

Publications, Pan Li

- Li, P.T.X. and Tinoco, I., Jr. (2009) Mechanical unfolding of two DIS RNA kissing complexes from HIV-1. *J. Mol. Biol.*, 386, 1343-56.
- Li, P.T.X. and Tinoco, I., Jr. (2009) Thermodynamics and kinetics of RNA unfolding and refolding. In Walter, N, Woodson, SA and Batey, R., "Non-Protein Coding RNAs" Springer Series in Biophysics, vol. 13.
- Li, P.T.X., Viereg, J. and Tinoco, I., Jr. (2008) How RNA unfolds and refolds. *Annu. Rev. Biochem.* 77, 27.1-27.4
- Li, P.T.X., Bustamante, C., and Tinoco, I., Jr. (2007) Real-time control of the energy landscape by force directs the folding of RNA molecules. *Proc. Natl. Acad. Sci. U.S.A.* 104, 15847-15852
- Wen, J.-D., Manosas, M., Li, P.T.X., Smith, S.B., Bustamante, C., Ritort, F., and Tinoco, I., Jr. (2007) Force unfolding kinetics of RNA using laser tweezers. I. Effects of experimental variables on measured results. *Biophys. J.* 92, 2996-3009
- Manosas, M., Wen, J.-D., Li, P.T.X., Smith, S.B., Bustamante, C., Tinoco, I., Jr., and Ritort, F. (2007) Force unfolding kinetics of RNA using laser tweezers. II. Modeling experiments. *Biophys. J.* 92, 3010-21
- Tinoco, I., Jr., Li, P.T.X., and Bustamante, C. (2006) Determination of thermodynamics and kinetics of RNA reactions by force. *Q. Rev. Biophys.* 39, 325-360
- Li, P.T.X., Smith, S.B., Bustamante, C., and Tinoco, I., Jr. (2006) Probing the mechanical folding of TAR RNA by hopping, force-jump and force-clamp methods. *Biophys. J.* 90, 1-11
- Li, P.T.X., Bustamante, C., and Tinoco, I., Jr. (2006) Unusual mechanical stability of a minimal RNA kissing complex. *Proc. Natl. Acad. Sci. U.S.A.* 103, 7039-44
- Tinoco, I. Jr., Collin, D., Li, P.T.X. 2004. The effect of force on thermodynamics and kinetics: unfolding single RNA molecules. *Biochem. Soc. Transactions* 32: 757-60.
- Li, P.T.X. & Gollnick, P. 2004. Characterization of a trp RNA-binding attenuation protein (TRAP) mutant with tryptophan independent RNA binding activity. *J. Mol Biol.* 335: 707-22.
- Li, P.T.X. & Gollnick, P. 2002. Using hetero-11-mers composed of wild type and mutant subunits to study tryptophan binding to TRAP and its role in activating RNA binding. *J. Biol. Chem.* 277: 35567-35573
- Li, P.T.X., Scott, D.J. & Gollnick, P. 2002. Creating hetero-11-mers composed of wild-type and mutant subunits to study RNA binding to TRAP *J. Biol. Chem.* 277: 11838-11844.

- Chen, X., Antson, A.A., Yang, M., Li, P., Baumann, C., Dodson, E.J., Dodson, G.G. & Gollnick, P. **1999** Regulatory features of the *trp* operon and the crystal structure of the *trp* RNA-binding attenuation protein from *Bacillus stearothermophilus*. **J.Mol. Biol.** 289: 1003-016.