony-stimulating factor promotes differentiation and survival of human peripheral blood dendritic cells in vitro. **J. Clin. Invest.** 85:955-961, 1990.
160. Mohaghehpour, N., Munn, M.W., Gelber, R.H., and **Engleman, E.G.** Identification of an immunostimulating protein from *Mycobacterium leprae*. **Infect. Immun.** 58:703-710, 1990.
161. Rivas, A., Koide, J., Laus, R., and **Engleman, E.G.** Alloantigen-specific cytotoxic clones bearing the α, β T cell antigen receptor but not CD4 or CD8 molecules. **J. Immunol.** 145:470-476, 1990.
162. Suzuki, N., Bianchi, E., Bass, H., Suzuki, T., Bender, J., Pardi, R., Brenner, C.A., Larrick, J.W., and **Engleman, E.G.** Natural killer lines and clones with apparent antigen specificity. **J. Exp. Med.** 172:457-462, 1990.
163. Bender, J.R., Pardi, R., and **Engleman, E.** T-cell receptor-negative natural killer cells display antigen-specific cytotoxicity for microvascular endothelial cells. **Proc. Natl. Acad. Sci. USA** 87:6949-6953, 1990.
164. Damle, N.K., and **Engleman, E.G.** Role of suppressor T cells and suppressor circuits. In: **Immunophysiology: the role of cells and cytokines in immunity and inflammation.** Eds. J.J. Oppenheim and E. Shevach, Oxford University Press, NY, pp. 405-417, 1990.
165. Gowda, S.D., Stein, B.S., and **Engleman, E.G.** HIV-1 entry into CD4+ T cells: Roles of endosomal pH and T cell activation. In: **Human Retroviruses. UCLA Symposia on Molecular and Cellular Biology**, New Series, Vol. 119. Eds. J.E. Groopman, I. Chen, M. Essex, and R. Weiss. Alan R. Liss, Inc., New York, pp. 227-237, 1990.
166. Rugg, C.L., and **Engleman, E.G.** Impaired immunity in AIDS. The mechanisms responsible and their potential reversal by antiviral therapy. In: **AIDS: Anti-HIV Agents, Therapies, and Vaccines.** Eds. V. St. Georgiev and J.J. McGowan. Annals of The New York Academy of Sciences, Volume 616, pp. 307-317, 1990.
167. Mohaghehpour, N., Chakrabarti, R., Stein, B.S., Gowda, S.D., and **Engleman, E.G.** Early activation events render T cells susceptible to HIV-1-induced syncytia formation. Role of protein kinase C. **J. Biol. Chem.** 266:7233-7238, 1991.

168. Suzuki, N., Suzuki, T., and **Engleman, E.G.** Evidence for the involvement of CD56 molecules in alloantigen-specific recognition by human natural killer cells. **J. Exp. Med.** 173:1451-1461, 1991.
169. Chakrabarti, R., and **Engleman, E.G.** Interrelationships between mevalonate metabolism and the mitogenic signaling pathway in T lymphocyte proliferation. **J. Biol. Chem.** 266:12216-12222, 1991.
170. Suzuki, T., Suzuki, N., Daynes, R.A., and **Engleman, E.G.** Dehydroepiandrosterone enhances IL2 production and cytotoxic effector function of human T cells. **Clin. Immunol. Immunopath.** 61:202-211, 1991.
171. Galel, S. and **Engleman, E.** Hepatitis C Test. **Western J. Med.** 154:91-92, 1991.
172. Rausch, D.M., Hwang, K.M., Padgett, M., Voltz, A.-H., Rivas, A., **Engleman, E.**, Gaston, I., McGrath, M., Fraser, B., Kalyanaraman, V.S., Nara, P.L., Dunlop, N., Martin, L., Murphey-Corb, M., Kibort, T., Lifson, J.D., and Eiden, L.E. Peptides derived from the CDR3-homologous domain of the CD4 molecule are specific inhibitors of HIV-1 and SIV infection, virus-induced cell fusion, and postinfection viral transmission in vitro: Implications for the design of small-peptide anti-HIV therapeutic agents. In: **AIDS Anti-HIV Agents, Therapies, and Vaccines.** Eds. V. St. Georgiev and J.J. McGowan. The New York Academy of Sciences, Volume 616, pp. 125-148, 1991.
173. Galel, S.A., **Engleman, E.G.**, and Fong, S.K.H. Human Monoclonal Autoantibodies. In: **Monoclonal Antibodies, Cytokines, and Arthritis.** Mediators of Inflammation and Therapy. Marcel Dekker, Inc., New York, pp. 57-74, 1991.
174. **Engleman, E.G.**, and Lifson, J.D. Acquired Immunodeficiency Syndrome (AIDS). In: **Immunology. A Scope Publication.** Ed. B.D. Schwartz. The Upjohn Company, Kalamazoo, MI, pp. 193-206, 1991.
175. Stein, B.S. and **Engleman, E.G.** Mechanism of HIV-1 entry into CD4+ T cells. In: **Mechanisms and Specificity of HIV Entry into Host Cells. Advances in Experimental Medicine and Biology.** Vol. 300, Ed. Nejat Duzgunes. Plenum Press, New York, NY, pp. 71-96, 1991.
176. Ruegg, C.L., Rajasekar, S., Stein, B.S., and **Engleman, E.G.** Degradation of CD4 following phorbol-induced internalization in human T lymphocytes. Evidence for distinct endocytic routing of CD4 and CD3. **J. Biol. Chem.** 267:18837-18843, 1992.
177. Crowe, S.M., Mills, J., Elbeik, T., Lifson, J.D., Kosek, J., Marshall, J.A., **Engleman, E.G.**, and McGrath, M.S. Human immunodeficiency virus-infected monocyte-derived macrophages express surface gp120 and fuse with CD4 lymphoid cells *in vitro*: a possible mechanism of T lymphocyte depletion *in vivo*. **Clin. Immunol. Immunopath.** 65:143-151, 1992.

