

CURRICULUM VITAE

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Education:

Carnegie Mellon University, Pittsburgh, PA
B.S., 1998, Biological Sciences
Princeton University, Princeton, NJ
M.A., 2000, Molecular Biology
Princeton University, Princeton, NJ
Ph.D., 2003, Molecular Biology

Publications:

Yellon, R.F., Szeremeta, W., Grandis, J.R., **DiGiuseppe, P.**, Dickman, P.S. Role of subglottic injury, gastric juice, and peptide growth factors in a porcine model. *Int Anesthesiol Clin*. 1997 Summer;35(3):115-25.

Yellon, R.F., Szeremeta, W., Grandis, J.R., **DiGiuseppe, P.**, Dickman, P.S. Subglottic injury, gastric juice, corticosteroids, and peptide growth factors in a porcine model. *Laryngoscope* 1998 Jun;108(6):854-62

DiGiuseppe, P.A., and T.J. Silhavy. Signal Detection and Target Gene Expression by the CpxRA Two-Component System. *J. Bacteriol*. 2003 Apr; 185(8):2432-40.

DiGiuseppe, P.A. and T.J. Silhavy. Pushing the Envelope: Lessons Learned by Stressing Bacteria Creatively. *ASM News* 2003 70 (2): 71-79.

Lee, Y.M., **P.A. DiGiuseppe**, T.J. Silhavy, and S.J. Hultgren. P pilus assembly motif necessary for activation of the CpxRA pathway by PapE in *Escherichia coli*. *J. Bacteriol* 2004 Jul; 186(13): 4326-4337..

DiGiuseppe, P.A. and T.J. Silhavy. A Kinase-Dependent Promoter-Specific Dominant-Negative Mutation in the Response Regulator, CpxR. In preparation.

DiGiuseppe Champion, P.A., S.A. Stanley, M.M. Champion, E.J. Brown, and J.S. Cox, C-terminal signal sequence promotes virulence factor

secretion in *Mycobacterium tuberculosis*. *Science* 2006 15 September
Vol. 313. no. 5793, pp. 1583 - 1584.

DiGiuseppe Champion, P.A. and J.S. Cox, Virulence factor secretion in
Mycobacteria. Review, *Cellular Microbiology*. In preparation.

Positions and Employment:

1996-1997 **Undergraduate Research Assistant**, University of Pittsburgh
Medical Center, Pittsburgh, PA, with Dr. Jennifer R. Grandis

1997-1998 **Undergraduate Research Assistant**, Carnegie Mellon
University, Pittsburgh, PA, with Dr. James F. Williams

1998-2003 **Graduate Student**, Department of Molecular Biology,
Princeton University, Princeton, NJ, with Dr. Thomas J. Silhavy

2003-present **Postdoctoral Fellow**, University of California San
Francisco, San Francisco, CA, with Dr. Jeffery S. Cox

Honors and Awards:

1998 Research Honors, Carnegie Mellon University

1998-2000 Member, Sigma Xi

1998-2002 Department of Molecular Biology Genetics and Molecular
Biology Training Grant-NIH Princeton University T32 GM7388

2006-present Ruth L. Kirschstein National Research Service Award
(A105155, NIAID).

Teaching Experience:

1998 Teaching Assistant, Experimental Techniques in Biochemistry,
Carnegie Mellon University, Pittsburgh, PA

1999 Lab Instructor, Intro to Cellular and Molecular Biology, Princeton
University, Princeton, NJ

2000 Preceptor, Genetics, Princeton University, Princeton, NJ

2001 Teaching Assistant, Molecular Biology of Prokaryotes, Princeton
University, Princeton, NJ

2001 Preceptor, Human Genetics, Reproduction and Public Policy,
Woodrow Wilson School, Princeton University, Princeton, NJ

2002-2003 Instructor, Undergraduate Senior Thesis Writer's Workshop,
Princeton University, Princeton, NJ

Invited Presentations:

Cold Spring Harbor Conference on the Molecular Genetics of Bacteria and Phage, Novel Activities of the Two-Component Response Regulator, CpxR. (Poster), 2000

FASEB conference on Prokaryotic Transcription Initiation, Structure Function Analysis of the Transcription Factor, CpxR. (Poster), 2001

Cold Spring Harbor Conference on the Molecular Genetics of Bacteria and Phage, Signal Detection and Target Gene Expression of the Cpx Two-Component System. (Oral Presentation), 2002

The Molecular Genetics of Bacteria and Phage, Kinase dependent (CpxA) dominant negative mutations in the response regulator CpxR.. (Oral Presentation), 2003

The Molecular Genetics of Bacteria and Phage, A pair of virulence factors are targeted for secretion using a C-terminal signal sequence in *M. tuberculosis* (Oral Presentation), 2005

West Coast Bacterial Physiologists Conference, A pair of virulence factors are targeted for secretion using a C-terminal signal sequence in *M. tuberculosis* (Oral Presentation), 2005

Bay Area Microbial Pathogenesis Symposium, A pair of virulence factors are targeted for secretion using a C-terminal signal sequence in *M. tuberculosis* (Oral Presentation), 2006

Cold Spring Harbor Conference on The Molecular Genetics of Bacteria and Phage, *Acanthamoeba castellanii* as a host for *Mycobacterium marinum* (Oral Presentation), 2006

University of Alabama, Birmingham. Microbiology Department Seminar, *A conserved protein secretion system that manipulates host cell response during Mycobacterial infection.* 2006.

References:

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