

CONJOINT 541
March 26, 2007
Translational Control of Gene Expression
Biology and Experimental Analysis

- Mathews, M.B., Sonenberg, N., and Hershey, J.W.B. (2000) Origins and Principles of Translational Control. In "Translational Control" (Sonenberg, N., Hershey, J.W.B., and Mathews, M.B., eds.), Cold Spring Harbor Press, pages 1-31.
The excellent introduction to a book that contains more than anyone wants to know about translation.
- Preiss, T., and Hentze, W. (2003) Starting the protein synthesis machine: eukaryotic translation initiation. *Bioessays* **25**, 1201-1211.
An up-to-date review of translational control.
- Ruan, H., Brown, C.Y., and Morris, D.R. (1997) Analysis of Ribosome Loading onto mRNA Species: Implications for Translational Control. In "mRNA Formation and Function" (J.Richter, ed.), pages 305-321.
Theoretical and practical guide to polysome analysis.
- Pradet-Balade, B., Boulme, F., Beug, H., Mullner, E.W., and Garcia_Sanz, J.A. (2001) Translation control: bridging the gap between genomics and proteomics? *Trends Biochem Sci.* **26**, 225-229.
A discussion of high-throughput analysis of translation.
- Law, G.L., Bickel, K.S., MacKay, V.L., and Morris, D.R. (2005) The under-translated transcriptome reveals widespread translational silencing by alternative 5' transcript leaders. *Genome Biol.* **6**, R111.
Recent paper on genome-wide analysis of mRNA translation

*** PDFs of references and PowerPoint presentations are on Dr. Morris' lab web site ***
 (<http://faculty.washington.edu/dmorris/>)

