

Laura J. Runyen-Janecky
Curriculum Vitae

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Education:

1996-present Postdoctoral fellow (Dr. Shelley Payne's laboratory)
Section of Molecular Genetics & Microbiology, University of Texas, Austin, Texas
1991-1996 Ph.D. in Cellular and Molecular Biology (Dr. Susan West's laboratory)
University of Wisconsin, Madison, Wisconsin
1987-1991 B.S. in Biology and Chemistry, Magna Cum Laude
Southwestern University, Georgetown, Texas

Teaching experience:

1999 Assistant Professor of Biology, part-time (taught Microbiology)
Southwestern University, Georgetown, Texas
1998 Assistant Professor of Biology, part-time (taught Genetics)
Southwestern University, Georgetown, Texas
1995 Teaching Assistant, Prokaryotic Molecular Biology
University of Wisconsin, Madison, Wisconsin
1989-1991 Head Laboratory Teaching Assistant, Department of Biology
Southwestern University, Georgetown, Texas
1988-1989 Laboratory Teaching Assistant, Department of Biology
Southwestern University, Georgetown, Texas

Research experience:

1996-present Postdoctoral fellow, Dr. Shelley Payne's laboratory
Section of Molecular Genetics & Microbiology, University of Texas, Austin, Texas
1991-1996 Graduate Research Assistant, Dr. Susan West's laboratory
Cellular and Molecular Biology Ph.D. Program
University of Wisconsin, Madison, Wisconsin
1990 NSF Summer Undergraduate Research Fellow, Department of Microbiology
University of Texas, Austin, Texas
1989 Summer Undergraduate Research Fellow, Department of Biochemistry
University of Texas Health Science Center, San Antonio, Texas

Academic Service:

1998 Reviewer for Chapters 1-4 of An Introduction to Genetic Analysis (7th edition)
by Griffiths *et al.*
1994-1995 Student Representative, Cell and Molecular Biology Training Grant Steering
Committee, University of Wisconsin, Madison, Wisconsin

Professional Honors:

- 1997-present National Institutes of Health National Research Service Award Individual Postdoctoral Fellowship
- 1996 Pseudomonas Club - Cystic Fibrosis Foundation Graduate Student Award
- 1996 American Society for Microbiology Sustaining Member Student Travel Grant
- 1992-1995 Cell and Molecular Biology Training Grant (Public Health Service Grant T32 GM 07215)
- 1992 National Science Foundation Predoctoral Graduate Fellowship Honorable Mention
- 1991 National Defense Science and Engineering Graduate Fellowship Program Honorable Mention
- 1991 Outstanding Southwestern University Senior Biology Student
- 1989-present Alpha Chi National Honor Scholarship Society

Professional Memberships:

- 1992-present American Society for Microbiology
- 1995-present American Association for the Advancement of Science

Publications:

Runyen-Janecky, L.J., and S. M. Payne. 2000. Identification of *in vivo* induced genes in *Shigella flexneri*. Manuscript in preparation.

Runyen-Janecky, L. J., M. Hong, and S. M. Payne. 1999. The virulence plasmid-encoded *impCAB* operon in *Shigella flexneri* enhances survival and induced mutagenesis after exposure to UV irradiation. *Infect. Immun.* **67**:1415-1423.

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West, S. E. H., A. K. Sample, and L. J. Runyen-Janecky. 1994. The *vfr* gene product, required for *Pseudomonas aeruginosa* exotoxin A and protease production, belongs to the cyclic AMP receptor protein family. *J. Bacteriol.* **176**:7532-7542.

West, S. E. H., H. P. Schweizer, C. Dall, A. K. Sample, and L. J. Runyen-Janecky. 1994. Construction of improved *Escherichia-Pseudomonas* shuttle vectors derived from pUC18/19 and sequence of the region required for their replication in *Pseudomonas aeruginosa*. *Gene* **128**:81-86.

Abstracts:

Gordon, J. L., S. A. Reeves, L. J. Runyen-Janecky, and S. M. Payne. 2000. Identification of the large plasmid-encoded colicin synthesis and immunity genes in *Shigella flexneri*. Abstr. Ann. Mtg. American Soc. Microbiol. p.82.

Kanack, K. J., E. P. Ferrell, L. J. Runyen-Janecky, and S. E. H. West. 2000. Identification of the *Pseudomonas aeruginosa* Vfr DNA binding site. Abstr. Ann. Mtg. American Soc. Microbiol. p.258.

Runyen-Janecky, L. J., M. Hong, and S. M. Payne. 1998. Identification of a virulence plasmid-encoded *impB* homologue in *Shigella flexneri* which confers UV resistance. Abstr. Ann. Mtg. American Soc. Microbiol. p.230.

West, S. and L. Runyen-Janecky. 1998. Structure-function analysis of Vfr, a global regulator in *Pseudomonas aeruginosa*. Proc. 12th Ann. N. American Cystic Fibrosis Conf. Abstr.168.

Runyen-Janecky, L. J., A. M. Albus, B. H. Iglewski, and S. E. H. West. 1996. The transcriptional activator Vfr binds to two apparently different binding sites in the promoters of *P. aeruginosa* virulence genes. Abstr. Ann. Mtg. American Soc. Microbiol. p.160.

Runyen-Janecky, L. J., and S. E. H. West. 1995. Molecular studies of exotoxin A expression in *Pseudomonas aeruginosa*. Abstr. Ann. Mtg. American Soc. Microbiol. p.235.

MacGregor, C. H., L. J. Runyen-Janecky, N. A. Zielinski, P. V. Phibbs, Jr., and S. E. H. West. 1995. The *vfr* gene, a member of the *crp* family, is not required for catabolite repression control in *Pseudomonas aeruginosa*. Abstr. Ann. Mtg. American Soc. Microbiol. p.546.

Runyen-Janecky, L. J., A. K. Sample, T. C. Maleniak, and S. E. H. West. 1995. *Pseudomonas aeruginosa vfr* and an upstream ORF are transcribed from divergent promoters. Abstr. 2nd Ann. Bacterial Pathogenesis Mtg.

Runyen-Janecky, L. J., A. K. Sample, and S. E. H. West. 1994. A Crp-like gene is involved in the regulation of exotoxin A, RegA, and protease expression in *Pseudomonas aeruginosa*. Abstr. Ann. Mtg. American Soc. Microbiol. p.96.

References:

Available upon request.