
BIOGRAPHICAL SKETCH

NAME in English Chia-Chun Chen	POSITION TITLE Assistant Research Fellow, Molecular Medicine Research Center		
NAME in Chinese 陳嘉君			
EDUCATION/TRAINING			
INSTITUTION AND LOCATION	DEGREE (if applicable)	MM/YY	FIELD OF STUDY
Dept. of Biological Science and Technology, National Chiao Tung University, Taiwan, ROC	BS	07/2004	
Graduate Institute of Biomedical Sciences, Chang Gung University, Taiwan, ROC	Ph.D.	11/2010	Microbiology

A. Positions and Honors

Positions and Employment

- 2010/11~2013/11 Postdoctoral Research Fellow, Molecular Medicine Research Center, Chang Gung University, Tao-Yuan, Taiwan, R.O.C
- 2013/12~present microRNA Platform Technical Director, Molecular Medicine Research Center, Chang Gung University, Tao-Yuan, Taiwan, R.O.C
- 2014/09~present Assistant Research Fellow, Molecular Medicine Research Center, Chang Gung University, Tao-Yuan, Taiwan, R.O.C

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

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

Publications

1. **Chen CC**, Chen LC, Liang Y, Tsang NM, Chang YS (2010) Epstein-Barr virus latent membrane protein 1 induces the chemotherapeutic target, thymidine phosphorylase, via NF-kappaB and p38 MAPK pathways. *Cell Signal* **22**: 1132-1142
2. Chen LC, Chung IC, Hsueh C, Tsang NM, Chi LM, Liang Y, **Chen CC**, Wang LJ, Chang YS (2010) The antiapoptotic protein, FLIP, is regulated by heterogeneous nuclear ribonucleoprotein K and correlates with poor overall survival of nasopharyngeal carcinoma patients. *Cell Death Differ* **17**: 1463-73
3. Liu HP, Wu CC, Kao HY, Huang YC, Liang Y, **Chen CC**, Yu JS, Chang YS (2011) Proteome-wide dysregulation by PRA1 depletion delineates a role of PRA1 in lipid transport and cell migration. *Mol Cell Proteomics* **10**: M900641MCP900200
4. Chen LC, **Chen CC**, Liang Y, Tsang NM, Chang YS, Hsueh C (2011) A novel role for TNFAIP2: its correlation with invasion and metastasis in nasopharyngeal carcinoma. *Mod Pathol* **24**: 175-184
5. Lee CM, Yang P, Chen LC, **Chen CC**, Wu SC, Cheng HY, Chang YS (2011) A novel role of RASSF9 in maintaining epidermal homeostasis. *PLoS One* **6**: e17867
6. Wu CS, Chang KP, Chen LC, **Chen CC**, Liang Y, Hsueh C, Chang YS (2012) Heterogeneous ribonucleoprotein K and thymidine phosphorylase are independent prognostic and therapeutic markers for oral squamous cell carcinoma. *Oral Oncol* **48**: 516-522
7. Liu HP, **Chen CC**, Wu CC, Huang YC, Liu SC, Liang Y, Chang KP, Chang YS (2012) Epstein-Barr virus-encoded LMP1 interacts with FGD4 to activate Cdc42 and thereby promote migration of nasopharyngeal

- carcinoma cells. *PLoS Pathog* **8**: e1002690
8. Chen LC, Wang LJ, Tsang NM, Ojcius DM, **Chen CC**, Ouyang CN, Hsueh C, Liang Y, Chang KP, Chang YS (2012) Tumour inflammasome-derived IL-1beta recruits neutrophils and improves local recurrence-free survival in EBV-induced nasopharyngeal carcinoma. *EMBO Mol Med* **4**: 1276-1293
 9. Li HP, Peng CC, Chung IC, Huang MY, Huang ST, **Chen CC**, Chang KP, Hsu CL, Chang YS (2013) Aberrantly hypermethylated Homeobox A2 derepresses metalloproteinase-9 through TBP and promotes invasion in Nasopharyngeal carcinoma. *Oncotarget* **4**: 2154-2165
 10. **Chen CC**, Liu HP, Chao M, Liang Y, Tsang NM, Huang HY, Wu CC, Chang YS (2014) NF-kappaB-mediated transcriptional upregulation of TNFAIP2 by the Epstein-Barr virus oncoprotein, LMP1, promotes cell motility in nasopharyngeal carcinoma. *Oncogene* **33**: 3648-59
 11. Chang PY*, **Chen CC***, Chang YS, Tsai WS, You JF, Lin GP, Chen TW, Chen JS, Chan EC (2016) MicroRNA-223 and microRNA-92a in stool and plasma samples act as complementary biomarkers to increase colorectal cancer detection. *Oncotarget* **7**: 10663-75
 12. Fan PC, **Chen CC**, Chen YC, Chang YS, Chu PH (2016) MicroRNAs in acute kidney injury. *Hum Genomics* **10**: 29
 13. Yu JS, Chen YT, Chiang WF, Hsiao YC, Chu LJ, See LC, Wu CS, Tu HT, Chen HW, **Chen CC**, