

Hsi-Chuan Chen

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NSF project

- 4CL, C3H, C4H, and PO genes enzyme activity and regulation study
- 4CL, C4H downregulate in *P. trichocarpa*

Experience

03/06-04-07

National Taiwan University

Taipei, Taiwan

Research assistant of Animal Science and Technology Department

- Research project
 - Mice and pig embryo differential expression gene study
 - Tissue distribution and gene expression in Pig tissues
 - Improve productivity of pigs

Education

08/09-present North Carolina State University

North Carolina, USA

PhD student of Forestry Department

- *P. trichocarpa* transformation for downregulating gene expression
- Lignin biosynthesis enzyme study

07/03-10/05 *National Chiao Tung University*

Hsinchu, Taiwan

M.A. in Biological Science and Technology

- Research technologies learned
 - Protein expression and enzyme activity assay
 - Evolution study form 16S RNA and gene cluster evolution.
- Research projects
 - *Nocardia* cell wall biosynthesis gene cluster cloning and functional genomic study
 - Universal PCR probe design for dTDP-glucose 2,3 dehydratase (*gdh*)
- Graduate thesis: “Gene Cluster Evolution and Functional Genomic of *Nocarida* Cell Wall Biosynthesis”

07/99-06/03 *National Taiwan University*

Taipei, Taiwan

B.A. in Forestry and Resources Conservation