

## BIOGRAPHICAL SKETCH

NAME in English <b>Ian Yi-Feng Chang</b>	POSITION TITLE <b>Postdoc</b>		
NAME in Chinese <b>張益峯</b>			
EDUCATION/TRAINING			
INSTITUTION AND LOCATION	DEGREE (if applicable)	MM/YY	FIELD OF STUDY
Institute of BioMedical Informatics, National Yang Ming University, Taiwan	Ph.D.	06/2015	Bioinformatics
Department of Information Management, Chaoyang University of Technology, Taiwan	Master	06/2002	Information Management
Department of Information Management, Chaoyang University of Technology, Taiwan	B.S.	06/2000	Information Management

## A. Positions and Honors

### Positions and Employment

04/2014 ~ 07/2015 Research Assistant, Molecular Medicine Research Center, Chang Gung University, Taiwan  
09/2006 ~ 03/2007 Visiting Student Scientist, Los Alamos National Laboratory Los Alamos, New Mexico, USA

## B. Selected Peer-reviewed Publications (2012-2017) (in chronological order)

### Referred papers (\*first/equal contribution or corresponding author)

1. Chen, T. W., Lee, C. C., Liu, H., Wu, C. S., Pickering, C. R., Huang, P. J., Wang, J., **Chang, Y. F.**, Yeh, Y. M., Chen, C. D., Li, P. H., Luo, J. D., Tan, B. C., Chan, T. E., Hsueh, C., Chu, L. J., Chen, Y. T., Zhang, B., Yang, C. Y., Wu, C. C., Hsu, C. W., See, L. C., Tang, P., Yu, J. S., Liao, W. C., Chiang, W. F., Rodriguez, H., Myers, J. N., Chang, K. P., Chang, Y. S. . (2017) APOBEC3A is an oral cancer prognostic biomarker in Taiwanese carriers of an APOBEC deletion polymorphism. *Nature Communication*, 8, 465.
2. Chen, T. W., Gan, R. C., Fang, Y. K., Chien, K. Y., Liao, W. C., Chen, C. C., Wu, T. H., Chang, Y. F., Yang, C., Huang, P. J., Yeh, Y. M., Chiu, C. H., Huang, T. W., Tang, P. (2017) FunctionAnnotator, a versatile and efficient web tool for non-model organism annotation. *Scientific Reports*, 10430.
3. Yang, C. C., Chen, Y. T., **Chang, Y. F.**, Liu, H., Kuo, Y. P., Shih, C. T., Liao, W. C., Chen, H. W., Tsai, W. S., Tan, B. C. (2017). ADAR1-mediated 3' UTR editing and expression control of antiapoptosis genes fine-tunes cellular apoptosis response. *Cell Death Dis*, e2833.
4. Shih, C. T., **Chang, Y. F.**, Chen, Y. T., Ma, C. P., Chen, H. W., Yang, C. C., Lu, J. C., Tsai, Y. S., Chen, H. C., Tan, B. C. (2017). The PPARgamma-SETD8 axis constitutes an epigenetic, p53-independent checkpoint on p21-mediated cellular senescence. *Aging Cell*, 10.1111/ace1.12607.
5. Lin, I.H., Chen, D.T., **Chang, Y.F.**, Lee, Y.L., Su, C.H., Cheng, C., Tsai, Y.C., Ng, S.C., Chen, H.T., Lee, M.C., et al. (2015). Hierarchical clustering of breast cancer methylomes revealed differentially methylated and expressed breast cancer genes. *PLoS One* 10, e0118453.
6. Chen, T.W., Gan, R.C., **Chang, Y.F.**, Liao, W.C., Wu, T.H., Lee, C.C., Huang, P.J., Lee, C.Y., Chen, Y.Y., Chiu, C.H., et al. (2015). Is the whole greater than the sum of its parts? De novo assembly strategies for bacterial genomes based on paired-end sequencing. *BMC Genomics* 16, 648.
7. Chen, T.W., Li, H.P., Lee, C.C., Gan, R.C., Huang, P.J., Wu, T.H., Lee, C.Y., **Chang, Y.F.**, and Tang, P. (2014). ChIPseek, a web-based analysis tool for ChIP data. *BMC Genomics* 15, 539.

8. Tsai, Y.C., Chiao, C.H., **Chang, I.Y.**, Chen, D.T., Liu, T.T., Hua, K., Chang, C.H., and Hsu, M.T. (2011). Common altered epigenomic domains in cancer cells: characterization and subtle variations. *Cancers (Basel)* 3, 1996-2013.
9. Shieh, G.S., Zheng, S., Johnson, R.A., **Chang, Y.F.**, Shimizu, K., Wang, C.C., and Tang, S.L. (2011). Modeling and comparing the organization of circular genomes. *Bioinformatics* 27, 912-918.
10. **\*Chang, Y.F.**, and Chang, C.H. (2011). CAGO: a software tool for dynamic visual comparison and correlation measurement of genome organization. *PLoS One* 6, e27080.
11. Wu, T.H., **Chang, I.Y.**, Chu, L.C., Huang, H.C., and Ng, W.V. (2010). Modularity of Escherichia coli sRNA regulation revealed by sRNA-target and protein network analysis. *BMC Bioinformatics* 11 Suppl 7, S11.
12. Wu, S.H., Chen, Y.H., Huang, F.L., Chang, C.H., **Chang, Y.F.**, and Tsay, H.J. (2008). Multiple regulatory elements mediating neuronal-specific expression of zebrafish sodium channel gene, scn8aa. *Dev Dyn* 237, 2554-2565.
13. Lee, C.T., Amaro, C., Wu, K.M., Valiente, E., **Chang, Y.F.**, Tsai, S.F., Chang, C.H., and Hor, L.I. (2008). A common virulence plasmid in biotype 2 *Vibrio vulnificus* and its dissemination aided by a conjugal plasmid. *J Bacteriol* 190, 1638-1648.

## Book chapters

1. 張益峯, 林依璿, and 劉孜孜 (2015). 甲基體定序及資料分析. In 基因體技術與資料分析手冊 (臺北市 陽明大學榮陽基因體研究中心), pp. 257

## C. Research Support

### Ongoing Research Support

N/A

### Completed Research Support (2006-2010)

N/A