

Shu-Rung Lin

E-mail: shurung@cycu.edu.tw

Ph.D., Molecular Medicine, National Taiwan University

Assistant Professor, Department of Bioscience Technology

Knockout Mice, Gene Targeting, Embryonic Stem Cells, Hematology, Molecular Biology, Biotechnology



◆ Research Interests

- ◆ Shu-Rung is an assistant professor in the Bioscience Technology Department. Courses taught include Biochemistry, Microbiology, Molecular Biology, Advances in Biotechnology, Cellular Biochemistry, Gene and Disease...etc.
- ◆ Shu-Rung's major research topics include patho-physiological studies of several gene knockout mice and establishment of mouse models for screening potential health food capable of reducing risk factors of metabolic syndrome. And other research topics are functional studies of thromboxane A₂ in a variety of cells, including lymphocytes, macrophages, endothelial cells, and trophoblast cells...etc.

◆ Selected Publications

- ◆ Su KY, Chien WL, Fu WM, Yu IS, Huang HP, Huang PH, Lin SR, Shih JY, Lin YL, Hsueh YP, Yang PC, & Lin SW. (2007) Mice deficient in collapsin response mediator protein-1 exhibit impaired long-term potentiation and impaired spatial learning and memory. *Journal of Neuroscience* 27, 2513-24.
- ◆ Yang YL[#], Lin DT[#], Chang SK, Lin SR, Lin SW, Chiou RJ, Yen CT, Lin KH, Jou ST, Lu MY, Chang HH, Chang WH, Lin KS, Hu CY. (2010) Pharmacogenomic variations in treatment protocols for childhood acute lymphoblastic leukemia. *Pediatr Blood Cancer* **54**, 206-211. (#: equally contributed). (SCI).
- ◆ Yang YL[#], Lin SR[#], Chen JS, Lin SW, Yu SL, Chen HY, Yen CT, Lin CY, Lin JF, Lin KH, Jou ST, Hu CY, Chang SK, Lu MY, Chang HH, Chang WH, Lin KS, Lin DT. (2010) Expression and prognostic significance of the apoptotic genes BCL2L13, Livin, and CASP8AP2 in childhood acute lymphoblastic leukemia. *Leuk Res.* 34:18-23. (#: equally contributed). (SCI).
- ◆ Yang YL[#], Lin SR[#], Chen JS, Hsiao CC, Lin KH, Sheen JM, Cheng CN, Wu KH, Lin SW, Yu SL, Chen HY, Lu MY, Chang HH, Yen CT, Lin JF, Su YH, Li YP, Lin CY, Jou ST[#], and Lin DT*[#]. (2010) Multiplex Reverse Transcription-Polymerase Chain Reaction as Diagnostic Molecular Screening of 4 Common Fusion Chimeric Genes in Taiwanese Children With Acute Lymphoblastic Leukemia. *J Pediatr Hematol Oncol.* 32:e323-30. (#: equally contributed). (SCI).
- ◆ Huang HP, Hong CL, Kao CY, Lin SW, Lin SR, Wu HL, Shi GY, You LR, Wu CL, Yu IS*. (2011) Gene targeting and expression analysis of mouse Tem1/endsialin using a lacZ reporter. *Gene Expr Patterns.* 11:316-26. (SCI).

- ◆ Yang YL, Hung CC, Chen JS, Lin KH, Jou ST, Hsiao CC, Sheen JM, Cheng CN, Wu KH, Lin SR, Yu SL, Chen HY, Lu MY, Wang SC, Chang HH, Lin SW*, Su YN*, Lin DT*. (2011) IKZF1 deletions predict a poor prognosis in children with B-cell progenitor acute lymphoblastic leukemia: a multicenter analysis in Taiwan. *Cancer Sci.* 102:1874-81. (SCI).
- ◆ Yang YL, Hsiao CC, Chen HY, Lin KH, Jou ST, Chen JS, Chang TK, Sheen JM, Yu SL, Lu MY, Cheng CN, Wu KH, Wang SC, Wang JD, Chang HH, Lin SR, Lin SW, Lin DT*. (2011) Absence of biallelic TCR γ deletion predicts induction failure and poorer outcomes in childhood T-cell acute lymphoblastic leukemia. *Pediatr Blood Cancer.* doi: 10.1002/pbc.24021. [Epub ahead of print] (SCI).
- ◆ Pai CH, Yu IS, Lin SW, and Lin SR*. (2012) Role of thromboxane A₂ on high salt-induced fetal defect. (Manuscript in preparation).

◆ **Recent Research Projects**

- ◆ Creating mouse model of human disease for mechanism studies and treatment evaluation.
- ◆ Establishing mouse models with metabolic syndrome for potential health food screening (DOH, August 2006 ~ July 2009).
- ◆ Establishing mouse models with osteoporosis for potential therapeutic drugs evaluation.