

Dr. Allison Abbott's Publications

- 2010** Brenner, J.L., Jasiewicz, K.L., Fahley, A.F., Kemp, B.J., and Abbott, A.L. 2010. Loss of individual microRNAs causes mutant phenotypes in sensitized genetic backgrounds in *C. elegans*. *Current Biology* 20:1321-1325. (this paper has been cited 3 times as of 12/18/10, journal impact factor 11.0)
- 2007** *Miska E.A., *Alvarez-Saavedra E., *Abbott A.L., Lau N.C., Hellman, A.B, McGonagle, S.M., Bartel D.P., Ambros V, Horvitz H.R. Most *Caenorhabditis elegans* microRNAs are individually not essential for development or viability. *PLoS Genet* 3(12): e215, doi:10.1371/journal.pgen. 0030215.eor. * authors contributed equally
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- At Marquette University
- 2005** Abbott, A.L., E. Alvarez-Saavedra, E.A. Miksa, N.C. Lau, D.P. Bartel, D.P., H.R. Horvitz and V. Ambros, V. 2005. The *let-7* microRNA family members *mir-48*, *mir-84*, and *mir-241* function together to regulate developmental time in *Caenorhabditis elegans*. *Develop. Cell*, 9:403-14.
- 2003** Abbott, A.L. 2003. Heterochronic genes. *Current Biology*, 13:R824-25.
- Markoulaki, S., S. Matson, A.L. Abbott and T. Ducibella. 2003. Oscillatory CaMKII activity in mouse egg activation. *Develop. Biol.*, 258:464-74.
- 2002** Smyth, J.T., A.L. Abbott, B. Lee, I. Sienaert, N.N. Kasri, H. De Smedt, T. Ducibella, L. Missiaen, J.B. Parys and R.A. Fissore. 2002. Inhibition of the inositol triphosphate receptor of mouse eggs and A7r5 cells by KN-93 via a mechanism unrelated to Ca²⁺/calmodulin-dependent protein inase II antagonism. *J. of Biol. Chem.*, 277:35061-70.
- 2001** Abbott, A.L., R.A. Fissore and T. Ducibella. 2001. Identification of a translocation deficiency in cortical granule secretion in preovulatory mouse oocytes. *Biol. of Reprod.*, 65:1640-7.
- Abbott, A.L. and T. Ducibella. 2001. Calcium and control of mammalian cortical granule exocytosis. *Frontiers in Bioscience*, 6:D792-806.
- 1999** Abbott, A.L. R.A. Fissore and T. Ducibella. 1999. Incompetence of pre-ovulatory mouse oocytes to undergo cortical granule exocytosis following induced calcium oscillations. *Develop. Biol.*, 207:38-48.
- 1998** Abbott, A.L., Z. Xu, G.S. Kopf, T. Ducibella and R.M. Schultz. 1998. *In vitro* culture retards spontaneous activation of cell cycle progression and cortical granule exocytosis that normally occur in *in vivo* fertilized mouse eggs. *Biol of Reprod.*, 59:1515-21.
- 1997** Xu, Z., A.L. Abbott, G.S. Kopf, R.M. Schultz and T. Ducibella. 1997. Spontaneous activation of ovulated mouse eggs: time-dependent effects on M-phase exit, cortical granule exocytosis, maternal messenger ribonucleic acid recruitment, and inositol 1,4,5-Trisphosphate sensitivity. *Biol. of Reprod.*, 57:743-50.