

**VICKI P. LOSICK, Ph.D.**

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**EDUCATION AND PROFESSIONAL EXPERIENCE**

**Assistant Professor**, Biology Department, Boston College, Chestnut Hill, MA.  
September, 2019- present

**Assistant Professor**, Kathryn W. Davis Center for Regenerative Biology & Medicine,  
MDI Biological Laboratory, Bar Harbor, ME.

**Adjunct Assistant Professor**, Graduate School of Biomedical Science & Engineering,  
University of Maine, Orono, ME.

January, 2016- July, 2019.

**Postdoctoral Fellow/ Research Associate**, Jane Coffin Childs Postdoctoral fellow in  
Allan Spradling's laboratory at the Carnegie Institution for Science, Department of  
Embryology, Baltimore, MD.

September, 2008- December, 2015.

**Losick VP.** Wound-induced polyploidy is required for tissue repair. *Adv Wound Care* (New Rochelle). 2016, Jun 1;5(6):271-278.

**Losick, VP,** Jun, AS, and Spradling, AC. Wound-induced polyploidization: regulation by Hippo and JNK signaling and conservation in mammals. *PLoS One*. 2016 Mar 9;11(3):e0151251.

**Losick, VP,** Fox DT, and Spradling, AC. Polyploidization and cell fusion contribute to wound healing in the adult *Drosophila* epithelium. *Current Biology*. 2013, Nov 18; 23(22):2224-32.

**Losick VP,** Morris LX, Fox DT, Spradling A. *Drosophila* stem cell niches: a decade of discovery suggest a unified view of stem cell regulation. *Developmental Cell*. 2011, Jul 19; 21(1):159-71.

### **Graduate publications**

Liu M, Uehara T, **Losick VP,** Park JT, and Isberg RR. A *Legionella pneumophila* protein that facilitates evasion from Nod1 recognition. *Cell Host Microbe*. 2012, Aug 16; 12(2):166-76.

**Losick VP,** Haenssler E, Moy M, and Isberg RR. LnaB: a *Legionella pneumophila* activator of NF-kappaB. *Cell Microbiology*. 2010, Aug; 12(8):1083-97.

Li Z, Dugan AS, Bloomfield G, Skelton J, Ivens A, **Losick VP,** and Isberg RR. The amoebal MAP kinase response to *Legionella pneumophila* is regulated by DupA. *Cell Host Microbe*. 2009, Sep 17; 6(3):253-67.

**Losick VP\***, Stephan KS\*, Isberg, RR, Poltorak A. A hemidominant Naip5 allele in MOLF/Ei-derived macrophages restricts *L. pneumophila* intracellular growth. *Infection and Immunity*. 2009, Jan; 77(1):196-204. \*Co-primary authors.

**Losick VP** and Isberg RR. NF-kappaB translocation prevents host cell death after low-dose challenge by *Legionella pneumophila*. *Journal of Experimental Medicine*. 2006, Sep 4; 203(9):2177-89.

### **Undergraduate publication**

**Losick VP,** Schlax PE, Emmons RA, Lawson TG. Signals in Hepatitis A Virus P3 region Proteins recognized by the ubiquitin-mediated proteolytic system. *Virology*. 2003, May 10; 309(2):306-19.

## **INVITED AND SELECTED TALKS**

**59<sup>th</sup> Annual *Drosophila* Research Conference** on April 11<sup>th</sup>-15<sup>th</sup>, 2018.

*Polyploid cell growth is required for wound repair to prevent mitotic induced cell death.*

\*invited co-chair of Cell Biology & Signal Transduction session



2016-2017 Centers of Biomedical Research Excellence Project Leader, NIGMS  
(P20GM104318).  
2009-2012 Jane Coffin Childs Postdoctoral Fellowship

**Other honors**

2014 Drosophila Image Award finalist  
2001 Bates College Biochemistry Departmental Honors

**OTHER EXPERIENCE AND PROFESSIONAL MEMBERSHIPS**

**Societal Memberships**

2013- present Member, American Society for Cell Biology  
2009- present Member, Genetics Society of America

**Ad Hoc Reviewer**

2017-present Medical Research Council grant  
2016 NIH BUILD PODER grant  
2015- present Cell Press Journals  
2018- present Company of Biologist Journals

2017 [College of the Atlantic](#)

**MDIBL Instructor short course on regenerative biology**

2017 [Comparative Regenerative Biology](#)

**Instructor in NIH Bio-Trac Stem Cell Course**

2011- 2014 Course occurs twice a year in September and March

Instructed and designed two lectures on “*Stem cells in non-mouse model systems*” and “*The stem cell niche*”, as well as a laboratory.