

CURRICULUM VITAE
Douglas L. Wendell

Department of Biological Sciences
Oakland University
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Education and Training

Postdoctorate, 1994-1997, University of Wisconsin, Madison (with J. Gorski)
Ph.D., Genetics, 1994, University of California, Davis (with L. Bisson)
B.S., Agriculture, 1987, University of Nebraska-Lincoln

Professional Employment

2004- Associate Professor, Department of Biological Sciences, Oakland University
1998-2004 Assistant Professor, Department of Biological Sciences, Oakland University
1997 Assistant Scientist, Department of Biochemistry, University of Wisconsin-Madison
1994-96 Research Associate, Department of Biochemistry, University of Wisconsin-Madison
1991-93 Research Assistant, Department of Viticulture and Enology, University of California, Davis
1987-91 Research Assistant, Department of Genetics, University of California, Davis

External Grants

“Attenuation of Estrogen-Induced Cell Proliferation.” National Institutes of Health grant # 1 R15 DK064675-01. July 1, 2003 - March 31, 2006. Total Award \$145,000. Role: Principle Investigator
“A student-accessible model for human genetics using Fast Plants and microsatellite markers.” National Science Foundation Grant # 0340910. May 1, 2005 – April 30, 2006. Total award \$75,000. Role: Principle Investigator
“Estrogen-Dependent Pituitary Tumor Growth and Angiogenesis” subcontract of National Institutes of Health grant # RO1-CA71911. Jan. 1, 1998 - July 31, 2001. Total costs \$ 185,000 Role: Principal Investigator on subcontract

Honors and Awards:

Time Magazine 2006 Person of the Year (along with everyone else)
NIH Postdoctoral Fellowship, University of Wisconsin-Madison, 1995.
Wine Spectator Fellowship, University of California, Davis, 1991-1993.

Peer-Reviewed Publications

Wendell, D.L., A. Platts, and S. Land, 2006. Global analysis of gene expression in the estrogen induced pituitary tumor of the F344 rat. *Journal of Steroid Biochemistry and Metabolism*, in press.
Pandey, J. and **D.L. Wendell**, 2006. Angiogenesis and capillary maturation phenotypes associated with the *Edpm3* locus on rat Chromosome 3. *Mammalian Genome* 17: 49-57.
Pandey, J., K.A. Gould, R.D. McComb, J.D. Shull, **D.L. Wendell**, 2005 Localization of *Eutr2*, a locus controlling susceptibility to DES-induced uterine inflammation and pyometritis, to proximal RNO5 using a congenic rat strain. *Mammalian Genome*, 16: 865-872.
Gould, K.A., J. Pandey, C.M. Lachel, C. R. Murrin, L. A. Flood, K.L. Pennington, B.S. Schaffer, M. Tochacek, R.D. McComb, J.L. Meza, **D.L. Wendell**, J.D. Shull, 2005 Genetic mapping of *Eutr1*, a locus controlling E2-induced pyometritis in the Brown Norway rat, to RNO5. *Mammalian Genome*, 16: 854-864.
Pandey, J., A. Bannout, **D.L. Wendell**, 2004. The *Edpm5* locus prevents the “angiogenic switch” in estrogen-induced pituitary tumors. *Carcinogenesis* 25: 1829-1838

