

## Dr. James Anderson's Publications

- 2009** Anderson, J. T., Wang, X. Nuclear RNA Surveillance: No sign of substrates tailing off. *Critical Reviews of Biochemistry and Molecular Biology*, Feb 2009.
- 2008** Ozanick, Sarah, X. Wang, M. Costanzo, R. Brost, C. Boone, J.T. Anderson. 2008. Rex1p deficiency leads to accumulation of initiator tRNA<sup>Met</sup> and polyadenylation of substrate RNAs in *Saccharomyces cerevisiae*. *Nucleic Acids Research*, Epub Nov. 28, 2008.
- 2007** Ozanick, S., D. Sem, J. Bujnicki, J. Anderson. 2007. Conserved amino acids in each subunit of the heterologomeric tRNA m1A Mtase in *Saccharomyces cerevisiae* contribute to tRNA binding. *Nucleic Acids Research*, 35:(20) 6808-6818.
- Wang X., J. Huijue, E. Jankwosky, J. Anderson.. 2007. Degradation of hypomodified tRNA<sup>iMet</sup> involves the ATPase activity of the DEXH helicase Mtr4p. *RNA*, 14:107-116.
- Schneider, C., J. Anderson, D. Tollervey. 2007. The exosome subunit Rrp44p plays a direct role in RNA substrate recognition. *Molecular Cell*, 27:324-331.
- Cingakham, R.S., U. Tsuyoshi, Bumjun, S. Wassink, H. Hui, Y.Yamamoto, J.T. Anderson, G.D. Pavitt, A. Katsura. 2007. Changes in nutritional status modulates the abundance of critical pre-initiation intermediate complexes during translation initiation in vivo. *J. Mol Biol* July 6, 370(2) 315-330.
- 2006** S. Kadaba, X. Wang and J. T. Anderson. 2006 Nuclear RNA surveillance in *Saccharomyces cerevisiae*: Trf4p-dependent polyadenylation of nascent hypomethylated tRNA and an aberrant form of 5S rRNA. *RNA* March 12(3). 508-521.
- 2005** Ozanick, S., A. Krecic, J. Andersland and J.T. Anderson. 2005. The bipartite structure of the tRNA m1A58 methyltransferase from *S. cerevisiae* is conserved in humans. *RNA*. Aug;11(8):1281-90.
- 2004** Kadaba, S., A. Krueger, T.Trice, A. Krecic, A. G. Hinnebusch, J.T. Anderson. 2004 Nuclear Surveillance and Degradation of Hypomodified Initiator tRNA<sup>Met</sup> in *S. cerevisiae*. *Genes and Devel*, 18(11) 1227-1240.
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- At Marquette University
- 2000** Qiu, H., H. Cuihua, J.T. Anderson, G. Björk, S. Srimonti, A. Hopper and A.G. Hinnebusch. 2000. Defects in tRNA processing and nuclear export induce *GCN4* translation independently of phosphorylation of the  $\alpha$  subunit of eukaryotic translation initiation factor 2. *Mol. Cell Biol.*, 20:2505-2516.
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- 1992-93** Anderson, J.T., S.M. Wilson, K.V. Datar and M.S. Swanson. 1993. NAB2: a yeast nuclear polyadenylated RNA-binding protein essential for cell viability. *Mol. Cell Biol.*, 13:2730-2741.
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