178. Suzuki, N., Kansas, G., and **Engleman, E.G.** Lymphocytes: structure and function. In: **Arthritis and Allied Conditions**. 12th Edition, Ed. D.J. McCarty and W.J. Koopman. Lea & Febiger, Philadelphia, PA, 1993.
179. Gatenby, P., Grumet, F.C., and **Engleman, E.G.** Influence of the HLA system on disease susceptibility. In: **Dermatology in General Medicine**, Fourth Ed. McGraw-Hill, Inc., pp. 423-429, 1993.
180. Mehta-Damani, A., Markowicz, S., and **Engleman, E.G.** Generation of antigen-specific CD8+ CTLs from naive precursors. **J. Immunol.** 153:996-1003, 1994.
181. Godfrey, W.R., Fagnoni, F.F., Harara, M.A., Buck, D., and **Engleman, E.G.** Identification of a human OX-40 ligand, a costimulator of CD4+ T cells with homology to tumor necrosis factor. **J. Exp. Med.** 180:757-762, 1994.
182. van Vollenhoven, R.F., **Engleman, E.G.**, and McGuire, J.L. An open study of dehydroepiandrosterone in systemic lupus erythematosus. **Arth. Rheum.** 37:1305-1310, 1994.
183. Takamizawa, M. Fagnoni, F., Mehta-Damani, A., Rivas, A., and **Engleman, E.G.** Cellular and molecular basis of human $\gamma\delta$ T cell activation. Role of accessory molecules in alloactivation. **J. Clin. Invest.** 95:296-303, 1995.
184. Rivas, A., Ruegg, C.L., Zeitung, J., Laus, R., Warnke, R., Benike, C., and **Engleman, E.G.** V7, a novel leukocyte surface protein that participates in T cell activation. I. Tissue distribution and functional studies. **J. Immunol.** 154:4423-33, 1995.
185. Ruegg, C.L., Rivas, A., Madani, N.D., Zeitung, J., Laus, R., and **Engleman, E.G.** V7, a novel leukocyte surface protein that participates in T cell activation. II. Molecular cloning and characterization of the V7 gene. **J. Immunol.** 154:4434-43, 1995.
186. Suzuki, T, Suzuki, N., **Engleman, E.G.**, Mizushima, Y., and Sakane, T. Low serum levels of dehydroepiandrosterone may cause deficient IL-2 production by lymphocytes in patients with systemic lupus erythematosus (SLE). **Clin. Exp. Immunol.** 99:251-255, 1995.
187. Mehta-Damani, A., Markowicz, S., and **Engleman, E.G.** Generation of antigen specific CD4+ T cell lines from naive precursors. **Eur. J. Immunol.** 25:1206-1211, 1995.
188. Kos, F.J. and **Engleman, E.G.** Requirement for natural killer cells in the induction of cytotoxic T cells. **J. Immunol.** 155:578-584, 1995.
189. Fagnoni, F.F., Takamizawa, M., Godfrey, W.R., Rivas, A., Azuma, M., Okumura, K., and **Engleman, E.G.** Role of B70/B7-2 in CD4+ T-cell immune responses induced by dendritic cells. **Immunology** 85:467-474, 1995.

190. Sansoni, P., Passeri, G., Fagnoni, F., Mohaghehpour, N., Snelli, G., Brianti, V., and **Engleman, E.G.** Inhibition of antigen-presenting cell function by alendronate in vitro. **J. Bone and Mineral Res.** 10:1719-1725, 1995.
191. van Vollenhoven, R.F., **Engleman, E.G.**, and McGuire, J.L. Dehydroepiandrosterone in systemic lupus erythematosus. Results of a double-blind, placebo-controlled, randomized clinical trial. **Arth. Rheum.** 38:1826-31, 1995.
192. Kapp, J.A., Pierce, C.W., Webb, D.R., Devens, B., Godfrey, W., Fukuse, S., **Engleman, E.**, Lake, J.P., Magnani, J.I., Maiti, P.K., and Schon, A. Characterization of the epitope recognized by a mAb that reacts differentially with murine suppressor T cells. **International Immunology** 7:1319-1330, 1995.
193. Galel, S.A., Lifson, J.D., and **Engleman, E.G.** Prevention of AIDS transmission through screening of the blood supply. In: **Annual Review of Immunology**, Vol. 13. Ed. W.E. Paul, Annual Reviews Inc., Palo Alto, CA, pp. 201-227, 1995.
194. Godfrey, W., Buck, D., Harara, M., Benike, C., and **Engleman, E.** Studies of the L106 protein and its gene: evidence that L106 and OX-40 are homologous. In: **Leucocyte Typing V**. Ed. S. Schlossman et al., Oxford University Press, Oxford, pp. 1157-1160, 1995.
195. Mohaghehpour, N., Dawson, M., Hobbs, P., Judd, A., Winant, R., Dousman, L., Waldeck, N., Hokama, L., Tuse, D., Kos, F., Benike, C., and **Engleman, E.** Glucans as immunological adjuvants. In: **Immunobiology of Proteins and Peptides VIII**. Ed. M.Z. Atassi and G.S. Bixler, Jr. Plenum Press, New York, 1995.
196. Hsu, F.J., Benike, C., Fagnoni, F., Liles, T.M., Czerwinski, D., Taidi, B., **Engleman, E.G.**, and Levy, R. Vaccination of patients with B-cell lymphoma using autologous antigen pulsed dendritic cells. **Nature Medicine** 2:52-58, 1996.
197. Weinberg, A.D., Bourdette, D.N., Sullivan, T.J., Lemon, M., Wallin, J.J., Maziarz, R., Davey, M., Palida, F., Godfrey, W., **Engleman, E.**, Fulton, R.J., Offner, H., and Vandenberg, A.A. Selective depletion of myelin-reactive T cells with the anti-OX-40 antibody ameliorates autoimmune encephalomyelitis. **Nature Medicine** 2:183-189, 1996.
198. Kos, F.J. and **Engleman, E.G.** Immune regulation: a critical link between NK cells and CTLs. **Immunology Today** 17:174-176, 1996.
199. Ruegg, C.L., Wu, H., Fagnoni, F.F., **Engleman, E.G.**, and Laus, R. B4B, a novel growth-arrest gene, is expressed by a subset of progenitor/pre-B lymphocytes negative for cytoplasmic μ -chain. **J. Immunol.** 157:72-80, 1996.
200. Kos, F.J. and **Engleman, E.G.** Role of natural killer cells in the generation of influenza virus-specific cytotoxic T cells. **Cellular Immunology** 173:1-6, 1996.

201. Kansas, G. and **Engleman, E.G.** Structure and Function of Lymphocytes. In: **Arthritis and Allied Conditions**, 13th Edition. Ed. W.J. Koopman. Williams & Wilkins, Baltimore, MD, pp. 355-369, 1996.
202. **Engleman, E.G.** Dendritic cells in the treatment of cancer. **Biology of Blood and Marrow Transplantation** 2:115-117, 1996.
203. Dupuis, M., Peshwa, M.V., Benike, C., Kundu, S.K., **Engleman, E.G.**, van Schooten, W.C.A., and Merigan, T.C. Allogeneic dendritic cell induction of HIV-specific cytotoxic T lymphocyte responses from T cells of HIV type 1-infected and uninfected individuals. **AIDS Res. Hum. Retrovir.** 13:33-39, 1997.
204. Takamizawa, M., Rivas, A., Fagnoni, F., Benike, C., Kosek, J., Hyakawa, H., and **Engleman, E.G.** Dendritic cells that process and present nominal antigens to naive T lymphocytes are derived from CD2+ precursors. **J. Immunol.** 158:2134-2142, 1997.
205. Soares, L.R.B., Rivas, A., Ruegg, C., and **Engleman, E.G.** Differential response of CD4+V7+ and CD4+V7- T cells to T cell receptor-dependent signals: CD4+V7+ T cells are co-stimulation independent and anti-V7 antibody blocks the induction of anergy by bacterial superantigen. **Eur. J. Immunol.** 27:1413-1421, 1997.
206. Soares, L.R.B., Rivas, A., Tsavaler, L., and **Engleman, E.G.** Ligation of the V7 molecule on T cells blocks anergy induction through a CD28-independent mechanism. **J. Immunol.** 159:1115-1124, 1997.
207. Kim, D.T., Mitchell, D.J., Brockstedt, D.G., Fong, L., Nolan, G.P., Fathman, C.G., **Engleman, E.G.**, and Rothbard, J.B. Introduction of soluble proteins into the MHC class I pathway by conjugation to an HIV *tat* peptide. **J. Immunol.** 159:1666-1668, 1997.
208. Fong, L., Ruegg, C.L., Brockstedt, D., **Engleman, E.G.**, and Laus, R. Induction of tissue-specific autoimmune prostatitis with prostatic acid phosphatase immunization. **J. Immunol.** 159:3113-3117, 1997.
209. Hsu, F.J., **Engleman, E.G.**, and Levy, R. Dendritic cells and their application in immunotherapeutic approaches to cancer therapy. In: **Principles and Practice of Oncology Updates**, Vol. 11, No. 5. Lippencott-Raven, Cedar Knolls, NJ, 1997.
210. Rothbard, J., Kim, D., Mitchell, D., Brockstedt, D., Fong, L., Nolan, G., Fathman, C.G., and **Engleman, E.** Transport of immunogens into the MHC class I and II pathways by a peptide from HIV *tat*. In: **HLA and Disease - The Molecular Basis, Alfred Benzon Symposium 40**. Eds. A. Svejgaard, S. Buus, L. Fugger, Munksgaard, Copenhagen, 1997, pp. 161-171.
211. **Engleman, E.G.** Dendritic cells: potential role in cancer therapy. **Cytotechnology** 25:1-8, 1997.

