

Curriculum Vitae

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Education and Research Experience

- 1982-1986 B.S. from Department of Agricultural Chemistry
National Taiwan University
Taiwan, R.O.C.
- 1990-1997 Ph.D. from Program of Cell and Developmental Biology
Dr. John G. Flanagan lab.
Harvard Medical School
- 1997-2002 Postdoctoral Research Fellow
Dr. Douglas Melton lab.
Department of Molecular and Cellular Biology
Harvard University
- 2002-2004 Postdoctoral Research Fellow
Dr. Su-Hao Lo lab
Center for Tissue Regeneration and Repair
Orthopaedic Research Lab
University of California, Davis
- 2004-2012 Assistant Professor
Department of Life Science and Institute of Molecular Biology
National Chung Cheng University
Taiwan, R.O.C.
- 2012-present Associate Professor
Department of Biomedical Sciences
National Chung Cheng University
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Selected Publication:

1. M.C. Lu, Y.T. Chen, **M.K. Chiang**, Y.C. Wang, P.Y. Hsiao, Y.J. Huang, C.T. Lin, C.C. Cheng, C.L. Liang, Y.C. Lai, Colibactin Contributes to the Hypervirulence of pks+ K1 CC23 *Klebsiella pneumoniae* in Mouse Meningitis Infections, *Front Cell Infect Microbiol*, 7 (2017) 103.

2. S.Y. Chen, R.H. Teng, M. Wang, P.L. Chen, M.C. Lin, C.H. Shen, C.N. Chao, **M.K. Chiang**, C.Y. Fang, D. Chang, *Rhodiola Kiriowii* Radix et Rhizoma and *Crataegus pinnatifida* Fructus Extracts Effectively Inhibit BK Virus and JC Virus Infection of Host Cells, *Evid Based Complement Alternat Med*, 2017 (2017) 5620867.
3. T.S. Chang, K.L. Wei, C.K. Lu, Y.H. Chen, Y.T. Cheng, S.Y. Tung, C.S. Wu, **M.K. Chiang***, Inhibition of CCAR1, a Coactivator of beta-Catenin, Suppresses the Proliferation and Migration of Gastric Cancer Cells, *Int J Mol Sci*, 18 (2017).
4. M.J. Tsai, H.F. Yang-Yen, **M.K. Chiang**, M.J. Wang, S.S. Wu, S.H. Chen, TCTP is essential for beta-cell proliferation and mass expansion during development and beta-cell adaptation in response to insulin resistance, *Endocrinology*, 155 (2014) 392-404.
5. C.K. Lu, Y.C. Lai, Y.F. Lin, H.R. Chen, **M.K. Chiang***, CCAR1 is required for Ngn3-mediated endocrine differentiation, *Biochem Biophys Res Commun*, 418 (2012) 307-312.
6. C.K. Lu, Y.C. Lai, H.R. Chen, **M.K. Chiang***, Rbms3, an RNA-binding protein, mediates the expression of Ptf1a by binding to its 3'UTR during mouse pancreas development, *DNA and cell biology*, 31 (2012) 1245-1251.
7. Lee, Y. R., Wu, W. C., Ji, W. T., Chen, J. Y., Cheng, Y. P., **Chiang, M. K.**, and Chen, H. R. (2012) Reversine suppresses oral squamous cell carcinoma via cell cycle arrest and concomitantly apoptosis and autophagy, *Journal of biomedical science* 19, 9.
8. Ji, W. T., Yang, S. R., Chen, J. Y., Cheng, Y. P., Lee, Y. R., **Chiang, M. K.**, and Chen, H. R. (2012) Arecoline downregulates levels of p21 and p27 through the reactive oxygen species/mTOR complex 1 pathway and may contribute to oral squamous cell carcinoma, *Cancer science* 103, 1221-1229.
9. **Chiang, M. K.**, Lu, M. C., Liu, L. C., Lin, C. T., and Lai, Y. C. (2011) Impact of Hfq on global gene expression and virulence in *Klebsiella pneumoniae*, *PLoS One* 6, e22248.
10. Tang, H. L., **Chiang, M. K.**, Liou, W. J., Chen, Y. T., Peng, H. L., Chiou, C. S., Liu, K. S., Lu, M. C., Tung, K. C., and Lai, Y. C. (2010) Correlation between *Klebsiella pneumoniae* carrying pLVPK-derived loci and abscess formation, *Eur J Clin Microbiol Infect Dis* 29, 689-698.
11. Tu, Y. C., Lu, M. C., **Chiang, M. K.**, Huang, S. P., Peng, H. L., Chang, H. Y., Jan, M. S., and Lai, Y. C. (2009) Genetic requirements for *Klebsiella pneumoniae*-induced liver abscess in an oral infection model, *Infect Immun* 77, 2657-2671.
12. **Chiang, M.-K.**, Liao, Y.-C., Kuwabara Yasuko, and Lo, S. H. (2005) Inactivation of *tensin3* in mice results in growth retardation and postnatal lethality. *Developmental Biology* 279: 368-377.

13. Chiang, M.-K. and Melton, D. A. (2003) Single cell transcript analysis of pancreas development. *Developmental Cell* 4: 383-393.