

# Vijay Sivaraman, Ph.D

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2013- Current      North Carolina Central University      Durham, NC  
Assistant Professor, Department of Biology

## Education:

2010- 2013      University of North Carolina, Chapel Hill      Chapel Hill, NC  
Post-Doctoral Research Associate  
PI: William E. Goldman, PhD

2003-2009      University of North Carolina, Chapel Hill      Chapel Hill, NC  
**Ph.D Microbiology and Immunology**  
PI: Lishan Su, PhD

2001-2003      National Institutes of Health      Bethesda, MD  
Laboratory of Immunology, National Eye Institute  
**Pre-Doctoral Intramural Training Award Fellow**  
PI: Jack Ragheb, MD, PhD

1997-2001      New College of Florida      Sarasota, FL  
**B.A. Biology/Chemistry**  
New College is the Nationally Recognized Honors  
College of the State University System of Florida  
Thesis: "The Development of a Viral Vector to  
Insert Preproenkephalin into Brain"

## Teaching Experience:

2013      **Assistant Instructor**, BIO211: Introduction to Science Research, UNC Chapel Hill

2012      **Guest Lecturer**, "SURE/SOLAR Summer Journal Club" UNC Chapel Hill

2011, 2012      **Guest Lecturer**, Epid 690-003 (Emerging & Re-emerging Infectious Diseases).  
6 lectures for Adaptive Immunology Section, UNC Chapel Hill

2010      **Course Director**, "Microbes of the Host and the Environment", The New  
College of Florida

2008      **Guest Lecturer**, MCRO 321 "Introduction to Immunology", UNC Chapel Hill

2006-2007      **Teaching Assistant**, MCRO 251 "Introduction to Medical Microbiology", 2  
Semesters, UNC Chapel Hill

## Awards:

2012      **Presentation Award**. Gordon Conference "Biology of Acute Respiratory Infection"  
Ventura, CA 2012

2011      **Invited Seminar Speaker**, North Carolina Central University,  
Durham, NC, 2011

- 2011 **Travel Grant.** Mid-Atlantic Microbial Pathogenesis Meeting, Wintergreen, VA 2011
- 2009 **Selected Poster Award,** FASEB: Microbial Pathogenesis, Snowmass, CO 2009
- 2008-2007 **T32 Virology Training Grant**  
Dept. of Microbiology/Immunology, University of North Carolina at Chapel Hill
- 2008 **Infectious Diseases Scholarship Award**  
Keystone Symposia: Cell Biology of Virus Entry, Replication and Pathogenesis. Victoria, British Columbia, 2008
- 2007 **Young Investigator Award**  
Conference on Retroviruses and Opportunistic Infections, Los Angeles, CA 2007
- 2001-2003 **NIH Pre-Doctoral Intramural Training Award**  
National Institutes of Health
- 1997-2001 **Florida Academic Scholars Award,** Full Tuition for State Institution

### **Presentations/Service:**

- Presenter/Poster FASEB: Microbial Pathogenesis 2013
- Committee Chair Microbiology and Immunology Postdoctoral Association
- Presenter/Poster Mid-Atlantic Microbial Pathogenesis Meeting 2013
- Presenter/Talk Gordon Conference "Biology of Acute Respiratory Infection" 2012
- Presenter/Poster RCE Innate Immunity Workshop 2011
- Presenter/Poster Oliver Smithies Noble Lecture Research Poster Forum 2011
- Presenter/Poster Mid-Atlantic Microbial Pathogenesis Meeting 2011
- Presenter/Poster FASEB: Microbial Pathogenesis 2009
- Committee Chair, Bassford Distinguished Lecture Selection Committee, 2007-2009
- Presenter/ Talk, Viral Pathogenesis Lecture Series, 2009
- Presenter/Talk, Virology in Progress Lecture Series, 2008
- Presenter/Poster, Keystone Symposia: Cell Biology of Virus Entry, Replication and Pathogenesis, 2008
- Presenter/Poster, Conference of Retroviruses and Opportunistic Infections, 2007
- Presenter/Talk. Student Seminar, Dept. of Microbiology and Immunology, 2005, 2007, 2008

### **Publications:**

**Sivaraman, V,** Zhang, L, Meissner, EG, and Su L. "The Heptad Repeat (HR) 2 Domain Is the Major Determinant for Enhanced HIV-1 Fusion and Pathogenicity of A Highly Pathogenic HIV-1 Env." (Journal of Virology, 2009).

West, J, Gregory, S, **Sivaraman, V,** Su, L and Damania, B. "Activation of Plasmacytoid Dendritic Cells by Kaposi's Sarcoma-Associated Herpesvirus. (Journal of Virology, 2011)

**Sivaraman, V,** Zhang, L, Su, L. "Type 1 interferon contributes to HIV-1 induced CD4+ T cell Depletion in human thymus" (Journal of Virology, 2011). **Article recommended by the Faculty of 1000**

Pechous, R, **Sivaraman, V,** Price, P, Stasulli, N, and Goldman, WE. "Early host targets of *Yersinia pestis* during primary pneumonic plague," (PLOS Pathogen, 2013)

**Sivaraman, V**, Pechous, R, Stasulli, N, and Goldman, WE. “*Yersinia pestis* preferentially activates both the host proteins IL-1 $\beta$  and IL-1 receptor antagonist to induce respiratory inflammation during pneumonic plague.” (In Submission).