212. Peshwa, M.V., Benike, C., Dupuis, M., Kundu, S.K., **Engleman, E.G.**, Merigan, T.C., and van Schooten, W.C.A. Generation of primary peptide-specific CD8⁺ cytotoxic T-lymphocytes in vitro using allogeneic dendritic cells. **Cell Transplantation** 7:1-9, 1998.
213. Kundu, S.K., **Engleman, E.**, Benike, C., Shapero, M.H., Dupuis, M., van Schooten, W.C.A., Eibl, M., and Merigan, T.C. A pilot clinical trial of HIV antigen-pulsed allogeneic and autologous dendritic cell therapy in HIV-infected patients. **AIDS Res. Hum. Retrovir.** 14:551-560, 1998.
214. Soares, L.R.B., Tsavaler, L., Rivas, A., and **Engleman, E.G.** V7 (CD101) ligation inhibits TCR/CD3-induced IL-2 production by blocking Ca²⁺ flux and nuclear factor of activated T cell nuclear translocation. **J. Immunol.** 161:209-217, 1998.
215. Mohaghehpour, N., Gammon, D., Kawamura, L.M., van Vollenhoven, A., Benike, C.J., and **Engleman, E.G.** CTL response to *Mycobacterium tuberculosis*: Identification of an immunogenic epitope in the 19-kDa lipoprotein. **J. Immunol.** 161:2400-2406, 1998.
216. Hayamizu, K., Zeng, D., Huie, P., Garcia-Ojeda, M.E., Bloch, D.A., Fong, L., **Engleman, E.G.**, Sibley, R.K., and Strober, S. Donor Blood Monocytes but not T or B cells facilitate long-term allograft survival after total lymphoid irradiation. **Transplantation** 66:585-593, 1998.
217. McGrath, M.S., Benike, C., Kuehne, F.-W., and **Engleman, E.** Effect of WF10 (TCDO) on Antigen Presentation. **Transplantation Proceedings** 30:4200-4204, 1998.
218. Jenkins, D.E., Yasukawa, L.L., Benike, C.J., **Engleman, E.G.**, and Arvin, A.M. Isolation and utilization of human dendritic cells from peripheral blood to assay an in vitro primary immune response to varicella-zoster virus peptides. **J. Infect. Dis.** 178(Suppl 1):S39-42, 1998.
219. Reichardt, V.L., Okada, C.Y., Liso, A., Benike, C.J., Stockerl-Goldstein, K.E., **Engleman, E.G.**, Blume, K.G., and Levy, R. Idiotypic vaccination using dendritic cells after autologous peripheral blood stem cell transplantation for multiple myeloma--a feasibility study. **Blood** 93:2411-2419, 1999.
220. Jenkins, D.E., Yasukawa, L.L., Bergen, R., Benike, C., **Engleman, E.G.**, and Arvin, A.M. Comparison of primary sensitization of naïve human T cells to varicella-zoster virus peptides by dendritic cells in vitro with responses elicited in vivo by varicella vaccination. **J. Immunol.** 162:560-567, 1999.
221. Brockstedt, D.G., Podsakoff, G.M., Fong, L., Kurtzman, G., Mueller-Ruchholtz, W., and **Engleman, E.G.** Induction of immunity to antigens expressed by recombinant adeno-associated virus depends on the route of administration. **Clin. Immunol.** 92:67-75, 1999.
222. Kohl, S., Sigouroudinia, M., and **Engleman, E.G.** Adhesion defects of antibody-mediated target cell binding of neonatal natural killer cells. **Pediatr. Res.** 46:755-759, 1999.

223. Strober, S., Benike, C., Krishnaswamy, S., **Engleman, E.G.**, and Grumet, F.C. Clinical transplantation tolerance twelve years after prospective withdrawal of immunosuppressive drugs: studies of chimerism and anti-donor reactivity. **Transplantation** 69:1549-1554, 2000.
224. Merad, M., Fong, L., Bogenberger, J., and **Engleman, E.G.** Differentiation of myeloid dendritic cells into CD8 α -positive dendritic cells in vivo. **Blood** 96:1865-1872, 2000.
225. Traver, D., Akashi, K., Manz, M., Merad, M., Miyamoto, T., **Engleman, E.G.**, and Weissman, I.L. Development of CD8 α -positive dendritic cells from a common myeloid progenitor. **Science** 290:2152-2154, 2000.
226. Shapero, M.H., Kundu, S.K., **Engleman, E.**, Laus, R., Van Schooten, W.C., and Merigan, T.C. In vivo persistence of donor cells following adoptive transfer of allogeneic dendritic cells in HIV-infected patients. **Cell Transplant.** 9:307-317, 2000.
227. Liso, A., Stockerl-Goldstein, K.E., Auffermann-Gretzinger, S., Benike, C.J., Reichardt, V., Van Beckhoven, A., Rajapaksa, R., **Engleman, E.G.**, Blume, K.G., and Levy, R. Idiotype vaccination using dendritic cells after autologous peripheral blood progenitor cell transplantation for multiple myeloma. **Biology of Blood and Marrow Transplantation** 6:621-627, 2000.
228. Fong, L. and **Engleman, E.G.** Dendritic cells in cancer immunotherapy. **Ann. Rev. Immunol.** 18:245-273, 2000.
229. Galel, S.A. and **Engleman, E.G.** Principles of Transfusion Medicine. In: **Hospital Medicine.** Eds. R.M. Wachter, L. Goldman, and H. Hollander. Lippincott Williams & Wilkins, Philadelphia, PA, pp. 727-735, 2000.
230. Fong, L., Brockstedt, D., Benike, C., Wu, L., and **Engleman, E.G.** Dendritic cells injected via different routes induce immunity in cancer patients. **J. Immunol.** 166:4254-4259, 2001.
231. Scappaticci, F.A., Smith, R., Pathak, A., Schloss, D., Lum, B., Cao, Y., Johnson, F., **Engleman, E.G.**, and Nolan, G.P. Combination angiostatin and endostatin gene transfer induces synergistic antiangiogenic activity in vitro and antitumor efficacy in leukemia and solid tumors in mice. **Molecular Therapy** 3:186-196, 2001.
232. Fong, L., Hou, Y., Rivas, A., Benike, C., Yuen, A., Fisher, G.A., Davis, M.M., and **Engleman, E.G.** Altered peptide ligand vaccination with Flt3 ligand expanded dendritic cells for tumor immunotherapy. **Proc. Natl. Acad. Sci. USA** 98:8809-8814, 2001.
233. Fong, L., Brockstedt, D., Benike, C., Breen, J.K., Strang, G., Ruegg, C.L., and **Engleman, E.G.** Dendritic cell based xenoantigen vaccination for prostate cancer immunotherapy. **J. Immunol.** 167:7150-7156, 2001.
234. Davis, T.A., Hsu, F.J., Caspar, C.B., van Beckhoven, A., Czerwinski, D.K., Liles, T.M., Taidi, B., Benike, C.J., **Engleman, E.G.**, and Levy, R. Idiotype vaccination following ABMT can

