

**CURRENT POSITION**

Assistant Professor  
School of Natural Sciences  
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**CONTACT INFORMATION**

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**EDUCATION**

Dec 1998      Ph.D., Department of Molecular and Cell Biology (MCB), University of California, Berkeley.  
Aug 1988      Bachelor of Science in Biology, University of Michigan.

**POSITIONS HELD**

2012-present    Assistant Professor, University of California, Merced  
2005-2011      Associate Investigator, Ernest Gallo Clinic & Research Center  
1999-2005      Postdoctoral Fellow, Department of Anatomy, UCSF. Mentor: **Ulrike Heberlein**.  
1993-1998      Graduate Student, MCB, UC Berkeley. Mentor: **Gian Garriga**.  
1988-1993      Research Assistant and Associate, Department of Pathology, University of Michigan Medical School (UMMS). Supervisor: **Vishva M. Dixit**.  
1986-1988      Undergraduate Research, Department of Pathology, UMMS. Supervisor: Vishva M. Dixit.  
1985-1986      Programmer Analyst, National Superconducting Cyclotron Laboratory, Michigan State University. Supervisor: **Betty Tsang**.

**TEACHING ACTIVITIES**

1996            Teaching Assistant, MCB 140, Genetics, UC Berkeley.  
1994            Teaching Assistant, MCB 142, Survey of Genetics, UC Berkeley.  
1988-1990      Assistant, short course on molecular biology, UMMS.  
1986-1989      Assistant, C programming short course, Engineering Summer Conferences, University of Michigan.  
1988            Assistant, one semester course on the C programming language, College of Engineering, University of Michigan.

**HONORS AND AWARDS**

2002-2003      Neuroscience Postdoctoral Training Grant, Dept Physiology, UCSF.  
1999-2002      Damon Runyon Cancer Research Foundation Fellowship Award.  
1997-1998      Regent's Fellowship, UC Berkeley.  
1987            Student Medical Research Summer Fellowship, UMMS.

**ORAL PRESENTATIONS**

- 2010 Invited talk, Drosophila Research Conference, Washington, DC  
 2008 Invited talk, Blood/Brain Barrier Physiology, Cold Spring Harbor, NY  
 2008 Invited talk, International Behavioural and Neural Genetics Society, Portland, OR  
 2007 Invited talk, Insect Behavior: Small Brains, Big Functions, Janelia Farms, VA  
 2005 Research Society on Alcoholism Conference, Santa Barbara, CA  
 2004 *Drosophila* Research Conference, Washington, DC  
 2003 Invited talk, California Institute of Technology, Pasadena, CA  
 2002 *Drosophila* Research Conference, San Diego, CA  
 2001 Neurobiology of *Drosophila*, Cold Spring Harbor, NY  
 1997 11th International *C. elegans* Meeting, Madison, WI  
 1996 West Coast Worm Meeting, Vancouver, BC

**RESEARCH AWARDS AND GRANTS****Current**

1 R01 AA018799-01 (Wolf) NIH/NIAAA 09/30/09 - 06/30/2014  
 Role of Glia in Ethanol Tolerance in *Drosophila*

**Completed**

5 R01 AA014594-03 (Wolf) NIH/NIAAA 05/12/05 - 10/01/09 (completed)  
 Understanding Chronic Tolerance in *D. Melanogaster*

1 P50 AA017072-01 (Messing) NIH/NIAAA 05/20/08 - 04/30/10 (completed)  
 Alcohol Center for Translational Genetics (ACTG)  
 Pilot Project 9B, Puckered and Decapentaplegic signaling in ethanol behaviors in *Drosophila*  
 Role: Director, Pilot Project 9B

**Submitted**

2 R01 AA014594-05 NIH/NIAAA Submission date: 11/05/2011  
 Sir2-regulated genes in ethanol-related behaviors in *Drosophila*

**PEER REVIEWED PUBLICATIONS**

Joslyn, G., **Wolf, F.W.**, Wu, L., Shuckit, M., and White, R.L. 2011. Glypican Gene GPC5 Participates In The Behavioral Response to Ethanol: Evidence From Humans, Mice and Fruit Flies. *G3: Genes, Genomes, Genetics* 1:627-635.

Devineni, A.V., McClure, K.D., Guarnieri, D.J., Corl, A.B., **Wolf, F.W.**, Eddison, M., and Heberlein, U. 2011. The genetic relationships between ethanol preference, acute ethanol sensitivity, and ethanol tolerance in *Drosophila*. *Fly (Austin)*, PMID: 21750412.

Kong, E.C., Woo, K., Li, K., Lebestky, T., Mayer, N., Sniffen, M.R., Heberlein, U., Bainton, R.J., Hirsh, J., and **Wolf, F.W.** 2010. A pair of dopamine neurons target the D1-like dopamine receptor DopR in the central complex to promote ethanol-stimulated locomotion in *Drosophila*. *PLoS One* 5:e9954.

