

## **Joshua S. Loomis, Ph.D.**

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### ***Education/ Training***

University of Florida

College of Liberal Arts and Sciences

Dept. of Microbiology and Cell Science

Gainesville, FL

**Undergraduate student**

1995-1998

**B.S. in Microbiology and Cell  
Science**, August 1998

The Pennsylvania State University

College of Medicine

Department of Microbiology and

Immunology, Hershey, PA

**Graduate Student**

1998-2003

**Ph.D. in Microbiology and  
Immunology**, December 2003

University of Miami

Miller School of Medicine

Department of Microbiology

Miami, FL

**Postdoctoral Associate**

2003-2005

Broward Community College

Department of Natural Arts and Sciences

Davie, FL

**Adjunct Professor**

2004-2005

Nova Southeastern University

Farquhar College of Arts and Sciences

Division of Math, Science, and

Technology, Davie, FL

**Asst/Assoc Professor of Biol.**

2005 - 2015

East Stroudsburg University

Department of Biology

College of Arts and Sciences

East Stroudsburg, PA

**Asst/Assoc Professor of Biol.**

2015 - present

### ***Teaching Experiences***

#### **The Pennsylvania State University 1998-2003**

Teaching assistant for Medical Microbiology Laboratory (BBD 716).

March 2000-June 2003 (4 semesters)

#### **Broward Community College 2004-2005**

Microbiology Lab (MCB2013L)

General Biology (BSC1005)

Anatomy and Physiology I (BSC1085)

#### **Nova Southeastern University 2005 - 2015**

Concepts and Connections in Biology (BIOL1100) – non-majors

General Biology I (BIOL1450) – non-majors and online

General Biology I lab (BIOL1451) – non-majors and online

Biology I/lab (BIOL1500)

Microbiology/lab (BIOL3400)  
 Genetics/lab (BIOL3600)  
 Microbial Pathogenesis (BIOL4300)  
 Cell and Molecular Biology (BIOL4340)  
 Immunology (BIOL4360)  
 Independent Study in Biology (BIOL4990)  
 Internship in Biology (BIOL4950)  
 General Science (SCIENCE1000) – non-majors  
 Biotechnology and the Future of Human Nature (UNIV1010) – non-majors  
 Honors Seminar: Can you dig it? Dirt as Substance and Metaphor (HONR2010E)  
 Honors seminar: Epidemics and their power over humanity (HONR2010G)

**East Stroudsburg University 2015- present**

Microbiology/lab (BIOL330)  
 Virology (BIOL419/519)  
 Applied Microbiology/Lab (BIOL430/530)

***Publications***

Bowzard, J.B., R.J. Visalli, C.B. Wilson, **J.S. Loomis**, E.M. Callahan, R.J. Courtney, J.W. Wills. Membrane targeting properties of a herpesvirus tegument protein-retrovirus Gag chimera. J Virol. 2000 Sept; 74(18):8692-9.

**Loomis, J.S.**, J.B. Bowzard, R.J. Courtney, J.W. Wills. Intracellular trafficking of the UL11 tegument protein of herpes simplex virus type-1. J Virol. 2001 Dec; 75(24): 12209-19.

Brignati, M.B., **J.S. Loomis**, J.W. Wills, R.J. Courtney. Membrane association of VP22, a herpes simplex virus type 1 tegument protein. J Virol. 2003 Apr; 77(8): 4888-98.

**Loomis, J.S.**, R.J. Courtney, J.W. Wills. Identification of binding partners for the UL11 tegument protein of herpes simplex virus type-1. J Virol. 2003 Nov; 77(21): 11417-24.

**Loomis, JS**, Courtney RJ, and Wills JW. Packaging Determinants in the UL11 Tegument Protein. J Virol. 2006 Nov; 80(21): 10534-10541

Hickman, H.D., K. Takeda, C.N. Skon, F.R. Murray, S.E. Hensley, **J. Loomis**, G.N. Barber, J.R. Bennink, J.W. Yewdell. Direct priming of antiviral CD8+ T cells in the peripheral interfollicular region of lymph nodes. Nature Immunology. 2008 Feb; 9(2): 155-165.

Lin, Y.J., L. Alsad, F. Vogel, S. Koppar, L. Nevarez, F. Auguste, J. Seymour, A. Syed, K. Christoph, and **J. S. Loomis**. Interactions between *Candida albicans* and *Staphylococcus aureus* within mixed species biofilms. BIOS. 2013 Mar; 84(1): 30-39.

**Loomis, JS.** *Epidemics: The Impact of Germs and Their Power Over Humanity*. Hardcover. 1st ed. Santa Barbara: ABC-CLIO/Praeger; 2018.

**Loomis, JS.** *Epidemics: The Impact of Germs and Their Power Over Humanity*. Paperback. 1st ed. Nashville: Turner Publishing; 2020.

**Loomis, JS.** *Epidemics: The Impact of Germs and Their Power Over Humanity*. Chinese Edition. 1st ed. Shanghai: Social Sciences Academic Press; 2021.

Bentkowski, K., Chinicci, N, and **J. Loomis**. Prevalence of Powassan Virus and Co-infection with Lyme Disease (*Borrelia burgdorferi*) in Blacklegged ticks (*Ixodes scapularis*) collected from New Jersey and Pennsylvania Black Bears (*Ursus americanus*). To be submitted (Fall 2023)

***Honors and  
Professional  
Scholarship***

Penn State University Life Science Consortium Fellowship, 1999  
Travel Award, American Society for Virology, 2000 and 2001  
National Institute of Health Training Grant, 2001-2003  
Karl H. Beyer, Jr., M.D., Ph.D. Scholarship, Penn State University, 2003  
John F. Ender Award, Penn State University, 2004  
Susan G. Komen Breast Cancer Foundation Postdoctoral Fellowship, 2005  
Reviewer for several textbooks including Kuby Immunology 7th ed, Pierce Genetics: A Conceptual Approach 5<sup>th</sup>, 6<sup>th</sup>, and 7<sup>th</sup> ed., Griffith's Introduction to Genetic Analysis 11th ed, 2011-2019  
NSU Student Life Achievement Awards – Finalist for the NSU Professor of the Year, 2011  
Awarded the NSU President's Faculty Research and Development Grant, 2009 and 2013  
Ad hoc reviewer for BIOS journal, 2013-present  
Recipient of an ESU FDR minigrant, Fall 2015  
Recipient of an ESU FDR Major Leveraging Grant, Fall 2016  
Recipient of an ESU Entrepreneurship Grant, Spring 2017  
Member of the Pennsylvania Academy of Sciences, 2016 - present