- stimulate specific anti-idiotypic immune responses in patients with B-cell lymphoma. **Biology of Blood and Marrow Transplantation** 7:517-522, 2001.
235. Manz, M.G., Traver, D., Akashi, K., Merad, M., Miyamoto, T., **Engleman, E.G.**, and Weissman, I.L. Dendritic cell development from common myeloid progenitors. **Ann. NY Acad. Sci.** 938:167-173, 2001.
 236. Merad, M., Sugie, T., **Engleman, E.G.**, and Fong, L. In vivo manipulation of dendritic cells to induce therapeutic immunity. **Blood** 99:1676-1682, 2002.
 237. Timmerman, J.M., Czerwinski, D.K., Davis, T.A., Hsu, F.J., Benike, C., Hao, Z.M., Taidi, B., Rajapaksa, R., Caspar, C.B., Okada, C.Y., van Beckhoven, A., Liles, T.M., **Engleman, E.G.**, and Levy, R. Idiotypic-pulsed dendritic cell vaccination for B-cell lymphoma: clinical and immune responses in 35 patients. **Blood** 99:1517-1526, 2002.
 238. Fong, L., Mengozzi, M., Abbey, N.W., Herndier, B.G., and **Engleman, E.G.** Productive infection of plasmacytoid dendritic cells with human immunodeficiency virus type 1 is triggered by CD40 ligation. **J. Virol.** 76:11033-11041, 2002.
 239. Merad, M., Manz, M.G., Karsunky, H., Wagers, A., Peters, W., Charo, I., Weissman, I.L., Cyster, J.G., and **Engleman, E.G.** Langerhans cells renew in the skin throughout life. **Nature Immunol.** 3:1135-1141, 2002.
 240. Kundu-Raychaudhuri, S.K. and **Engleman, E.G.** Dendritic cells: their role in the immune response to infectious organisms and their potential use in therapeutic vaccination. In: **Immunotherapy for Infectious Diseases.** Ed. J.M. Jacobson. Humana Press, Totowa, NJ, pp. 99-116, 2002.
 241. **Engleman, E.G.** and Fong, L. Induction of immunity to tumor-associated antigens following dendritic cell vaccination of cancer patients. **Clin. Immunol.** 106:10-15, 2003.
 242. **Engleman, E.G.** Dendritic cell-based cancer immunotherapy. **Seminars in Oncology** 30:3(Suppl 8), 2003.
 243. Furumoto, K., Soares, L., **Engleman, E.G.**, and Merad, M. Induction of potent antitumor immunity by in situ targeting of intratumoral dendritic cells. **J. Clin. Invest.** 113:774-783, 2004.
 244. Soares, L., Seroogy, C., Skrenta, H., Anandasabapathy, N., Lovelace, P., Chung, C.D., **Engleman, E.**, and Fathman, C.G. Two isoforms of otubain 1 regulate T cell anergy via GRAIL. **Nature Immunol.** 5:45-54, 2004.
 245. Merad, M., Hoffmann, P., Ranheim, E., Slaymaker, S., Manz, M.G., Lira, S.A., Charo, I., Cooke, D.N., Weissman, I.L., Strober, S., and **Engleman, E.G.** Depletion of host Langerhans cells prior to transplantation of donor alloreactive T cells prevents skin graft versus host disease. **Nature Med.** 10:510-517, 2004.

246. **Engleman, E.G.**, Brody, J., and Soares, L. Using signaling pathways to overcome immune tolerance to tumors. **Science STKE** pe28, 2004.
247. Brody, J.D. and **Engleman, E.G.** DC-based cancer vaccines: lessons from clinical trials. **Cytotherapy** 6:122-127, 2004.
248. Okano, F., Merad, M., Furumoto, K., and **Engleman, E.G.** In vivo manipulation of dendritic cells overcomes tolerance to unmodified tumor-associated self antigens and induces potent anti-tumor immunity. **J. Immunol.** 174:2645-2652, 2005.
249. Karsunky, H., Merad, M., Mende, I., Manz, M.G., **Engleman, E.G.**, and Weissman, I.L. Developmental origin of interferon- α -producing dendritic cells from hematopoietic precursors. **Experimental Hematol.** 33:173-181, 2005.
250. Mende, I. and **Engleman, E.G.** Breaking tolerance to tumors with dendritic cell-based immunotherapy. **Ann. NY Acad. Sci.** 1058:96-104, 2005.
251. Mende, I., Karsunky, H., Weissman, I.L., **Engleman, E.G.**, and Merad, M. Flk2+ myeloid progenitors are the main source of Langerhans cells. **Blood** 107:1383-1390, 2006.
252. Saji, H., Song, W., Furumoto, K., Kato, H., and **Engleman, E.G.** Systemic antitumor effect of intratumoral injection of dendritic cells in combination with local photodynamic therapy. **Clin. Canc. Res.** 12:2568-2574, 2006.
253. Zhang, C. and **Engleman, E.G.** Mechanisms of action of dendritic cell vaccines for the treatment of cancer. **Drug Discovery Today: Disease Mechanisms** 3:213-218, 2006.
254. Standley, S.M., Mende, I., Goh, S.L., Kwon, Y.J., Beaudette, T.T., **Engleman, E.G.**, and Frechet, J.M.J. Incorporation of CpG Oligonucleotide Ligand into Protein-Loaded Particle Vaccines Promotes Antigen-Specific CD8 T-Cell Immunity. **Bioconjugate Chem.** 18:77-83, 2007.
255. Zhang, A.L., Colmenero, P., Purath, U., Teixeira de Matos, C., Hueber, W., Klareskog, L., Tarner, I.H., **Engleman, E.G.**, Soderstrom, K. Natural killer cells trigger differentiation of monocytes into dendritic cells. **Blood** 110:2484-2493, 2007.
256. Fernandez, I., Zeiser, R., Karsunky, H., Kambham, N., Beilhack, A., Soderstrom, K., Negrin, R.S., and **Engleman, E.** CD101 surface expression discriminates potency among murine FoxP3+ regulatory T cells. **J. Immunol.** 179:2808-2814, 2007.
257. Colmenero, P., Zhang, A.L., Qian, T., Lu, L., Cantor, H., Söderström, K., and **Engleman, E.G.** Qa-1^b-dependent modulation of dendritic cell and NK cell cross-talk *in vivo*. **J. Immunol.** 179:4608-4615, 2007.

