

JEFFREY D. LANEY

Curriculum Vitae

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EDUCATION

Florida State University, Tallahassee, Florida
Departments of Chemistry and Biological Sciences
Bachelor of Science, *cum laude*, Biochemistry, 1989
Bachelor of Science, *cum laude*, Biological Sciences, 1989

Yale University, New Haven, Connecticut
Department of Molecular Biophysics and Biochemistry
Master of Philosophy, 1994
Doctor of Philosophy, 1995

PROFESSIONAL EXPERIENCE

Graduate Student (Advisor: Mark Biggin, Ph.D.)
Department of Molecular Biophysics and Biochemistry
Yale University, New Haven, CT
1990-1995

Postdoctoral Fellow (Advisor: Daniel Gottschling, Ph.D.)
Department of Molecular Genetics and Cell Biology
University of Chicago, Chicago, IL
1996

Research Scientist
Institute of Bone & Joint Disorders and Cancer
Bayer Corporation—Pharmaceutical Division, West Haven, CT
1996-1997

Visiting Scientist
Department of Therapeutic Radiology
Yale University, New Haven, CT
1997

Postdoctoral Fellow (Advisor: Mark Hochstrasser, Ph.D.)

Department of Biochemistry and Molecular Biology
University of Chicago, Chicago, IL
Department of Molecular Biophysics and Biochemistry
Yale University, New Haven, CT
1997–2002

Assistant Professor
Department of Molecular Biology, Cell Biology, and Biochemistry
Brown University, Providence, RI
2002–Present

HONORS AND AWARDS

Brautlecht Scholar, Florida State University Department of Chemistry,
1988–1989
Fischer Research Fellowship, American Cancer Society (Florida Division),
1988
Golden Key Honor Society, 1988
American Chemical Society Award in Analytical Chemistry, 1988
American Institute of Chemists Award in Biochemistry, 1989
Bachelor of Science, *cum laude*, 1989
American Cancer Society Postdoctoral Fellow, 1997–2000
Basil O'Connor Starter Scholar Award, March of Dimes, 2005–2007

PUBLICATIONS

Laney, J.D. and Biggin, M.D. (1992). *zeste*, a nonessential gene, potently activates *Ultrabithorax* transcription in the *Drosophila* embryo. *Genes & Dev.* 6, 1531–1541.

Laney, J.D. and Biggin, M.D. (1996). Redundant control of *Ultrabithorax* by *zeste* involves functional levels of Zeste protein binding at the *Ultrabithorax* promoter. *Development* 122, 2303–2311.

Laney, J.D. and Biggin, M.D. (1997). Zeste-mediated activation by an enhancer is independent of cooperative DNA binding in vivo. *Proc. Natl. Acad. Sci.* 94, 3602–3604.

Laney, J.D. and Hochstrasser, M. (1999). Substrate targeting in the ubiquitin system. *Cell* 97, 427–430.

Hochstrasser, M., Johnson, P.R., Arendt, C.S., Amerik, A.Yu., Swaminathan, S., Swanson, R., Li, S.J., **Laney, J.**, Pals-Rylaarsdam, R., Nowak, J., Connerly,

P.L. (1999). The *Saccharomyces cerevisiae* ubiquitin–proteasome system. *Philos. Trans. R Soc. Lond B Biol. Sci.* 354, 1513–1522.

Laney, J.D. and Hochstrasser, M. (2002). Assaying protein ubiquitination in *S. cerevisiae*. *Methods Enzymol.* 351, 248–257.

Hur, M.–W., **Laney, J.D.**, Jeon, S.–H., Ali, J., Biggin, M.D. (2002). Zeste maintains repression of *Ultrabithorax* transgenes: support for a new model of Polycomb repression. *Development* 129, 1339–1343.

Laney, J.D. and Hochstrasser, M. (2002). Analysis of protein ubiquitination. *Current Protocols in Protein Science* 14.5.1–14.5.11.

Laney, J.D. and Hochstrasser, M. (2003). Ubiquitin–dependent degradation of the yeast Mat α 2 repressor enables a switch in developmental state. *Genes & Dev.*, 17, 2259–2270.

Subject of Perspective, *Genes & Dev.* 17, 2201–2204 (2003).

Subject of Dispatch, *Curr. Biol.* 14, R11–R13 (2004).

Laney, J.D. and Hochstrasser, M. Ubiquitin–dependent control of development in *Saccharomyces cerevisiae*. *Curr. Opin. Micro.* 7, 647–654.

Laney, J.D., Mobley, E.F., Hochstrasser, M. (2006). The short–lived Mat α 2 transcriptional repressor is protected from degradation in vivo by interactions with its co–repressors Tup1 and Ssn6. *Mol. Cell. Biol.* 26, 371–380.