

STEPHEN G. EMERSON, M.D., Ph.D.

Lectures by Invitation (past 4 years):

January 29, 2003, "Dendritic Cells Regulate T Cell Tissue Recruitment & Retention in GVHD." ASBMT, Keystone, CO.

February 12, 2004, "Genes that Control Stem Cell Proliferation and Expansion." ASBMT Plenary Session, Orlando, FL.

February 15, 2004, "Memory Cells Contribute to Ongoing GVHD in vivo." ASBMT, Orlando, FL.

May 7, 2004, "NF-Y Integrates Stem Cell Gene Activation." 2nd Shanghai Medical School, 10th Plenary Presentation, International Differentiation Cell Therapy Conference, Shanghai, China.

May 9, 2004, "The Control of Hematopoietic Stem Cell Proliferation," Visiting Professor, Institute of Hematology, Souzou University, Souzou, China.

December 4,5, 2004, "Expansion of Umbilical Cord Blood Cells: Basic Science and Clinical Translation," American Society for Hematology National Meeting, San Diego, CA.

December 6, 2004, "Osteoblasts Support B Lymphopoiesis," American Society for Hematology National Meeting, San Diego, CA.

February 2, 2005, "NF-Y, "Osteoblasts, and the Integration of Stem Cell Self-Renewal," Roger Williams Medical Center, Providence, RI.

March 1, 2005, "Stem Cells, Memory Cells and Memory Stem Cells," Skirball Institute, New York University School of Medicine, New York, NY.

May 2, 2005, "Integration of Stem Cell Signals by NF-Y," Six Annual International Workshop on Molecular Aspects of Myeloid Differentiation and Leukemia, Annapolis, MD.

June 1, 2005, "NF-Y and Stem Cell Activation," Fels Institute, Temple University Medical Center, Philadelphia, PA.

June 16, 2005, "Memory Stem Cells and GVHD," European Bone Marrow Transplant Society, Sesimbra, Portugal.

January 12, 2006, "Osteoblasts, B Cells, and Stem Cells," Aastrom Biosciences, Ann Arbor, MI.

January 31, 2006, "Host APCs, Memory Stem Cells and CD4 Help in the Induction and Evolution of GVHD," M.D. Anderson Cancer Institute, Houston, Texas.

March 25, 2006, "Memory Stem Cells and Chronic Immune Responses," French Society of Hematology, Paris, Francis.

May 18, 2006, "Stem Cells and Memory T Cell Subsets," Memorial Sloan Kettering Cancer Institute, New York, N.Y.

August 29, 2006, "The Cellular Cascade of GVHD," Jiao-Tong University, Shanghai, China

August 30, 2006, Bai-Yu-Lan Prize Lecture, Fudan University, Shanghai, China

September 30, 2006, Ocala Royal Dames Visiting Prize Lectureship, University of Florida, Gainesville, FL

October 12, 2006, "Cellular Determinants of GVHD," Dana Farber Cancer Institute, Harvard Medical School, Boston, MA.

January 25, 2007. "NF- κ B and Stem Cell Renewal." Yale University, New Haven, CT.

May 25, 2007, "Stem Cell and the Immune Response." Northwestern University School of Medicine, Chicago, IL.

October 3, 2007, "The Stem Cell Revolution in Biology and Medicine," American Clinical and Climatological Association, Tucson, AR.

January 11, 2008, "From Dendritic Exosomes to Memory Stem Cells," Selma and Karl Folkers Lecture, M.D.-Ph.D. retreat, Yale University, Westbrook, CT.

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Research Publications, peer reviewed:

1. Emerson, S.G., Cone, R.E.: Turnover and shedding of Ia antigens by murine spleen cells in culture. *J Immunol* 122:892-897, 1979.
2. Emerson, S.G., Reilly, P., Cone, R.E.: Differential radiolabelling of lymphocyte membrane alloantigens and immunoglobulins: Variation of H₂O₂ concentration during lactoperoxidase catalyzed cell surface radiodination. *J Immunogen* 6:87-92, 1979.
3. Emerson, S.G., Cone, R.E.: Differential effects of colchicine and cytochalasins on the shedding of murine B cell membrane IgM and IgD. *Proc Natl Acad Sci USA* 76:6582-6586, 1979.
4. Emerson, S.G.: The turnover and shedding of cell membrane proteins by murine spleen cells in culture. Yale University, Doctoral Dissertation, 1980.
5. Emerson, S.G., Murphy, D.B., Cone, R.E.: Ia antigen turnover. II. The kinetics of biosynthesis and release of Ia alpha and beta chains by murine spleen cells in culture. *J Immunol* 125:406-410, 1980.
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8. Emerson, S.G., Cone, R.E.: The selective control of murine B lymphocyte plasma membrane protein turnover and shedding. *J Cell Physiol* 109:25-35, 1981.

9. Emerson, S.G., Cone, R.E.: Absorption of shed I-A^K and H-2K^K antigens by lymphoid cells. *Transplantation* 33:36-40, 1982.
10. Emerson, S.G., Pretell, J., Cone, R.E.: Physical and pharmacologic inhibition of the shedding of Ia antigens. *Exp Clin Immunogen* 1:9-19, 1984.
11. Rosenthal, D.S., Emerson, S.G., Rapoport, J.M., Moloney, W.C.M., Handin, R.I.: Long term survivors of adult acute non-lymphocytic leukemia: Fact or fiction. *Hematology and Blood Transfusion* 29:44-47, 1985.
12. Emerson, S.G., Sieff, C.A., Wang, E.A., Wong, G.G., Clark, S.C., Nathan, D.G.: Purification of fetal hematopoietic progenitors and demonstration of recombinant colony stimulating activity. *J Clin Invest* 76:1286-1290, 1985.
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14. Donahue, R.E., Emerson, S.G., Wang, E.A., Wong, G.G., Clark, S.C., Nathan, D.G.: Demonstration of burst promoting activity of recombinant human GM-CSF on circulating erythroid progenitors using an assay involving the delayed addition of erythropoietin. *Blood* 66:1479-1481, 1985.
15. Emerson, S.G.: Isolation of Erythroid and Myeloid Progenitors from Human Fetal Liver. *Prog Clin Biol Res* 193:135-148, 1985.
16. Rosenthal, D.S., Emerson S.G., Rapoport, J.M., Moloney, W.C., Handin, R.I.: Long-term survivors of adult acute nonlymphocytic leukemia: fact or fiction? *Hematol Bluttransfus* 29:44-7, 1985.
17. Sieff, C.A., Emerson, S.G., Mufson, A., Gesner, T.G., Nathan, D.G.: The dependence of highly enriched bone marrow progenitors on hematopoietic growth factors and their response to recombinant erythropoietin. *J Clin Invest* 77:74-81, 1986.
18. Antin, J.H., Emerson, S.G., Ault, K.A.: Leu-1 B cells are the predominant B cell phenotype in human fetal liver: Morphologic and functional analysis. *J Immunol* 136:505-510, 1986.
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