

## Curriculum Vitae

# Staci L. Sudenga

**University of Alabama at Birmingham**  
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### Education:

- 2012     **PhD**, Epidemiology, University of Alabama at Birmingham,  
Birmingham, AL  
Chair Advisor: Sadeep Shrestha, PhD  
*Dissertation: Host genetic factors associated with HPV outcomes*
- 2009     **MPH**, Epidemiology, University of Alabama at Birmingham,  
Birmingham, AL
- 2007     **BA**, Biology, Luther College, Decorah, IA  
*Senior Paper: Identification of *Pinus* species through Polymerase Chain  
Reaction*

### Employment:

- 2007-Present     *Research Assistant*, Department of Epidemiology School of  
Public Health, University of Alabama at Birmingham.  
Sadeep Shrestha, PhD
- Analyze data and collaborated with stochastic modeling statistician
  - Coordinate and maintain sample repository
  - Assist with analytical programming of clinical, epidemiological and genetic data (REACH and HERS)
  - Manuscript preparation on HPV and HAART, HPV and host genetics
- 2010-2011     *Research Assistant*, CNICS (CFAR Network of Integrated Clinical  
Systems), 1917 Clinic, University of Alabama at Birmingham.  
Michael Saag, MD and Sadeep Shrestha, PhD
- Tested for HIV in Cancer patients
  - Created and manage database
  - Analyzed data from multiple study sites
- 2008-2011     *Study Coordinator*, Department of Epidemiology, School of  
Public Health, University of Alabama at Birmingham.  
Sadeep Shrestha, PhD.
- Coordinator on multi-site study
  - Created and manage database
  - Corresponded with study sites to meet their needs

- 2009 *CAREs Intern*, Department of Gynecologic Oncology, School of Medicine, University of Alabama at Birmingham.  
Warner Huh, MD.  
- Created IRB protocol  
- Abstracted medical record data  
- Coordinated HPV vaccine trial at UAB Highlands Hospital  
- Consented and interviewed participants in HPV vaccine trial
- 2008-2009 *CAREs Intern/ Research Assistant*, Department of Palliative and Supportive Medicine, University of Alabama at Birmingham.  
Elizabeth Kvale, MD.  
- Created retrospective database by medical record extraction  
- Consented patients into study and randomized them  
- Conducted patient questionnaire phone interviews  
- Analyzed database using SAS
- 2006-2007 *Research Assistant*, Department of Biology, Luther College.  
Nicholas Downey, PhD.  
- Distinguished ancient pollen grains with the use of species-specific primers  
- Responsible for doing ligations, transformations, mini-preps, quantitative PCR analysis, and gel electrophoresis  
- Kept the lab clean, made solutions, and made bacteria agar plates

### Teaching Experience

- 2009-2010 *Teaching Assistant*, Epi621 HIV/STD, Department of Epidemiology, School of Public Health, University of Alabama at Birmingham. Mirjam-Colette Kempf, PhD.

### Peer-reviewed Publications:

4. Kravchenko J, Akushevich I, **Sudenga SL**, Wilson CM, Levitan EB, Shrestha S. Transitional probability-based model for HPV clearance in HIV-1-positive adolescent females. *PLoS One*. 2012; 7(1):e30736.
3. **Sudenga SL**, Kempf MC, McGwin G, Wilson CM, Hook E, Shrestha S. Incidence, Prevalence and Epidemiology of Herpes Simplex Virus-2 in HIV-1-positive and HIV-1-negative Adolescents. *Sexually Transmitted Disease*. 2012; Epub Jan 2012.
2. **Sudenga SL**, Royse KE, Shrestha S. Role and uptake of human papillomavirus vaccine in adolescent health in the United States. *Adolescent Health, Medicine and Therapeutics*. 2011; 2: 63-74.
1. Shrestha S, **Sudenga SL**, Smith JS, Bachmann LH, Wilson CM, Kempf MC. The impact of highly active antiretroviral therapy on prevalence and incidence of cervical human papillomavirus infection in HIV-positive adolescents. *BMC Infect Dis*. 2010; 10(1):295.

**Sudenga SL**, Royse KE, Shrestha S. Human Papillomavirus Persistence, the Intermediate Phenotype and Host Genetics. In preparation.

