

Cedric S. Wesley
Assured Science Exchange, Inc.
P. O. Box 260196
Madison, Wisconsin, USA 53726-0196

A developmental geneticist with more than 35 years of experience conducting scientific research and publishing primary research data in university settings.

Scientific Training

PhD- Population Genetics and Evolutionary Biology
State University of New York at Stony Brook, New York, USA

Post-doctoral training- Molecular Developmental Genetics
Rockefeller University, New York, New York, USA

Scientific Publications

Zhang, Z., J. C. Yin, and **C. S. Wesley***. 2015. Notch intracellular domain (NICD) suppresses long-term memory formation in *Drosophila* flies. *Cell. Mol. Neurobiol.* DOI 10.1007/s10571-015-0183-9. <http://link.springer.com/article/10.1007%2Fs10571-015-0183-9>

Wesley, C. S*. 2015. Lessons from a failed γ -secretase Alzheimer trial. Feb. 17. Comments. Alzforum (www.alzforum.org). <http://www.alzforum.org/papers/lessons-failed-g-secretase-alzheimer-trial-comment-16181>

Heimiller, J., V. Sridharan, J. Huntley, **C. S. Wesley**, and R. Singh. 2014. *Drosophila* polypyrimidine tract-binding protein (DmPTB) regulates dorso-ventral patterning genes in embryos. *PLoS One* 9(7): e98585. Doi: 10.1371/journal.pone.0098585 <http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0098585>

Zhang, Z., J. C. Yin, and **C. S. Wesley***. 2013. From *Drosophila* development to adult: clues to Notch function in memory. *Front Cell Neurosci.* 7: 222. doi: 10.3389/fncel.2013.000222. (*Corresp. Author). http://www.frontiersin.org/Cellular_Neuroscience/10.3389/fncel.2013.00222/abstract

Zhang, Z., C. Little, D. Tremmel, J. C. Yin, and **C. S. Wesley***. 2013. Notch-inducible hyperphosphorylated CREB and its ultradian oscillation in long-term memory formation. *J. Neuroscience* 33: 12825-12834. (Primary Corresp. Author). <http://www.ncbi.nlm.nih.gov/pubmed/23904617>

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Shepherd A, Ravinder Singh, and **C. S. Wesley***. 2009. Notch mRNA expression in *Drosophila* embryos is negatively regulated at the level of mRNA 3' processing. *PLoS One* 4: e8063. (* = Corresp. author). <http://www.plosone.org/article/info:doi/10.1371/journal.pone.0008063>

LeComte, M., U. Wesley, L-P. Mok, and **C. S. Wesley***. 2006. Evidence for the involvement of dominant negative Notch molecules in the normal course of *Drosophila* development. *Dev. Dyn*. 235: 411-426. (* = Corresp. author). <http://www3.interscience.wiley.com/cgi-bin/fulltext/112169984/HTMLSTART>

Bardot, B., L-P. Mok, T. Thayer, F. Ahimou, and **C. S. Wesley***. 2005. The Notch amino terminus regulates protein levels and Delta-induced clustering of *Drosophila* Notch receptors. *Exp. Cell Res*. 304: 202-223. (* = Corresp. author). <http://www.ncbi.nlm.nih.gov/pubmed/15707586?dopt=Abstract>

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Powell, P. A.[#], **C. S. Wesley[#]**, S. Spencer, and R. L. Cagan. 2001. Scabrous complexes with Notch to mediate boundary formation. *Nature* 409: 626-30 ([#] = equal authorship). Correction for error in authorship notation in *Nature*: 410: 718. <http://www.nature.com/nature/journal/v409/n6820/abs/409626a0.html;jsessionid=1977CFD9616658C66B9C3743F8E69725>

Wesley, C. S* and L. Saez. 2000. Notch responds differently to Delta and Wingless in cultured *Drosophila* cells. *J. Biol. Chem*. 275 (13): 9099-9101 (* = Corresp. author). <http://www.jbc.org/cgi/content/full/275/13/9099>

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Myers, M. P., K. Wager-Smith, **C. S. Wesley**, M. W. Young, and A. Sehgal. 1995. Positional cloning and sequence analysis of the *Drosophila* clock gene, *timeless*. *Science* 270: 805-808.

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Viraktamath, C. A. and **C. S. Wesley**. 1988. Revision of the Nirvaninae (Homoptera: Cicadellidae of the Indian Subcontinent. *Great Basin Naturalist Memoirs*, 12 : 182-223.

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