258. Scandling, J.D., Busque, S., Dejbakhsh-Jones, S., Benike, C., Millan, M.T., Shizuru, J.A., Hoppe, R.T., Lowsky, R., **Engleman, E.G.**, and Strober, S. Tolerance and chimerism after renal and hematopoietic-cell transplantation. **New Engl. J. Med.** 358:362-368, 2008.
259. Bjorck, P., Beilhack, A., Herman, E.I., Negrin, R.S., and **Engleman, E.G.** Plasmacytoid dendritic cells take up opsonized antigen leading to CD4+ and CD8+ T cell activation in vivo. **J. Immunol.** 181:3811-3817, 2008. [PMCID: PMC2884144]
260. Cohen, J., Beaudette, T., Tseng, W., Bachelder, E., **Engleman, E.**, Mende, I., and Frechet, J. T-cell activation by antigen-loaded pH-sensitive hydrogel particles in vivo: the effect of particle size. **Bioconjugate Chem.** 20:111-119, 2009. [PMCID: PMC2640420]
261. Beaudette, T., Bachelder, E., Cohen, J., Obermeyer, A., Broaders, K., Frechet, J., Kang, E., Mende, I., Tseng, W., Davidson, M., and **Engleman, E.** In vivo studies on the effect of co-encapsulation of CpG DNA and antigen in acid-degradable microparticle vaccines. **Molecular Pharmaceutics** 6:1160–1169, 2009. [PMCID: PMC2731711]
262. Winer, S., Chan, Y., Paltser, G., Truong, D., Tsui, H., Bahrami, J., Dorfman, R., Wang, Y., Zielenski, J., Mastronardi, F., Maezawa, Y., Drucker, D., **Engleman, E.**, Winer, D., and Dosch, H.M.. Normalization of obesity-associated insulin resistance through immunotherapy: CD4+ T cells control glucose homeostasis. **Nature Med.** 15:921-929, 2009.
263. Winer, S., Paltser, G., Chan, Y., Tsui, H., **Engleman, E.**, Winer, D., and Dosch, H.M. Obesity predisposes to Th17 bias. **Eur. J. Immunol.** 39:2629-2635, 2009.
264. Beaudette, T.T., Cohen, J.A., Bachelder, E.M., Broaders, K.E., Cohen, J.L., **Engleman, E.G.**, and Frechet, J.M. Chemoselective ligation in the functionalization of polysaccharide-based particles. **J. Am. Chem. Soc.** 131:10360–10361, 2009. [PMCID: PMC2759380]
265. Filatenkov, A., Müller, A.M.S., Tseng, W.W., Dejbakhsh-Jones, S., Winer, D., Luong, R., Shizuru, J.A., **Engleman, E.G.**, and Strober, S. Ineffective vaccination against solid tumors can be enhanced by hematopoietic cell transplantation. **J. Immunol.** 183:7196-7203, 2009. [PMCID: PMC2783632]
266. Merad, M., Collin, M.P., and **Engleman, E.G.** Dendritic cells in hematopoietic cell transplantation. In: **Thomas' Hematopoietic Cell Transplantation: Stem Cell Transplantation**, Fourth Edition. Eds. F.R. Appelbaum, S.J. Forman, R.S. Negrin, K.G. Blume. Wiley-Blackwell, Oxford, UK, pp. 248-63, 2009.
267. Tseng, W.W., Winer, D., Kenkel, J.A., Choi, O., Shain, A.H., Pollack, J.R., French, R., Lowy, A.M., and **Engleman, E.G.** Development of an orthotopic model of invasive pancreatic cancer in an immunocompetent murine host. **Clin. Cancer Res.** 16:3684-3695, 2010. [PMCID: PMC3085509]
268. Söderström, K., Stein, E., Colmenero, P., Purath, U., Müller-Ladner, U., de Matos, C.T., Tarner, I.H., Robinson, W.H., and **Engleman, E.G.** Natural killer cells trigger

- osteoclastogenesis and bone destruction in arthritis. **Proc. Natl. Acad. Sci. USA** 107:13028-13033, 2010 [PMCID: PMC2919936].
269. Wong, M.T., Ye, J.J., Alonso, M.N., Landrigan, A., Cheung, R.K., **Engleman, E.** and Utz, P.J. Regulation of human Th9 differentiation by type I interferons and IL-21. **Immunology and Cell Biology** 88:624-631, 2010. [PMCID: PMC3090036]
270. Björck, P., Leong, H.X., and **Engleman, E.G.** Plasmacytoid dendritic cell dichotomy: identification of interferon- α producing cells as a phenotypically and functionally distinct subset. **J. Immunol.** 186:1477-1485, 2011. [PMCID: PMC3138736]
271. Zhang, B., Lo, C., Shen, L., Sood, R., Jones, C., Cusmano-Ozog, K., Park-Snyder, S., Wong, W., Jeng, M., Cowan, T., **Engleman, E.G.**, and Zehnder, J.L. The role of vanin-1 and oxidative stress-related pathways in distinguishing acute and chronic pediatric ITP. **Blood** 117:4569-4579, 2011.
272. Winer, D.A., Winer, S., Shen, L., Wadia, P.P., Yantha, J., Paltser, G., Tsui, H., Wu, P., Davidson, M.G., Alonso, M.N., Leong, H.X., Glassford, A., Caimol, M., Kenkel, J.A., Tedder, T.F., McLaughlin, T., Miklos, D.B., Dosch, H.M., and **Engleman, E.G.** B cells promote insulin resistance through modulation of T cells and production of pathogenic IgG antibodies. **Nature Med.** 17:610-617, 2011. [PMCID: PMC3270885]
273. Scandling, J.D., Busque, S., Shizuru, J., **Engleman, E.G.** and Strober, S. Induced immune tolerance for kidney transplantation. **New England J. Med.** 365:1359-1360, 2011. [PMCID: PMC3334358]
274. Alonso, M.N., Wong, M.T., Zhang, A.L., Winer, D., Suhoski, M.M., Tolentino, L.L., Gaitan, J., Davidson, M.G., Kung, T.H., Galel, D.M., Nadeau, K.C., Kim, J., Utz, P.J., Soderstrom, K., and **Engleman, E.G.** T_H1, T_H2 and T_H17 cells instruct monocytes to differentiate into specialized dendritic cell subsets. **Blood** 118:3311-3320, 2011. [PMCID: PMC3179399]
275. Scandling, J.D., Busque, S., Dejbakhsh-Jones, S., Benike, C., Sarwal, M., Millan, M.T., Shizuru, J.A., Lowsky, R., **Engleman, E.G.**, and Strober, S. Tolerance and withdrawal of immunosuppressive drugs in patients given kidney and hematopoietic cell transplants. **Am. J. Transplant.** 12:1133-1145, 2012. Epub 2012 Mar 8. [PMCID: PMC3338901]
276. Liu, H.H., Hu, Y., Zheng, M., Suhoski, M.M., **Engleman, E.G.**, Dill, D.L., Hudnall, M., Wang, J., Spolski, R., Leonard, W.J., and Peltz, G. Cd14 SNPs regulate the innate immune response. **Mol. Immunol.** 51:112-127, 2012. Epub 2012 Mar 23. [PMCID: PMC3341513]
277. Junttila, I.S., Creusot, R.J., Moraga, I., Bates, D.L., Wong, M.T., Alonso, M.N., Suhoski, M.M., Lupardus, P., Meier-Schellersheim, M., **Engleman, E.G.**, Utz, P.J., Fathman, C.G., Paul, W.E., and Garcia, K.C. Redirecting cell-type specific cytokine responses with engineered interleukin-4 superkines. **Nature Chem. Bio.** 8:990-998, 2012. Epub 2012 Oct 28. [PMCID: PMC3508151]

