

CURRICULUM VITAE

Kai Zinn
Professor of Biology
California Institute of Technology, Pasadena, CA

Education:

B.A. in Chemistry with specialization in Biochemistry, *summa cum laude*, from Revelle College, University of California, San Diego (1977).

Ph.D. in Biochemistry and Molecular Biology, from Harvard University (1984). Thesis advisor: Tom Maniatis

Research and Professional Experience:

Postdoctoral Fellow, Harvard University, 1984-1985, with Tom Maniatis

Postdoctoral Fellow, Stanford University and University of California, Berkeley, 1985-1989, with Corey S. Goodman

Assistant Professor, California Institute of Technology, 1989-1995.
Associate Professor, California Institute of Technology, 1995-1999
Professor, California Institute of Technology, 1999-present

Honors and Awards:

National Science Foundation Predoctoral Fellowship 1978-1981
Helen Hay Whitney Foundation Postdoctoral Fellowship 1985-1988
Alfred P. Sloan Research Fellowship in Neuroscience, 1990-1992
McKnight Scholars Award, 1990-1993
Pew Scholars Award, 1990-1994
March of Dimes Foundation Basil O'Connor Starter Scholars Award, 1990-1992
McKnight Investigator Award, 1994-1997
McKnight Brain Disorders Award, 2005-2007

Review activities:

Member of the Editorial Advisory Board for *Development*
Editorial board member for *Molecular and Cellular Neuroscience*
Editorial board member for *Neural Development*
Past member of NIH NDPR study section.

Publications:

Salazar, A.M., Silverman, E.J., and Zinn, K. (2007) Regulation of synaptic Pumilio function by a glutamine/asparagine-rich domain. Manuscript submitted for publication.

Jeon, M., Nguyen, H., Bahri, S., and Zinn, K. (2007). Redundancy and compensation in axon guidance: genetic analysis of the *Drosophila* Ptp10D/Ptp4E receptor tyrosine phosphatase subfamily. Manuscript submitted for publication.

Kurusu, M., and Zinn, K. (2007) Receptor tyrosine phosphatases regulate birth order-dependent axonal fasciculation and midline repulsion during development of the *Drosophila* mushroom body. Manuscript submitted for publication.

Ratnarparkhi, A., and Zinn, K. (2007) The secreted cell signal Folded Gastrulation regulates glial morphogenesis and axon guidance in *Drosophila*. *Developmental Biology* 308, 158-168.

Zinn, K. (2007) Dscam and neuronal uniqueness (Review). *Cell* 129, 455-456.

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Menon, K., Sanyal, S. Habara, Y., Sanchez, R., Wharton, R.P., Ramaswami, M., and Zinn, K. (2004) The translational repressor Pumilio regulates presynaptic morphology and controls postsynaptic accumulation of translation factor eIF-4E. *Neuron* 44, 663-676.

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Dubuque, S.H., Schachtner, J., Nighorn, A.J., Menon, K., Zinn, K., and Tolbert, L.P. (2001) Immunolocalization of synaptotagmin for the study of synapses in the developing antennal lobe of *Manduca sexta*. *J. Comp. Neurol.* 441, 277-287.

Schindelholz, B., Knirr, M., Warrior, R., and Zinn, K. (2001) Regulation of CNS and motor axon guidance in *Drosophila* by the receptor tyrosine phosphatase DPTP52F. *Development* 128, 4371-4382.

Kraut, R., Menon, K., and Zinn, K. (2001) A gain-of-function screen for genes controlling motor axon guidance and synaptogenesis in *Drosophila*. *Current Biology* 11, 417-430. (plus an online supplement, pp. S1-S24).

Sun, Q., Schindelholz, B., Knirr, M., Schmid, A., and Zinn, K. (2001) Complex genetic interactions among four receptor tyrosine phosphatases regulate axon guidance in *Drosophila*. *Molecular and Cellular Neuroscience* 17, 274-291.

Sun, Q., Bahri, S., Schmid, A., Chia, W., and Zinn, K. (2000) Receptor tyrosine phosphatases regulate axon guidance across the midline of the *Drosophila* embryo. *Development* 127, 801-812.

Zinn, K., and Schmid, A. (1999). Derailed axons get on track. (Review) *Nature* 402, 475-476.

Garrity, P.A., Lee, C-H., Salecker, I., Robertson, H., Desai, C.J., Zinn, K., and Zipursky, S.L. (1999) The *Drosophila* receptor protein tyrosine phosphatase DPTP69D is required for target selection by retinal axons. *Neuron* 22, 707-717.

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