

BIOGRAPHICAL SKETCH

NAME in English Chi-Ching Lee	POSITION TITLE Assistant Professor, Department and Graduate Institute of Computer Science and Information Engineering		
NAME in Chinese 李季青			
EDUCATION/TRAINING			
INSTITUTION AND LOCATION	DEGREE (if applicable)	MM/YY	FIELD OF STUDY
Department of Biological Science, National Sun Yat-Sen University, Taiwan	B.S.	06/05	Biology
Institute of Bioinformatics and Structural Biology, National Tsing-Hua University, Taiwan	M.S.	06/07	Bioinformatics
Department of Computer Science, National Tsing Hua University, Taiwan	Ph.D.	12/12	Bioinformatics, database, visualization

A. Selected Peer-reviewed Publications (2012-2017)

1. CMPD: Cancer Mutant Proteome Database.

Huang PJ[#], **Lee CC**[#], Tan BC, Yeh YM, Chu LC, Chen TW, Chang KP, Lee CY, Gan RC, Liu H* and Tang P*. *Nucleic Acid Research*. 2014

2. Vanno: A Visualization-aided Variant Annotation Tool.

Huang PJ[#], **Lee CC**[#], Tan BC, Yeh YM, Huang KY, Gan RC, Chen TW, Lee CY, Yang ST, Liao CS, Liu H*, Tang P*. *Human Mutation*. 2014

3. ChIPseek, a web-based analysis tool for ChIP data.

Ting-Wen Chen[#], Hsin-Pai Li[#], **Chi-Ching Lee**, Ruei-Chi Gan, Po-Jung Huang, Timothy H Wu, Cheng-Yang Lee, Yi-Feng Chang and Petrus Tang*. *BMC Genomics*. 2014

4. CPAP: Cancer Panel Analysis Pipeline.

Huang PJ[#], Yeh YM[#], Gan RCR, **Lee CC**, Chen TW, Lee CY, Liu H, Chen SJ*, Tang P*. *Human Mutation*. 2013

5. GI-POP: A combinational annotation and Genomic Island prediction Pipeline for Ongoing microbial genome Projects

Chi-Ching Lee, Yi-Ping Phoebe Chen, Tzu-Jung Yao, Cheng-Yu Ma, Wei-Cheng Lo, Ping-Chiang Lyu* and Chuan Yi Tang* *Elsevier Gene*. 2013

6. Proteome reference map of *Drosophila melanogaster* head.

Tian-Ren Lee[†], Shun-Hong Huang[†], **Chi-Ching Lee**, Hsiao-Yun Lee, Hsin-Tzu Chan, Kuo-Sen Lin, Hong-Lin Chan and Ping-Chiang Lyu* *Proteomics*. 2012 May 23

7. Construction and analysis of a plant non-specific lipid transfer protein database (nsLTPDB).

(B) Journal Articles (Research and Methodology):

1. Novel insights into the molecular events linking to cell death induced by tetracycline in the amitochondriate protozoan *Trichomonas vaginalis*.

Huang KY, Ku FM, Cheng WH, Lee CC, Huang PJ, Chu LJ, Cheng CC, Fang YK, Wu HH, Tang P. *Antimicrob Agents Chemother*. 2015 August 24

2. Is the whole greater than the sum of its parts? De novo assembly strategies for bacterial genomes based on paired-end sequencing.

Ting-Wen Chen, Ruei-Chi Gan, Yi-Feng Chang, Wei-Chao Liao, Timothy H. Wu, Chi-Ching Lee, Po-Jung Huang, Cheng-Yang Lee, Yi-Ywan M. Chen, Cheng-Hsun Chiu and Petrus Tang*, *BMC Genomics*. 2015 August 18

3. Development of a Human Dihydroorotate Dehydrogenase (hDHODH) Pharma-Similarity Index Approach with Scaffold-Hopping Strategy for the Design of Novel Potential Inhibitors.

Kuei-Chung Shih, Chi-Ching Lee, Chi-Neu Tsai, Yu-Shan Lin, Chuan Yi Tang *Plos One*. 2014

4. Genome sequence of *Acinetobacter baumannii* TYTH-1

Ming-Li Liou , Chih-Chin Liu , Chia-Wei Lu , Ming-Feng Hsieh , Kai-Chih Chang , Han-Yueh Kuo , Chi-Ching Lee , Chun-Tien Chang , Cheng-Yao Yang, and Chuan Yi Tang* *Journal of Bacteriology*. 2013

5. Reconstruction of phyletic trees by global alignment of multiple metabolic networks

Cheng-Yu Ma, Shu-Hsi Lin , Chi-Ching Lee, Chuan Yi Tang, Bonnie Berger and Chung-Shou Liao* *BMC Bioinformatics*. 2013

6. Metabolic classification of microbial genomes using functional probes

Chi-Ching Lee[†], Wei-Cheng Lo[†], Szu-Ming Lai, Yi-Ping Phoebe Chen, Chuan Yi Tang, Ping-Chiang Lyu**BMC Genomics*. 2012 April 27

(C) Genome Sequencing Project:

1. Genome sequence of *Acinetobacter baumannii* TYTH-1 (PRJNA74551)

Ming-Li Liou , Chih-Chin Liu , Chia-Wei Lu , Ming-Feng Hsieh , Kai-Chih Chang , Han-Yueh Kuo , Chi-Ching Lee , Chun-Tien Chang , Cheng-Yao Yang, and Chuan Yi Tang*
(17-SEP-2012, submitted to NCBI)

C. Research Support

Ongoing Research Support

105-2218-E-182-004 Ministry of Science and Technology

Construction of cloud-based multiple sample visualization platform

The goal of this study is to build a cloud-based visualization framework for multiple sample analysis.

Role: PI

106-2221-E-182-068 Ministry of Science and Technology

Development and Application of Highly Flexible Bioinformatics Analysis Platform of Single Machine, Self-built Clouds and Public Clouds

The goal of this study is to build a cross-platform bioinformatics analysis system.
Role: PI