

Gregg D. Jongeward
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Education

California Institute of Technology, Ph.D. 5/15/93, Biology
University of Minnesota, B.S. 1986, Genetics and Cell Biology, *summa cum laude*

Research and Professional Experience

2005-present Associate Professor and Chair, Department of Biological Sciences,
University of the Pacific, Stockton, Cal.
2002-2005 Associate Professor, Department of Biological Sciences, University of the
Pacific, Stockton, Cal.
1996-2002 Assistant Professor, University of the Pacific, Stockton, Cal.
1993-1996 Post-Doctoral Fellow with Dr. Harold Varmus and Dr. Cynthia Kenyon,
University of California-San Francisco
1987-1993 Graduate Student with Dr. Paul Sternberg, California Institute of
Technology
1986-1987 Graduate Rotation with Dr. Scott Emr, California Institute of Technology
1985-1986 Undergraduate Thesis with Dr. Michael Simmons, University of
Minnesota
1985-1986 Research Assistant with Dr. Frank Enfield, University of Minnesota

Teaching Experience

1996-present Principles of Biology (Biol 51)
Principles of Biology (Biol 61)
Genetics (Biol 101)
Human Biology and Medicine (Biol 22)
Developmental Biology (Biol 244)
Elements of Biochemistry (Biol 169)
Embryology and Development (Biol 165)
1996 Instructor, University of California-Berkeley Summer Sessions
(Integrative Biology)
1989-1991 Head *C. elegans* Teaching Assistant, Biology 122 and Biology 123,
Introductory Genetics and Genetics Laboratory, California Institute of
Technology
-designed, wrote and supervised three new lab exercises
-delivered lectures before the lab
1987-1988 Teaching Assistant, Biology 122 and Biology 123, Introductory
Genetics and Genetics Laboratory, California Institute of Technology

External Grants and Fellowships

Co-PI on 2 NSF-RUI grants (1999-2002 and 2006-2010), totaling over \$500,000

Honors and Awards

June 1993-June 1996 Fellow of the American Cancer Society

May 1999 Holmok Cancer Research Grant

Memberships and Offices Held

Genetics Society of America

Association for Biology Laboratory Education

Micke Grove Zoological Society Board of Directors (Elected 1999 to a 3 year term)

Primary Publications in Refereed Journals

Modzelewska K, Elgort MG, Huang J, Jongeward G, Lauritzen A, Yoon CH, Sternberg PW, Moghal N. (2007). An activating mutation in *sos-1* identifies its Dbl domain as a critical inhibitor of the EGFR pathway during *C. elegans* vulval development. *Molecular and Cellular Biology* **27(10)**: 3695-3707.

Nguyen, L., Round, J., O'Connell, R., Geurts, P., Funes-Duran, M., Wong, J., Jongeward, G., and Vierra, CA. (2001). Isolation and characterization of the activated B-Cell Factor 1 homolog in *Caenorhabditis elegans*. *Nucleic Acids Research* **29(21)**:3323-32.

Maloof J.N., Whangbo J., Harris J.M., Jongeward G.D., and Kenyon C. (1999). A Wnt signaling pathway controls *hox* gene expression and neuroblast migration in *C. elegans*. *Development* **126(1)**: 37-49

Yoon C.H., Lee J., Jongeward G.D., and Sternberg P.W. (1995). Similarity of *sli-1*, a regulator of vulval development in *C. elegans*, to the mammalian proto-oncogene *c-cbl*. *Science* **269(5227)**:1102-1105.

Jongeward G.D., Clandinin T.R., and Sternberg P.W. (1995). *sli-1*, a negative regulator of *let-23*-mediated signaling in *C. elegans*. *Genetics* **139(4)**:1553-1566.

Lee J.*, Jongeward G.D.*, and Sternberg P.W. (1994). *unc-101*, a gene required for many aspects of *Caenorhabditis elegans* development and behavior, encodes a clathrin-associated protein. *Genes and Development*, **8(1)**:60-73. (*equal contributors).

Bedwell D.M., Strobel S.A., Yun K., Jongeward G.D., and Emr S.D. (1989). Sequence and structural requirements of a mitochondrial protein import signal defined by saturation cassette mutagenesis. *Molecular and Cellular Biology*, **9(3)**:1014-1025

Symposium Proceedings and Book Chapters

Sternberg P.W., Lesa G., Lee J., Katz W.S., Yoon C., Clandinin T.R., Huang L.S., Chamberlin H.M., Jongeward G. (1995). LET-23-mediated signal

transduction during *Caenorhabditis elegans* development. *Molecular Reproduction and Development*, **42(4)**:523-528

Sternberg P.W., Yoon C.H., Lee J., Jongeward G.D., Kayne P.S., Katz W.S., Lesa G., Liu J., Golden A., Huang L.S., and Chamberlin, H. (1994). Molecular genetics of proto-oncogenes and candidate tumor suppressors in *Caenorhabditis elegans*. *Cold Spring Harbor Symposium on Quantitative Biology* **59**:155-163.

Sternberg P.W., Hill R.J., Jongeward G., Huang L.S., and Carta L. (1992). Intercellular signaling during *Caenorhabditis elegans* vulval induction. *Cold Spring Harbor Symposium on Quantitative Biology* **57**:353-362

Sternberg, P.W., Hill, R.J., Jongeward, G.D., Aroian, R., Han, M., Mendel, J., and Holboke, A. (1989). Pattern formation during *C. elegans* vulval induction. *UCLA Symposia on Molecular and Cellular Biology*. **125**: 185-196. (E.H. Davidson, J.V. Ruderman, J.W. Posakony, eds.). New York: Wiley-Liss.