

Tiffany L. Alley, Ph.D.

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PROFESSIONAL EXPERIENCE

August 2006-Present

Assistant Professor DeBusk College of Osteopathic Medicine, Lincoln Memorial University, Harrogate, TN

- Present material in fields of immunology, cell biology, virology and genetics to medical students
- Assist in preparing curriculum for basic sciences for first and second year medical students
- Secondary course director for Molecular Fundamentals of Medicine I and II
- Secondary coordinator for Hematology/Lymph and Dermal systems
- Participate in formal interview process for incoming medical school classes
- Ensure medical students are appropriately prepared for examination boards in areas of expertise
- Chair, LMU-DCOM Admissions Committee
- Member of Student Progress Committee, Health Sciences Research and Grants Committee and Promotion and Multi-year Appointments Committee
- DCOM representative for LMU Institutional Review Board
- Lecture in immunology and genetics in the physician assistant (PA) program
- Taught cellular/molecular biology and immunology at the undergraduate level for one year (2006-2007)

September 2004-July 2006

Recruitment Outreach Manager* Henry M. Jackson Foundation for the Advancement of Military Medicine, Inc. assigned to Vaccine Research Center (VRC)/National Institute of Allergy And Infectious Diseases (NIAID)/National Institutes of Health (NIH), Bethesda, MD

- Trained and supervised recruitment outreach personnel
- Effectively applied the concepts of Social Marketing to create a reliable, informed community base of potential advocates and volunteers for VRC clinical trials
- Developed, implemented and evaluated volunteer recruitment strategies and outreach efforts to increase awareness of, and enroll participants in VRC clinical trials
- Initiated innovative public communications and advertising campaigns to include marketing, graphics, productions and distribution of all activity related to VRC outreach
- Collected, organized and analyzed marketing and recruitment data for use in various reports to determine the efficacy of the program
- Assisted in organization of recruitment/retention and community education plans
- Developed standard operating procedures for recruitment/outreach team
- Acted in advanced role as liaison between intramural, extramural, and contractor groups
- Served as point-of-contact and provided initial, in-depth screening of potential volunteers

August 2002-September 2004

Recruitment and Outreach Specialist* Scientific Applications International Corporation-Frederick, Inc. assigned to VRC/NIAID/NIH, Bethesda, MD

- Translated detailed scientific concepts to a variety of audiences through public speaking venues and to individual potential volunteers
- Directly recruited potential study subjects through successful community outreach and relationship-building to create and maintain a strong presence for the VRC mission for the public-at-large
- Served as point-of-contact and provide initial, in-depth screening of potential volunteers
- Communicated eligibility criteria and related concerns to senior clinical staff

December 2000-August 2002

Research Fellow* VRC/NIAID/NIH, Bethesda, MD

August 1999-December 2000

Post-doctoral Fellow* Division of Infectious Diseases/Department of Medicine/Vanderbilt University, Nashville, TN

- Conducted original research on the RhoA signaling pathways triggered in various pulmonary cell lines after RSV infection
- Established research collaboration with FDA investigators to determine the influence of allergens on RSV-mediated RhoA activation
- Presented data at national forums
- Trained and supervised graduate and medical students

**All positions from Vanderbilt University to VRC/NIH were under the supervision of Barney S. Graham, M.D., Ph.D.*

December 1997-July 1999

Visiting Post-doctoral Fellow Department of Immunology and Microbiology/Vanderbilt University, Nashville, TN

- Initiated work on embryonic stem cell line to express a homologous recombinant of the *PIR-B* gene

April 1997-July 1999

Post-doctoral Fellow Division of Developmental and Clinical Immunology/University of Alabama at Birmingham, Birmingham, AL

- Cloned and sequenced the *PIR-B* gene
- Began elucidation of the genomic structure of the *PIR* family members
- Established collaboration with investigators at Vanderbilt University to develop a *PIR-B* knockout mouse
- Published and presented data in peer-reviewed journals and national forums

August 1993-May 1995

Teaching Assistant Department of Biochemistry and Molecular Biology/University of Florida, Gainesville, FL

- Prepared and presented supplemental lectures for undergraduate and dental introductory courses in Biochemistry and Molecular Biology

EDUCATION

1988-1992 B.S. Microbiology, University of Florida, Gainesville, FL
1992-1997 Ph.D. Biochemistry and Molecular Biology, University of Florida, Gainesville, FL