- Pandey, J., D. Cracchiolo, F.M. Hansen, **D.L. Wendell**, 2002. Strain differences and inheritance of angiogenic *versus* angiostatic activity in oestrogen-induced rat pituitary tumours. *Angiogenesis* 5: 53-66.
- Wendell, D.L.**, J. Pandey, P. Kelley, 2002. A congenic strain of rat for investigation of estrogen-induced growth. *Mammalian Genome* 13: 664-666.
- Cracchiolo, D., J.W. Swick, L. McKiernan, S. Raina, E. Holman, C. Sloan, and **D.L. Wendell**, 2002. Estrogen-dependent growth of a rat pituitary tumor involves, but does not require, a high level of vascular endothelial growth factor. *Experimental Biology and Medicine* 227: 492-499.
- Sclafani, R.V., and **D.L. Wendell**, 2001. Suppression of estrogen-dependent MMP-9 expression by *Edpm5*, a genetic locus for pituitary tumor growth in rat. *Molecular and Cellular Endocrinology*, 176: 145-153.
- Wendell, D.L.**, S. Daun, M. Stratton, and J. Gorski, 2000. Different functions of QTL for estrogen-dependent tumor growth of the rat pituitary. *Mammalian Genome*, 11: 865-861.
- Chun, T.-Y., **D. Wendell**, D. Gregg, and J. Gorski, 1998. Estrogen-induced rat pituitary tumor is associated with loss of retinoblastoma susceptibility gene product. *Molecular and Cellular Endocrinology*, 146: 87-92.
- Wendell, D.L.**, and J. Gorski, 1997. Quantitative trait loci for estrogen-dependent pituitary tumor growth in the rat. *Mammalian Genome*, 8: 823-829.
- Wendell, D.L.**, A. Herman, and J. Gorski, 1996. Genetic separation of tumor growth and hemorrhagic phenotypes in an estrogen-induced tumor. *Proc. Nat'l. Acad. Sci. U.S.A.*, 93: 8112-8116.
- Gregg, D., E. Goedken, M. Galkin, **D. Wendell**, and J. Gorski, 1996. Decreased expression of carboxypeptidase E protein is correlated to estrogen-induction of rat pituitary tumors. *Molecular and Cellular Endocrinology* 117: 219-225.
- Wendell, D.L.** and L.F. Bisson, 1994. Expression of high-affinity glucose transport protein Hxt2p of *Saccharomyces cerevisiae* is both repressed and induced by glucose and appears to be regulated posttranslationally. *Journal of Bacteriology* 176: 3730-3737.
- Wendell, D.L.** and L. F. Bisson, 1993. Physiological characterization of high-affinity glucose transport protein Hxt2 of *S. cerevisiae* by use of anti-synthetic peptide antibodies. *Journal of Bacteriology* 175: 7689-7696.
- Narva, K. E., **D. L. Wendell**, M. P. Skrdla, and J. L. VanEtten, 1987 Molecular cloning and characterization of the gene encoding the DNA methyltransferase, M_CviBIII, from *Chlorella* virus NC-1A. *Nucleic Acids Research* 15: 9807-9823.

Other Publications

- Gorski, J., **D. Wendell**, D. Gregg, and T.-Y. Chun, 1996. Estrogens and the genetic control of tumor growth. *In Progress in Clinical and Biological Research* (John Wiley & Sons, Inc., New York).
- Coons, D., **D. Wendell**, and L. Bisson, 1993. High affinity glucose uptake in *Saccharomyces cerevisiae*. *Proceedings of the 11th Annual Small Meeting on Yeast Transport and Energenics*.

Teaching Experience (Oakland University)

- Genetics (BIO 341), 4 cr., required course for Biology majors. Fundamentals of classical and molecular genetics. Selected topics in human genetics, microbial genetics, and genomics.
- Genetics Laboratory (BIO 342), 1 cr., Laboratory experiments in genetics including Mendelian genetics and molecular genetics. Principles of hypothesis testing and data analysis.
- Human Genetics (HC208), 4 cr., This was a course I created for the Honors College; most students were *not* biology majors. Understanding of the inheritance and mechanisms genetic diseases and how genetics research is applied to human health.
- Biology (BIO 111), 4 cr. required course for Biology majors and pre medical and other pre-health professional students. Chemistry of life, cell structure and function, and genetics; first of two-semester introductory series.

Biology (BIO 113), 4 cr. required course for Biology majors. Introduction to the structure and function of bacteria, protists, plants, fungi, and animals; introduction to evolution and systematics; organism form and function; major systems of animal physiology; second of two-semester introductory series.

Directed Readings in Biology (BIO 405), 2-4 cr. Term paper based on library research of a current research-oriented biological topic. Can be used for fulfillment of their Senior Paper requirement.

Independent Research (BIO 490), 2-4 cr. Directed individual undergraduate research in laboratory biology independent research. Can be used for fulfillment of their Senior Paper requirement.

Doctoral Student Trained

Jyotsna Pandey, Ph.D. in Biomedical Sciences, 2003.

Service as Faculty Member at Oakland University

Institutional Animal Care and Use Committee, chair 2005 - present.
University Senate Budget Review Committee, member, 2004 - present.
Biological Sciences Graduate Committee, 2004 - present.
Biological Sciences Dept. Executive Committee, 1999-2002 ; 2004.
Biological Sciences Dept. Technology Committee, 2004 - 2005.
Institutional Animal Care and Use Committee, member 1998 - 2005.
University Senate, Fall Semester 2002, Fall Semester 2003, Fall Semester 2005.
College of Arts and Sciences Assembly, Fall Semester 2003
Biological Sciences Dept. Curriculum Committee, 2001-2004.
College of Arts and Sciences Graduate Studies Committee, 2001-2003
Search Committee for Plant Biology Faculty Position, Sept. 1999-May 2001.
Search Committee for Department Laboratory Manager, Oct.-Dec. 2000.
Grant Proposal Committee for HHMI fellowship program Fall 2000.
Biological Sciences Seminar Coordinator, 1999 - 2003.