Royse KE, **Sudenga SL**, Shrestha S. Review of Differential Gene Expression in Cervical Intraepithelial Neoplasia and Significant Genes Related to Gene Expression for DNA Methylation and Genetic Polymorphisms. In preparation.

**Abstracts:**

**Sudenga SL**, Kravchenko J, Akushevich I, Vaughan LK, Wilson CM, Tang J, Shrestha S. Immune response genes and pathways involved in HIV pathogenesis influence HPV 16/16-like infection outcomes in HIV-infected adolescents. UAB Comprehensive Cancer Center 14th Annual Research Retreat and Research Competition. October 25, 2011. (Poster Presentation).

**Sudenga SL**, Kravchenko J, Akushevich I, Vaughan LK, Wilson CM, Tang J, Shrestha S. Immune response genes and pathways influence HPV 18/18-like infection outcomes. 27<sup>th</sup> International Papillomavirus Conference and Clinical Workshop. Berlin, Germany. September 17-22, 2011. (Poster Presentation).

Kravchenko J, **Sudenga S**, Akushevich I, Wilson CM, Shrestha S. The approach to individualized prediction of HPV infection persistence/clearance in HIV-1-positive adolescent girls based on CD4+ counts dynamic and other co-factors/confounding factors. 12th International Conference on Malignancies in AIDS and Other Acquired Immunodeficiencies (ICMAOI). Bethesda, MD April 26-27, 2010. (Poster Presentation)

**Sudenga S**, Kempf MC, Wilson C, Hook E, Shrestha S. Herpes Simplex Virus-2 Incidence in High Risk Adolescents. 2<sup>nd</sup> Annual UAB School of Public Health Research Day. April 5, 2010. (Poster Presentation).

Kvale E, Ritchie C, **Sudenga S**, Jackson M, Kuo H, Meleth S. Comorbidity does not predict symptom burden in palliative care outpatient. Journal of Pain and Symptom Management. 2010; 39:438. (Abstract)

**Sudenga S**, Meleth, Ritchie C, Jackson M, Bunch P, Estes RT, Pullins J, Kvale E. Pain as a Predictor of Quality of Life in Patients Seeking Palliative and Supportive Care in an outpatient setting. 25<sup>th</sup> Annual UAB Trainee Research Symposium / Poster Session. March 4, 2009. (Poster Presentation).

**Sudenga S**, Johnson D, Wilson CM, Shrestha S. Concordance rates of Cervical and Anal HPV in HIV Positive Adolescent Females. UAB Graduate Student Research Day, Birmingham, Alabama. February 28, 2009. (Oral Presentation).

Kvale E, Pullins J, Watt R, Estes T, **Sudenga S**, Jackson M, Ritchie C. Developing Clinically Relevant Data Collection in Outpatient Palliative Clinic. Center to Advance Palliative Care Level 1/Level 2 Conference. Grapevine, TX. November 2008. (Poster Presentation)

Shrestha S, **Sudenga S**, Bachmann LH, Wilson CM, Kempf MC. *Pre- and Post-HAART Prevalence, Incidence, and Type Specific HPV Persistence among HIV-Positive Adolescents*. 24<sup>th</sup> International Conference on Pharmacoepidemiology & Therapeutic Risk Management, Copenhagen, Denmark August 17-20, 2008. (Oral Presentation)

**Grant Support:**

NIH/NCI (5R25CA047888), Trainee, UAB Cancer Prevention and Control Training Program, (Principal Investigator: Wendy Denmark-Wahnefried, PhD).

**Reviewer Responsibilities:**

2011- Manuscript Reviewer. PloS One  
2011- Manuscript Reviewer. AIDS

**Professional Membership:**

2011- International Papillomavirus Conference and Clinical Workshop  
2008- American Public Health Association

**Service:**

2007-2009 Birmingham AIDS Outreach (BAO)

**Activities:**

2009- Basic Research in Infectious Disease and Genetic Epidemiology (BRIDGE) Member  
2007-2008 Public Health Student Association, University of Alabama-Birmingham, AL. Secretary.  
2007 UAB School of Public Health Financial Aid Committee Member  
2004-2007 Alpha Phi Omega