- Kong, E.C., Allouche, L., Chapot, P.A., Vranizan, K., Moore, M.S., Heberlein, U., and **Wolf, F.W.** 2010. Ethanol-regulated genes that contribute to ethanol sensitivity and rapid tolerance in *Drosophila*. *Alcohol. Clin. Exp. Res.* 32: 895-908.
- Lebestky, T., Chang, J.S., Dankert, H., Zelnik, L., Kim, Y.C., Han, K.A., **Wolf, F.W.**, Perona, P., Anderson, D.J. 2009. Two different forms of arousal in *Drosophila* are oppositely regulated by the dopamine D1 receptor ortholog DopR via distinct neural circuits. *Neuron* 64:522-536.
- Wolf, F.W.**, Eddison, M., Lee, S., Cho, W., and Heberlein, U. 2007. GSK3 / Shaggy regulates olfactory habituation in *Drosophila*. *Proc. Natl. Acad. Sci.* 104:4653-4657.
- Watari-Goshima, N., Ogura, K.I., **Wolf, F.W.**, Goshima, Y. and Garriga, G. 2007. *C. elegans* VAB-8 and UNC-73 regulate the SAX-3 receptor to direct cell and growth cone migrations. *Nat. Neurosci.* 10:169-176.
- Janak, P.H., **Wolf, F.**, Heberlein, U., Pandey, S., Logrip, M., and Ron, D. 2006. BIG News In Alcohol Addiction: New Findings On Growth Factor Pathways BDNF, Insulin, And GDNF. *Alcohol. Clin. Exp. Res.* 30:214-221.
- Fleming, T.C., **Wolf, F.W.**, and Garriga, G. 2005. Sensitized genetic backgrounds reveal a role for *C. elegans* FGF EGL-17 as a repellent for migrating CAN neurons. *Development* 132:4857-4867.
- Heberlein, U., **Wolf, F.W.**, Rothenfluh, A., and Guarnieri, D.G. 2004. Molecular genetic analysis of ethanol intoxication in *Drosophila melanogaster*. *Integr. Comp. Biol.* 44:3-8.
- Cho, W., Heberlein, U., and **Wolf, F.W.** 2004. Habituation of an odorant-induced startle response in *Drosophila*. *Genes Brain Behav.* 3:127-137.
- Wolf, F.W.**, and Heberlein, U. 2003. Invertebrate models of drug abuse. *J. Neurobiol.* 54:161-178.
- Wolf, F.W.**, Rodan, A., Tsai, L. T-Y., and Heberlein, U. 2002. High resolution analysis of ethanol-induced locomotion in *Drosophila*. *J. Neurosci.* 22:11035-11044.
- Wolf, F.W.**, Hung, M-S., Wightman, B., Way, J., Garriga, G. 1998. *vab-8* is a key regulator of posteriorly directed migrations in *C.elegans* and encodes a novel protein with kinesin motor similarity. *Neuron* 20:655-66.
- Tewari, M., **Wolf, F.W.**, Seldin, M.F., O'Shea, K.S., Dixit, V.M., and Turka, L.A. 1995. Lymphoid expression and regulation of A20, an inhibitor of programmed cell death. *J. Immunol.* 154:1699-1706.
- Wolf, F.W.**, Sarma, V., Seldin, M., Drake, S., Suchard, S.J., Shao, H., O'Shea, K.S., and Dixit, V.M. 1994. B94, a primary response gene inducible by tumor necrosis factor-alpha, is expressed in developing hematopoietic tissues and the sperm acrosome. *J. Biol. Chem.* 269:3633-3640.
- Qabar, A.N., Lin, Z.W., **Wolf, F.W.**, O'Shea, K.S., Lawler, J., and Dixit, V.M. 1994. Thrombospondin 3 is a developmentally regulated heparin binding protein. *J. Biol. Chem.* 269:1262-1269.

Sarma, V., **Wolf, F.W.**, Marks, R.M., Shows, T.B., and V.M. Dixit. 1992. Cloning of a novel tumor necrosis factor-alpha inducible primary response gene which is differentially expressed in development and capillary tube-like formation in vitro. *J. Immunol.* 148:3302-3312.

Laherty, C.D., O'Rourke, K., **Wolf, F.W.**, Katz, R., Seldin, M.F., and V.M. Dixit. 1992. Characterization of mouse thrombospondin 2 sequence and expression during cell growth and development. *J. Biol. Chem.* 267:3274-3281.

**Wolf, F.W.**, Marks, R.M., Sarma, V., Byers, M.G., Katz, R.W., Shows, T.B., and V.M. Dixit. 1992. Characterization of a novel tumor necrosis factor-alpha-induced endothelial primary response gene. *J. Biol. Chem.* 267:1317-1326.

Bornstein, P., O'Rourke, K., Wikstrom, K., **Wolf, F.W.**, Katz, R., Li, P., and V.M. Dixit. 1991. A second, expressed thrombospondin gene (Thbs2) exists in the mouse genome. *J. Biol. Chem.* 266:12821-12824.

**Wolf, F.W.**, Eddy, R.L., Shows, T.B., and V.M. Dixit. 1990. Structure and localization of the human thrombospondin gene. *Genomics* 6:685-691.

Dixit, V.M., Green, S., Sarma, V., Holzman, L.B., **Wolf, F.W.**, O'Rourke, K., Ward, P.A., Prochownick, E.V., and R.M. Marks. 1990. Tumor necrosis factor-alpha induction of novel gene products in human endothelial cells including a macrophage-specific chemotaxin. *J. Biol. Chem.* 265:2973-2978.