278. Winer, D.A., Winer, S., Shen, L., Chng, M.H.Y., and **Engleman, E.G.** B lymphocytes as emerging mediators of insulin resistance. **Int. J. Obesity Suppl.** 2:S4-S7, 2012 [PMCID: PMC4109086]
279. Davidson, M.G., Alonso, M.N., Yuan, R., Axtell, R.C., Kenkel, J.A., Suhoski, M.M., Gonzalez, J.C., Steinman, L., and **Engleman, E.G.** Th17 cells induce Th1-polarizing monocyte-derived dendritic cells. **J. Immunol.** 191:1175-1187, 2013. [PMCID: PMC3954848]
280. Davidson, M.G., Alonso, M.N., Kenkel, J.A., Suhoski, M.M., Gonzalez, J.C., Yuan, R. and **Engleman, E.G.** In vivo T cell activation induces the formation of CD209+ PDL-2+ dendritic cells. **PLOS ONE** 8:1-10, 2013. 8(10): e76258. [PMCID: PMC3788745]
281. Riess, J.W., Bhattacharya, N., Blenman, K.R., Neal, J.W., Hwang, G., Pultar, P., San-Pedro Salcedo, M., **Engleman, E.**, Lee, P.P., Malik, R., and Wakelee, H.A. Immune correlates of talactoferrin alfa in biopsied tumor of relapsed/refractory metastatic non-small cell lung cancer patients. **Immunopharmacol. Immunotoxicol.** 36:182-186, 2014. Epub 2014 Feb 5. [PMID: 24494587]
282. Alonso, M.N., Gregorio, J.G., Davidson, M.G., Gonzalez, J.C., and **Engleman, E.G.** Depletion of inflammatory dendritic cells with anti-CD209 conjugated to saporin toxin. **Immunol. Res.** 58:374-377, 2014. [PMCID: PMC4160227]
283. Shen, L., Zhang, H., Caimol, M., Benike, C.J., Chakravarty, E.F., Strober, S., and **Engleman, E.G.** Invariant natural killer T cells in lupus patients promote IgG and IgG autoantibody production. **Eur. J. Immunol.** 45:612-623, 2015. doi: 10.1002/eji.201444760. Epub 2014 Nov 27. [PMCID: PMC4324163]
284. McLaughlin, T., Liu, L.F., Lamendola, C., Morton, J., Rivas, H., Winer, D., Tolentino, L., Choi, O., Shen, L., and **Engleman, E.** T-cell profile in adipose tissue is associated with insulin resistance and systemic inflammation. **Arterioscler. Thromb. Vasc. Biol.** 34:2637-2643, 2014. Epub 2014 Oct 23. [PMCID: PMC4445971]
285. Filatenkov, A., Baker, J., Müller, A.M., Ahn, G.O., Kohrt, H., Dutt, S., Jensen, K., Dejbakhsh-Jones, S., Negrin, R.S., Shizuru, J.A., **Engleman, E.G.**, and Strober, S. Treatment of 4T1 metastatic breast cancer with combined hypofractionated irradiation and autologous T-cell infusion. **Radiat. Res.** 182:163-169, 2014. Doi: 10.1667/RR13471.1. Epub 2014 Jul 3. [PMCID: PMC4137907]
286. Winer, D.A., Winer, S., Chng, M.H.Y., Shen, L., and **Engleman, E.G.** B lymphocytes in obesity-related adipose tissue inflammation and insulin resistance. **Cell. Mol. Life Sci.** 71:1033-1043, 2014. [PMCID: PMC3954849]
287. Tseng, W.W., Somaiah, N., and **Engleman, E.G.** Potential for immunotherapy in soft tissue sarcoma. **Human Vaccines & Immunotherapeutics**, vol 10, iss 11, pp 3117-3124, 2014. doi: 10.4161/21645515.2014.983003.

288. Shen, L., Chng, M.H.Y., Alonso, M.N., Yuan, R., Winer, D.A., and **Engleman, E.G.** B-1a lymphocytes attenuate insulin resistance. **Diabetes** 64:593-603, 2015. [PMCID: PMC4303967]
289. Segal, E., Prestwood, T.R., Van Der Linden, W., Carmi, Y., Bhattacharya, N., Verdoes, M., **Engleman, E.G.**, and Bogyo, M. Detection of intestinal cancer by local, topical application of a quenched fluorescence probe for cysteine cathepsins. **Chem. Biol.** 22:148-158, 2015. doi: 10.1016/j.chembiol.2014.11.008. Epub 2015 Jan 8. [PMCID: PMC4353655]
290. 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.**, and Strober, S. Chimerism, graft survival, and withdrawal of immunosuppressive drugs in HLA matched and mismatched patients after living donor kidney and hematopoietic cell transplantation. **Am. J. Transplant.** 15:695-704, 2015. [PMID: 25693475]
291. Luck, H., Tsai, S., Chung, J., Clemente-Casares, X., Ghazarian, M., Revelo, X., Lei, H., Luk, C., Shi, S., Surendra, A., Copeland, J., Ahn, J., Prescott, D., Rasmussen, B., Chng, M., **Engleman, E.G.**, Girardin, S., Lam, T.K.T., Croitoru, K., Dunn, S., Philpott, D.J., Guttman, D.S., Woo, M., Winer, S., and Winer, D.A. Regulation of Obesity-related insulin resistance with gut anti-inflammatory agents. **Cell Metabolism** 21:527-542, 2015. [PMID: 25863246]
292. Carmi, Y., Spitzer, M.H., Linde, I.L., Burt, B.M., Prestwood, T.R., Perlman, N., Davidson, M.G., Kenkel, J.A., Segal, E., Pusapati, G.V., Bhattacharya, N., and **Engleman, E.G.** Allogeneic IgG combined with dendritic cell stimuli induces anti-tumor T cell immunity. **Nature** 521:99-104, 2015; (doi:10.1038/nature14424, published online 29 April 2015). [PMCID: PMC4877172]
293. Liu, L.F., Kodama, K., Wei, K., Tolentino, L.L., Choi, O., **Engleman, E.G.**, Butte, A.J., and McLaughlin, T. The receptor CD44 is associated with insulin resistance, adipose tissue inflammation, and macrophage activation in obese humans. **Diabetologia** 58:1579-1586, 2015. doi: 10.1007/s00125-015-3603-y. Epub 2015 May 9. [PMID: 25952479]
294. Filatenkov, A., Baker, J., Mueller, A.M.S., Kenkel, J., Ahn, G., Dutt, S., Zhang, N., Kohrt, H., Jensen, K., Dejbakhsh-Jones, S., Shizuru, J.A., Negrin, R.N., **Engleman, E.G.**, and Strober, S. Ablative tumor radiation can change the tumor immune cell microenvironment to induce durable complete remissions. **Clin. Cancer Res.** 21:3727-3729, 2015. doi: 10.1158/1078-0432.CCR-14-2824. Epub 2015 Apr 13. [PMCID: PMC4537844]
295. Spitzer, M.H., Gherardini, P.F., Fragiadakis, G.K., Bhattacharya, N., Yuan, R.T., Hotson, A.N., Finck, R., Carmi, Y., Zunder, E.R., Fantl, W.J., Bendall, S.C., **Engleman, E.G.***, and Nolan, G.P.* An interactive reference framework for modeling a dynamic immune system. **Science** 349(6244):1259425, 2015. doi: 10.1126/science.1259425. *co-senior authors [PMCID: PMC4537647]