GRANT AND HONOR AWARDS

2006 Performance Award, Vaccine Research Center/National Institute of Allergy and Infectious Disease/National Institutes of Health, Bethesda, MD
2005 Performance Award, Vaccine Research Center/National Institute of Allergy and Infectious Disease/National Institutes of Health, Bethesda, MD
1997-1999 NIH Training Fellowship, University of Alabama at Birmingham/Department of Virology
1996 College of Medicine Medical Guild Research Award: Second Place Winner of the 21st Graduate Student Research Competition, University of Florida
1988-1992 Florida Undergraduate Academic Scholarship, University of Florida

PEER-REVIEWED PUBLICATIONS (Member of VRC Study Team)

Catanzaro, AT, RA Koup, M Roederer, RT Bailer, ME Enama, Z Moodie, L Gu, JE Martin, L Novik, BK Chakrabarti, BT Butman, JGD Gall, CR King, CA Andrews, R Sheets, PL Gomez, JR Mascola, GJ Nabel, BS Graham and the VRC 006 Study Team, Phase 1 safety and immunogenicity evaluation of a multiclade HIV-1 DNA candidate vaccine. *JID* 194: 1638-1649, 2006.

Graham, BS, RA Koup, M Roederer, RT Bailer, ME Enama, Z Moodie, JE martin, MM McCluskey, BK Chakrabarti, L Lamoreaux, CA Andrews, PL Gomez, JR Mascola, GJ Nabel and the VRC 004 Study Team, Phase 1 safety and immunogenicity evaluation of a multiclade HIV-1 DNA candidate vaccine. *JID* (194): 1650-1660, 2006.

Parrino, LH McCurdy, BD Iarkin, IJ Gordon, SE Rucker, ME Enama, RA Koup, M Roederer, RT Bailer, Z Moodie, L Gu, L Yan, BS Graham and the VRC 201/203 Study Team, Safety, immunogenicity and efficacy of modified vaccinia Ankara (MVA) against Dryvax® challenge in vaccinia-naïve and vaccinia-immune individuals. *Vaccine* doi:10.1016/j.vaccine, 2006.

Martin, JE, NJ Sullivan, ME Enama, IJ Gordon, M Roederer, RA Koup, RT Bailer, BK Chakrabarti, MA Bailey, PL Gomez, CA Andrews, Z Moodie, L Gu, JA Stein, GJ Nabel, BS Graham and the VRC 204 Study Team, A DNA vaccine for Ebola virus is safe and immunogenic in a phase I clinical trial. *Clin and Vaccine Immunol* 13(11): 1267-1277, 2006.

PEER-REVIEWED PUBLICATIONS

Alley TL, B Li, BS Graham, Y-27362, a Rho kinase (p160 ROCK) specific inhibitor, down regulates transcription of IL-6 and IL-8 in respiratory syncytial virus (RSV)-infected Hep-2 cells. *Fed Amer Soc Exp Biol*, 2001.

Kubagawa H, MD Cooper, C-C Chen, L-H Ho, TL Alley, V Hurez, T Tun, T Uehara, T Shimada, PD Burrows: Paired immunoglobulin-like receptors of activating and inhibiting types. *Curr Top Microbiol Immunol* 224:137-149, 1999.

Alley TL, MD Cooper, M Chen, and H Kubagawa: Genomic Structure of PIR-B, the inhibitory member of the paired immunoglobulin-like receptor genes in mice. *Tissue Antigens* 51:224-231, 1998.

Alley TL, SW Scherer, JJ Huzeinga, L-C Tsui, MR Wallace: Physical mapping of the chromosome 7 breakpoint region in an SLOS patient with t(7;20)(q32.1;q13.2) *Am J Med Genet* 68:279-281, 1996.

Alley TL, BA Gray, S Lee, SW Scherer, L-C Tsui, GS Tint, RT Zori, CA Williams, MR Wallace: Identification of a yeast artificial chromosome clone spanning a translocation breakpoint at 7q32.1 in a Smith-Lemli-Opitz syndrome patient. *Am J Hum Genet* 56:1411-1416, 1995.

Wallace MR, RT Zori, TL Alley, E Whidden, BA Gray, CA Williams: Smith-Lemli-Opitz Syndrome in a female with a de novo balanced translocation involving 7q32.1: probable disruption of an SLOS gene. *Am J Med Genet* 50: 368-374, 1994.