

# Susan E. Alters, Ph.D.

## Patents and Publications

### Patents

Pending/Targesome: Two patent applications that relate to development of targeted anti-angiogenesis therapy for cancer.

US Patent # 6,753,135: "Biological Markers for Evaluating Therapeutic Treatment of Inflammatory and Autoimmune Disorders". (Assigned to SurroMed.)

### Publications

Alshad S. Lalani, **Susan E. Alters**, Alvin Wong, Mark R. Albertella, Jeffrey L. Cleland, and W.D. Henner, 2007 "Selective Tumor Targeting by the Hypoxia Activated Prodrug, AQ4N, blocks Tumor Growth and Metastasis in Preclinical Models of Pancreatic Cancer." Clin Cancer Res. 13: 2216.

Charles A. Wartchow, **Susan E. Alters**, Lingyun Li, Tina Doede, Susan J. Knox and Jeffrey L. Cleland, 2004 "Enhancement of the efficacy of an antagonist of an extracellular receptor by attachment to the surface of a biocompatible carrier." Pharm Res. 21:1880.

Aaron B. Kantor, **Susan E. Alters**, Karen Cheal and Louis Dietz, 2004 "Immune Systems Biology: Immunoprofiling of Cells and Molecules." BioTechniques, 36: 520.

**Susan E. Alters**, Pedro Avila, Harini Govindarajan, Jun Deng, Homer Boushey and Aaron B. Kantor, 2002 "Phenotypic Profiling of Blood and Airway Secretions in Asthmatic and Healthy Subjects." J. Allergy Clin. Immunol. 109, S340

**Susan E. Alters**, Andrea Perrone, Karen Cheal and Aaron B. Kantor, 2001 "Identification of biomarkers in allergy and asthma: effects of glucocorticosteroids on cell surface and soluble factors." J. Allergy Clin. Immunol. 107, S164.

Ramila Philip, **Susan E. Alters**, Elisa Brunette, Jean Ashton, Jose R. Gadea, Jane Lebkowski and Mohan Philip, 2000 "Dendritic cells loaded with MART-1 peptide or infected with adenoviral construct are functionally equivalent in the induction of tumor specific CTL responses in patients with melanoma." J. Immunotherapy 1:168.

**Susan E. Alters**, Jose R. Gadea, Jane Lebkowski and Ramila Philip, 1999 "IL13 Can Substitute for IL4 in the Generation of Dendritic Cells for Induction of CTL and Gene Therapy", J. Immunotherapy 22:229.

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**Susan E. Alters**, Jose R. Gadea, Gerard O'Donoghue, Martin Sorich, Sohel Talib and Ramila Philip, 1998 "Dendritic Cell Induced Generation of CEA Peptide Specific CTL: Correlation of TcR Repertoire with CTL Function and Phenotype", J. Immunotherapy 21:17.

**Susan E. Alters**, Jose R. Gadea and Ramila Philip, 1997, "Immunotherapy of Cancer: Generation of CEA Specific CTL Using CEA Peptide Pulsed Dendritic Cells", Adv. Exp. Med. Biol. 417:519.

Ananda W. Goldrath, Karen E. Chen, Leann Barber and **Susan E. Alters**, 1995, "Differences in Adhesion Markers, Activation Markers and TcR in Islet Infiltrating vs. Peripheral Lymphocytes in the NOD Mouse", J. Autoimmunity 8:209.

Ananada W. Goldrath, Karen E. Chen, Lamont G. Weide, Parvis M. Pour, Jane S. Lebkowski and **Susan E. Alters**, 1995. "Retention of Endocrine Function in the SCID-Hu Pancreas Mouse: A Model for the Development of Human Fetal Islet Tissue", *Transplantation* 59:1496.

**Susan E. Alters**, Howard K. Song and C. Garrison Fathman, 1993. "Evidence That Clonal Anergy Is Induced In Thymic Migrant Cells After Anti-CD4 Mediated Transplantation Tolerance." *Transplantation* 56:633.

Howard K. Song, **Susan E. Alters** and C. Garrison Fathman, 1993. "Evidence that Anti-CD8 Abrogates Anti-CD4 Mediated Clonal Anergy but Allows Allograft Survival in Mice." *Transplantation* 55:133.

Lawrence Steinman, William Lindsey, **Susan Alters** and Suzanne Hodgkinson, 1993 "Anti-CD4 Therapy: From Treatment of Experimental Allergic Encephalomyelitis to Clinical Trials in Multiple Sclerosis", *Immunol. Ser.* 59:253.

Judy Shizuru, **Susan E. Alters** and C. Garrison Fathman, 1992. "Anti-CD4 Monoclonal Antibodies in Therapy: Creation of Nonclassical Tolerance in the Adult", *Immunol. Rev.* 129:105.

**Susan E. Alters**, Davida Grossman and C. Fathman, 1992. "Anti-CD4 Mediated Transplantation Tolerance: Mechanisms and Memory." *A Critical Analysis of Monoclonal Antibody Therapy in Transplantation*, W. J. Burlingham ed, p.79-99.

**Susan E. Alters**, Judy Shizuru, Jill Ackerman, Davida Grossman, Karl Seydel and C. G. Fathman, 1991. "Anti-CD4 Mediates Clonal Anergy During Transplantation Tolerance Induction", *Journal of Experimental Medicine* 173:491.

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**Susan E. Alters**, "Comparison of Rat and Rat-Mouse Chimeric Anti-Murine CD4 Antibodies for Use in Immunotherapy." Doctoral thesis, Stanford University, 1989.

**Susan E. Alters**, Lawrence Steinman and Vernon T. Oi, 1989. "Comparison of Rat and Rat-Mouse Chimeric Anti-Murine CD4 Antibodies In Vitro: Chimeric Antibodies Lyse Low Density CD4+ Cells", *Journal of Immunology*, 142:2018.