296. Padda, S.K., Narayan, R., Burt, B.M., and **Engleman, E.G.** Tumor Immunology. In: **Encyclopedia of Molecular Cell Biology and Molecular Medicine**. Vol 1, No 2, pp 244-299. Wiley-Blackwell. 2015.
297. Carmi, Y. and **Engleman, E.G.** Tumor-binding antibodies and tumor immunity. **Oncotarget**, Vol. 6, No. 34, pp 35129-35130, 2015.
298. Carmi, Y., Prestwood, T., and **Engleman, E.G.** Tumor-binding antibodies induce potent dendritic cell-mediated tumor immunity. **OncoImmunology**, DOI:10.1080/2162402X.2015.1078063, published online 27 Aug 2015.
299. Moraga, I., Richter, D., Wilmes, S., Winkelmann, H., Jude, K., Thomas, C., Suhoski, M.M., **Engleman, E.G.**, Piehler, J., and Garcia, K.C. Instructive roles for cytokine-receptor binding parameters in determining signaling and functional potency. **Sci Signal**. 8(402):ra114, 2015. [PMCID: PMC5568809]
300. Roedder, S., Li, L., Alonso, M.N., Hsieh, S.C., Vu, M.T., Dai, H., Sigdel, T.K., Bostock, I., Macedo, C., Metes, D., Zeevi, A., Shapiro, R., Salvatierra, O., Scandling, J., Alberu, J., **Engleman, E.**, Sarwal, M.M. A three-gene assay for monitoring immune quiescence in kidney transplantation. **J Am Soc Nephrol**. 26:2042-53, 2015. [PMCID: PMC4520154]
301. Revelo, X.S., Ghazarian, M., Chng, M.H., Luck, H., Kim, J.H., Zeng, K., Shi, S.Y., Tsai, S., Lei, H., Kenkel, J., Liu, C.L., Tangsombatvisit, S., Tsui, H., Sima, C., Xiao, C., Shen, L., Li, X., Jin, T., Lewis, G.F., Woo, M., Utz, P.J., Glogauer, M., **Engleman, E.**, Winer, S., and Winer, D.A. Nucleic acid-targeting pathways promote inflammation in obesity-related insulin resistance. **Cell Reports** 16:717-730, 2016. doi: 10.1016/j.celrep.2016.06.024. Epub 2016 Jun 30. [PMID: 27373163]
302. Tseng, W.W., Chopra, S., **Engleman, E.G.**, and Pollock, R.E. Hypothesis: The intratumoral immune response against a cancer progenitor cell impacts the development of well-differentiated versus dedifferentiated disease in liposarcoma. **Frontiers in Oncology** 6:134, 2016. [PMCID: PMC4901033]
303. Bhattacharya, N., Yuan, R., Prestwood, T.R., Penny, H.L., DiMaio, M.A., Reticker-Flynn, N.E., Krois, C.R., Kenkel, J.A., Pham, T.D., Carmi, Y., Tolentino, L., Choi, O., Hulett, R., Wang, J., Winer, D., Napoli, J.L., and **Engleman, E.G.** Normalizing microbiota-induced retinoic acid deficiency stimulates protective CD8⁺ T-cell-mediated immunity in colorectal cancer. **Immunity** 45:641-655, 2016. Epub 2016 Aug 30. [PMCID: PMC5132405]
304. Carmi, Y., Prestwood, T.R., Spitzer, M.H., Linde, I.L., Chabon, J., Reticker-Flynn, N.E., Bhattacharya, N., Zhang, H., Zhang, X., Basto, P.A., Burt, B.M., Alonso, M.N., and **Engleman, E.G.** Akt and SHP-1 are dendritic cell-intrinsic checkpoints for tumor immunity. **JCI Insight** Nov 3;1(18):e89020, 2016. Published online 2016 Nov 3. doi: 10.1172/jci.insight.89020 [PMCID: PMC5085602]
305. Penny, H.L., Prestwood, T.R., Bhattacharya, N., Sun, F., Kenkel, J.A., Davidson, M.G., Shen, L., Zuniga, L.A., Seeley, E.S., Pai, R., Choi, O., Tolentino, L., Wang, J., Napoli, J.L., and

- Engleman, E.G.** Restoring retinoic acid attenuates intestinal inflammation and tumorigenesis in APC^{Min/+} mice. **Cancer Immunol Research** 4:917-926, 2016. Epub 2016 Sep 16.2016. [PMCID: PMC5378314]
306. Merad, M. and **Engleman, E.G.** Dendritic cells in hematopoietic cell transplantation In: **Thomas' Hematopoietic Cell Transplantation, Fifth Edition**. Eds. S.J. Forman, R.S. Negrin, J.H. Antin, F.R. Appelbaum. Wiley-Blackwell, Oxford, UK, pp 178-190, 2016.
307. Wang, D.H., Lee, H.S., Yoon, D., Berry, G., Wheeler, T.M., Sugarbaker, D.J., Kheradmand, F., **Engleman, E.G.**, and Burt, B.M. Progression of EGFR-mutant lung adenocarcinoma is driven by alveolar macrophages. **Clin. Cancer Res.** 23:778-788, 2017. Epub 2016 Aug 5. [PMID: 27496865]
308. McLaughlin, T., Ackerman, S.E., Shen, L., and **Engleman, E.** Role of innate and adaptive immunity in obesity-associated metabolic disease. **J. Clin. Invest.** 127:5-13, 2017. Epub 2017 Jan 3. [PMCID: PMC5199693]
309. Spitzer, M.H., Carmi, Y., Reticker-Flynn, N.E., Kwek, S.S., Madhireddy, D., Martins, M.M., Gherardini, P.F., Prestwood, T.R., Chabon, J., Bendall, S.C., Fong, L., Nolan, G.P., and **Engleman, E.G.** Systemic immunity is required for effective cancer immunotherapy. **Cell** 168:487-502.e15, 2017. doi: 10.1016/j.cell.2016.12.022. Epub 2017 Jan 19. [PMCID: PMC5312823]
310. Zhang, H., Gregorio, J.D., Iwahori, T., Zhang, X., Choi, O., Tolentino, L.L., Prestwood, T., Carmi, Y., and **Engleman, E.G.** A distinct subset of plasmacytoid dendritic cells induces activation and differentiation of B and T lymphocytes. **Proc. Natl. Acad. Sci. USA** 114:1988-1993, 2017. Published ahead of print February 6, 2017, doi:10.1073/pnas.1610630114. [PMCID: PMC5338447]
311. Liu, L.F., Craig, C.M., Tolentino, L.L., Choi, O., Morton, J., Rivas, H., Cushman, S.W., **Engleman, E.G.**, and McLaughlin, T. Adipose tissue macrophages impair preadipocyte differentiation in humans. **PLOS ONE** 2017 Feb 2;12(2):e0170728. doi: 10.1371/journal.pone.0170728. eCollection 2017. [PMCID: PMC5289462]
312. Kenkel, J.A., Tseng, W.W., Davidson, M.G., Tolentino, L.L., Choi, O., Bhattacharya, N., Seeley, E.S., Winer, D.A., Reticker-Flynn, N.E., and **Engleman, E.G.** An immunosuppressive dendritic cell subset accumulates at secondary sites and promotes metastasis in pancreatic cancer. **Cancer Res.** 77:4158-4170, 2017. [PMCID: PMC5550516]
313. Hongo, D., Tang, X., Zhang, X., **Engleman, E.G.**, and Strober, S. Tolerogenic interactions between CD8+ dendritic cells and NKT cells prevent rejection of bone marrow and organ grafts. **Blood** 129:1718-1728, 2017.
314. Ghazarian, M., Revelo, X.S., Nøhr, M.K., Luck, H., Zeng, K., Lei, H., Tsai, S., Schroer, S.A., Park, Y.J., Chng, M.H.Y., Shen, L., D'Angelo, J.A., Horton, P., Chapman, W.C., Brockmeier, D., Woo, M., **Engleman, E.G.**, Adeyi, O., Hirano, N., Jin, T., Gehring, A.J., Winer, S., and

