

* 賴銘志助理教授

所有發表期刊論文

1. T. -M. Chen, Y. -H. Shih, J. T. -C. Tseng, **M. -C. Lai**, C. -H. Wu, Y. -H. Li, S. -J. Tsai and H. S. Sun. Overexpression of FGF9 in colon cancer cells is mediated by hypoxia-induced translational activation. **Nucleic Acids Res.** (2014) 42: 2932-2944
2. **M. -C. Lai**, S. -W. Wang, L. Cheng, W. -Y. Tarn, S. -J. Tsai and H. S. Sun. Human DDX3 interacts with the HIV-1 Tat protein to facilitate viral mRNA translation. **PLOS ONE** (2013) 8: e68665
3. W. -Y. Tarn and **M. -C. Lai***. Translational control of cyclins. **Cell Div.** (2011) 6(1):5
4. **M. -C. Lai**, W. -C. Chang, S. -Y. Shieh and W. -Y. Tarn. DDX3 regulates cell growth through translational control of cyclin E1. **Mol. Cell. Biol.** (2010) 30: 5444-5453
5. **M. -C. Lai**, T. -Y. Peng and W. -Y. Tarn. Functional interplay between viral and cellular SR proteins in control of post-transcriptional gene regulation. **FEBS J.** (2009) 276: 1517-1526
6. **M. -C. Lai**, Y. -H. Wu Lee and W. -Y. Tarn. The DEAD-box RNA helicase DDX3 associates with export messenger ribonucleoproteins as well as tip-associated protein and participates in translational control. **Mol. Biol. Cell** (2008) 19: 3847-3858
7. **M. -C. Lai** and W. -Y. Tarn. Hypophosphorylated ASF/SF2 binds TAP and Is present in messenger ribonucleoproteins. **J. Biol. Chem.** (2004) 279: 31745-31749
8. **M. -C. Lai**, H. -W. Kuo, W. -C. Chang and W. -Y. Tarn. A novel splicing regulator shares a nuclear import pathway with SR proteins. **EMBO J.** (2003) 22: 1359-1369
9. C. Li, R. -I. Lin, **M. -C. Lai**, P. Ouyang and W. -Y. Tarn. Nuclear Pnn/DRS protein binds to spliced mRNPs and participates in mRNA processing and export via interaction with RNPS1. **Mol. Cell. Biol.** (2003) 23: 7363-7376
10. **M. -C. Lai**, R. -I. Lin and W. -Y. Tarn. Differential effects of hyperphosphorylation on splicing factor SRp55. **Biochem. J.** (2003) 371: 937-945
11. **M. -C. Lai**, R. -I. Lin and W. -Y. Tarn. Transportin-SR2 mediates nuclear import of phosphorylated SR proteins. **Proc. Natl. Acad. Sci. USA** (2001) 98: 10154-10159
12. **M. -C. Lai**, R. -I. Lin, S. -Y. Huang, C. -W. Tsai and W. -Y. Tarn. A human

- importin- β family protein, transportin-SR2, interacts with the phosphorylated RS domain of SR proteins. **J. Biol. Chem.** (2000) 257: 7950-7957
- 13. **M. -C. Lai**, B. -H. Teh and W. -Y. Tarn. The human papillomavirus type-5 E2 protein interacts with cellular splicing factors containing the RS domain. **J. Biol. Chem.** (1999) 274: 11832-11841
 - 14. **M. -C. Lai**, Y. -C. Wang, F. -Y. Yang and L. -C. Au. Enhancement of transfection efficiency by using oligodeoxyribonucleotide as carrier. **Anal. Biochem.** (1997) 251: 292-294
 - 15. W. -J. Peng, J. -T. Pan, **M. -C. Lai**, C. -F. Chiu and T. -H. Lin. The genome of moloney murine leukemia virus can be integrated by the Integrase of human Immunodeficiency virus type 1 expressed alone in vivo. **Proc. Natl. Sci. Counc. ROC, Part B: Life Science** (1997) 21: 144-160
 - 16. C. -Y. Wang, C. -F. Yang, **M. -C. Lai**, Y. -H. Lee, T. -L. Lee and T. -H. Lin. Molecular dynamics simulation of a leucine zipper motif predicted for the integrase of human immunodeficiency virus type 1. **Biopolymers** (1994) 34: 1027-1036