

## CURRICULUM VITAE

### Part 1 General Information

**Date Prepared:** November 15, 2007

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**Home Address:** -----(b)(6)-----  
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**Place of Birth:** -----(b)(6)-----.

**Citizenship:** ----(b)(6)----

**Marital Status:** -----(b)(6)-----

**Children:** -----(b)(6)-----

### Education:

--(b)(6)--- B.S. Cornell University  
1996 M.D. Duke University  
1995 Ph.D. Duke University, Microbiology and Immunology

### Post Doctoral Training:

07/1996-06/1999 Residency, Internal Medicine  
Brigham & Women's Hospital, Boston, MA  
07/1999-06/2001 Fellowship, Infectious Disease  
Brigham & Women's Hospital and  
Massachusetts General Hospital

### Licensure and Certification:

07/1999 Commonwealth of Massachusetts Board of Registration in Medicine.  
08/1999 American Board of Internal Medicine, Board Certified.  
12/2005 American Board of Internal Medicine, Board Certified in Infectious Diseases.

**Academic Appointments:**

07/2001-10/2002 Research Fellow in Medicine, Harvard Medical School  
10/2002-present Instructor in Medicine, Harvard Medical School

**Hospital or Affiliated Institution Appointments:**

07/2001-03/2004 Graduate Assistant in medicine, Massachusetts General Hospital  
03/2004-12/2005 Consultant in Medicine, Massachusetts General Hospital  
02/2006-present Clinical Assistant in Medicine, Massachusetts General Hospital

**Other Professional Positions and Major Visiting Appointments:**

Member of ad hoc FDA panel to advise on accelerated approval of anti-retroviral drugs, September, 1994.

Member of ad hoc FDA panel to advise on the potential contamination of the blood supply with the causative agent of Creutzfeld-Jakob disease, June, 1995.

Member of Forum for Collaborative HIV Research Roundtable on CCR5 Antagonist Development, November 2005 – present.

Consultant to FDA Transmissible Spongiform Encephalopathies Advisory Committee, September, 2006 – present.

**Professional Societies:**

2006-present Infectious Diseases Society of America  
1997-present Massachusetts Medical Society

**Community Service Related to Professional Work:**

1994-present Committee of Ten Thousand.  
1994 - present. Board of Directors – Committee of Ten Thousand  
Chair of Treatment Issues Committee, a committee designed to formulate COTT policy regarding HIV and hemophilia therapies as well as a forum for discussion on the safety of the blood supply. Led discussions on topics of particular personal interest. Participated in additional COTT activities including attending Blood Products Advisory Committee meetings in order to voice concerns about the safety of the blood supply. Wrote articles about HIV and hemophilia treatment issues for The Common Factor, COTT's quarterly publication.



2. Colvin RA, Garcia-Blanco MA. The unusual structure of the HIV-1 TAR RNA element. *Jour of Virology* 1992;66:930-935
3. Hoffman DW, **Colvin RA**, Garcia-Blanco MA, White SW. Structural features of the Trans-Activation Response RNA element of equine infectious anemia virus. *Biochemistry* 1993;32:1096-1104
4. **Colvin RA**, White SW, Garcia-Blanco MA, Hoffman DW. Structural feature of an RNA containing the CUGGGA loop of the human immunodeficiency virus Type 1 Trans-Activation Response Element. *Biochemistry* 1993;32:1105-1112
5. Samuels ME, Bopp D, **Colvin RA**, Roscigno R, Garcia-Blanco MA, Schedl P. Sx1 proteins bind to poly (U)-containing RNA sequences *in vitro* and *in vivo*. *Molecular and Cellular Biology* 1994;14:4975-4990
6. Bohjanen PR, **Colvin RA**, Puttaraju M, Been MD, Garcia-Blanco MA. A small circular TAR RNA decoy specifically inhibits Tat-activated HIV-1 transcription. *Nucleic Acids Res* 1997;24:3733-3738
7. Meyer M, Hensbergen PJ, van der Raaij-Helmer EMH, Brandacher G, Margreiter R, Heurfler C, Koch F, Narumi S, Werner ER, **Colvin RA**, Luster AD, Tensen CP, Werner-Felmayer G. Cross reactivity of three T-cell attracting murine chemokines stimulating the CXC chemokine receptor CXCR3 and their induction in cultured cells and during allograft rejection. *Euro Jour of Immun* 2001;8:2521-7
8. Sauty A, **Colvin RA**, Wagner L, Rochat R, Spertini F, Luster AD. CXCR3 internalization following endothelial cell contact: preferential role of I-TAC. *Jour of Immun* 2001;167:7084-93
9. Swaminathan, GJ, Holloway, DE, **Colvin, RA**, Campanella, GK, Papageorgiou, AC, Luster, AD, and Acharya, KR. 2003. Crystal structures of oligomeric forms of the IP-10/CXCL10 chemokine. *Structure*. 11:521-532.
10. **Colvin, RA**, Campanella, GSK, and Luster, AD. 2004. Intracellular domains of CXCR3 that mediate CXCL9, CXCL10, and CXCL11 function. *J Biol Chem*. 16:30219-30227.
11. **Colvin, RA**, Campanella, GSK, Manice, LA, and Luster, AD. 2006. CXCR3 requires tyrosine sulfation for ligand binding and a second extracellular loop arginine residue for ligand-induced chemotaxis. *Mol Cell Bio*. 26:5838-5849.
12. Yuan Q, Campanella GSK, **Colvin RA**, Hamilos DL, Jones KJ, Mathew A, Means TK, and Luster AD. 2006. Membrane-bound eotaxin-3 mediates eosinophil transepithelial migration in IL-4 stimulated epithelial cells. *European Journal of Immunology*. 36:2700-2714.
13. Taqueti VR, Grabie N, **Colvin RA**, Pang H, Jarolim P, Luster A, Glimcher L, and Lichtman AH. 2006. T-bet controls pathogenicity of cytotoxic T lymphocytes in the heart by separable effects on migration and effector activity. *Jour of Immunol*. 177:5890-5891.