- Winer, D.A. Type I Interferon Responses Drive Intrahepatic T cells to Promote Metabolic Syndrome. **Sci Immunol.** 2017 Apr 21;2(10). pii: eaai7616. doi: 10.1126/sciimmunol.aai7616. [PMCID: PMC5447456]
315. Pham, T.D., Chng, M.H.Y., Roskin, K.M., Jackson, K.J.L., Nguyen, K.D., Glanville, J., Lee, J.Y., **Engleman, E.G.**, and Boyd, S.D. High-fat diet induces systemic B-cell repertoire changes associated with insulin resistance. **Mucosal Immunol.** 10:1468-1479, 2017. [PMID: 28422186]
316. Alcantara-Hernandez, M. Leylek, R., Wagar, L.E., **Engleman, E.G.**, Keler, T., Marinkovich, M.P., Davis, M.M., Nolan, G.P., and Idoyaga, J. High-dimensional phenotypic mapping of human dendritic cells reveals interindividual variation and tissue specialization. **Immunity** 47:1037-1050, 2017. [PMCID: PMC5738280]
317. Sun, W., Nguyen, K.D., Fitch, W.L., Banister, S.D., Tang, H., Zhang, X., Yu, L., **Engleman, E.G.**, and Rajadas, J. In vitro and in vivo metabolite identification of a novel benzimidazole compound ZLN005 by liquid chromatography/tandem mass spectrometry. **Rapid Commun. Mass Spectrom.** 32:480-488, 2018. [PMID: 29334584]
318. Scandling, J.D., Busque, S., Lowsky, R., Shizuru, J., Shori, A., **Engleman, E.**, Jensen, K., and Strober, S. Macrochimerism and clinical transplant tolerance. **Human Immunology** 79:266-271, 2018. [PMCID: PMC5924711]
319. Santana-Magal, N., Rasoulouniriana, D., Saperia, C., Gutwillig, A., Rider, P., **Engleman, E.G.**, and Carmi, Y. Isolation protocol of mouse monocyte-derived dendritic cells and their subsequent in vitro activation with tumor immune complexes. **Journal of Visualized Experiments** 135:e57188, doi:10.3791/57188, 2018. [PMCID: PMC6101436]
320. Vallania, F., Tam, A., Lofgren, S., Schaffert, S., Azad, T.D., Bongen, E., Haynes, W., Alsup, M., Alonso, M., Davis, M., **Engleman, E.**, and Khatri, P. Leveraging heterogeneity across multiple data sets increases accuracy of cell-mixture deconvolution and reduces biological and technical biases. **Nature Commun.** 9:4735, 2018. doi: 10.1038/s41467-018-07242-6.2018. [PMCID: PMC6226523]
321. Foskett, G.K., **Engleman, E.**, Klotz, J., Choi, O., Tolentino, L., Kochhar, A., Yang, Q.Z., and Stevenson, D.A. Use of flow cytometry for diagnosis of epilepsy associated with homozygous PIGW variants. **Pediatr Neurol** 85:67-70, 2018. [PMID: 30078644]
322. Zhou, M.N., Delaveris, C.S., Kramer, J.R., Kenkel, J.A., **Engleman, E.G.**, and Bertozzi, C.R. N-carboxyanhydride polymerization of glycopolypeptides that activate antigen-presenting cells through Decti-1 and Dectin-2. **Angew Chem Int Ed Engl.** 57:3137-3142, 2018. [PMCID: PMC5842139]
323. Abbruzzese, J.L., Andersen, D.K., Borrebaeck, C.A.K., Chari, S.T., Costello, E., Cruz-Monserrate, Z., Eibl, G., **Engleman, E.G.**, Fisher, W.E., Habtezion, A., Kim, S.K., Korc, M., Logsdon, C., Lyssiotis, C.A., Pandol, S.J., Rustgi, A., Wolfe, B.M., Zheng, L., and Powers,

- A.C. The interface of pancreatic cancer with diabetes, obesity, and inflammation: research gaps and opportunities: summary of a National Institute of Diabetes and Digestive and Kidney Diseases Workshop. **Pancreas** 47:516-525, 2018. [PMCID: PMC6361376]
324. Tsai, S., Clemente-Casares, X., Zhou, A.C., Lei, H., Ahn, J.J., Chan, Y.T., Choi, O., Luck, H., Woo, M., Dunn, S.E., **Engleman, E.G.**, Watts, T.H., Winer, S, and Winer, D.A. Insulin receptor-mediated stimulation boosts T cell immunity during inflammation and infection. **Cell Metab.** 28:922-934, 2018. [PMID: 30174303]
325. Dutt, S., Atallah, M.B., Minamida, Y., Filatenkov, A., Jensen, K.P., Iliopoulou, B.P., Tamosiuniene, R., Waters, J., **Engleman, E.G.**, and Strober, S. Accelerated, but not conventional, radiotherapy of murine B-cell lymphoma induces potent T cell-mediated remissions. **Blood Adv.** 2:2568-2580, 2018. [PMCID: PMC6177643]
326. Reticker-Flynn, N.E. and **Engleman, E.G.** A gut punch fights cancer and infection. **Nature** 565:573-574, 2019. [PMID: 30683936]
327. Mendoza, J.L., Escalante, N.K., Jude, K.M., Sotolongo Bellon, J., Su, L., Horton, T.M., Tsutsumi, N., Berardinelli, S.J., Haltiwanger, R.S., Piehler, J., **Engleman, E.G.**, and Garcia, K.C. Structure of the IFN- γ receptor complex guides design of biased agonists. **Nature** 567:56-60, 2019. [PMID: 30814731]
328. Yun, J.W., Lee, S., Kim, H.M., Chun, S., **Engleman, E.G.**, Kim, H.C., and Kang, E. A novel type of blood biomarker: distinct changes of cytokine-induced STAT phosphorylation in blood T cells between colorectal cancer patients and healthy individuals. **Cancers** 11:1157, 2019.