14. Campanella GS, Grimm J, Manice LA, **Colvin RA**, Medoff BD, Wojtkiewicz GR, Weissleder R, Luster AD. 2006. Oligomerization of IP-10 is necessary for endothelial cell presentation and *in vivo* activity. *J. Immunol.* 177:6991-6998.
15. Thompson BD, Jin Y, Wu KH, **Colvin RA**, Luster AD, Birnbaumer L, and Wu MX. 2007. Inhibition of Gai2 activation by Gai3 in CXCR3-mediated signaling. *J Biol Chem* 242:9547-9555.
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**Chapters**

1. Colvin RA. "AIDS and the Internet" in *AIDS Therapy*, Second Edition. 2003. Dolin R, Saag M editors.
2. Colvin RA. "AIDS and the Internet" in *AIDS Therapy*, Third Edition. 2007. Dolin R, Saag, M editors.

**Presentations**

Colvin, R.A. & Garcia-Blanco, M.A. Chemical footprinting on the HIV-1 Tat protein on TAR. RNA Tumor Viruses, Cold Spring Harbor 1991.

Colvin, R.A.; White, S.W.; Garcia-Blanco, M.A.; & Hoffman, D.W. Structure of the RNA loop of the HIV-1 TAR element. RNA Tumor Viruses, Cold Spring Harbor 1992.

Colvin, R.A.; White, S.W.; Garcia-Blanco, M.A.; & Hoffman, D.W. Structure of the RNA loop of the HIV-1 TAR element. South Eastern Magnetic Resonance Conference 1992.

Colvin, R.A.; White, S.W.; Garcia-Blanco, M.A.; & Hoffman, D.W. Structure of the RNA loops of the HIV-1 and EIAV TAR elements. Retroviruses, Cold Spring Harbor 1993.

Samuels, M., Bopp, D., Colvin, R.A., & Schedl, P. Genetic and biochemical analyses of the Drosophila sex-determination gene, sex-lethal. RNA Processing, Cold Spring Harbor 1993.

Colvin, R.A. & Garcia-Blanco, M.A. The loops of the HIV-1 and EIAV *trans*-activation response (TAR) elements are functionally equivalent. Retroviruses, Cold Spring Harbor, 1995.

Colvin, R.A., Campanella, G.K., and Luster, A.D. Signaling through Chemokine Receptor CXCR3. Gordon Research Conference, South Hadley, Massachusetts. 2002.

Colvin, R.A., Campanella, G.K., Manice, L.A., and Luster, A.D. CXCR3 requires tyrosine sulfation for ligand binding and a second extracellular loop arginine residue for ligand-induced chemotaxis. Keystone Research Conference: Chemokines and Chemokine Receptors, Snowbird, UT, 2006.

### **Invited Talks**

- August 2002 Invited speaker at Duke University School of Medicine for the first year medical students. Talk entitled, "HIV and AIDS: Clinical Correlations and Personal Experiences."
- August 2003 Invited speaker at Duke University School of Medicine for the first year medical students. Talk entitled, "HIV and AIDS: Clinical Correlations and Personal Experiences."
- August 2004 Invited speaker at Duke University School of Medicine for the first year medical students. Talk entitled, "HIV and AIDS: Clinical Correlations and Personal Experiences."
- August 2004 Invited Speaker at Duke University School of Medicine, Therapeutics Development Working Group. Talk entitled, "Signaling through CXCR3: Chemotaxis, internalization, and a potential role in trafficking of HIV-1 infected T cells."
- August 2005 Invited speaker at Duke University School of Medicine for the first year medical students. Talk entitled, "HIV and AIDS: Clinical Correlations and Personal Experiences."
- September 2005 Invited speaker at Broad Institute, Boston, MA. Talk entitled, "Novel regulators of chemotaxis identified through an shRNA based screen."
- December 2005 Invited Speaker at the HIV Forum, Washington, DC. Talk entitled, "Biology of chemokine receptors: not just for leukocyte trafficking."
- January 2006 Invited Speaker at Genzyme, Waltham, MA. Talk entitled, "Overview of chemokine receptor biology."
- August 2006 Invited speaker at Duke University School of Medicine for the first year medical students. Talk entitled, "HIV and AIDS: Clinical Correlations and Personal Experiences."
- August 2007 Invited speaker at Duke University School of Medicine for the first year medical students. Talk entitled, "HIV and AIDS: Clinical Correlations and Personal Experiences."

### **Medical School Lectures**

May 2002. Human Systems Module II, Endocrinology of Growth, Metabolism, and Reproduction Pathophysiology Section of Human Systems (IN708). Tutor for a one-hour mini-case session on "Sexually transmitted diseases." For second year medical students.

May 2003. Human Systems Module II, Endocrinology of Growth, Metabolism, and Reproduction, Pathophysiology Section (IN708). Tutor for a one-hour mini-case session on "Sexually transmitted diseases." Twenty second year medical students. One hour preparation and one and hour contact time.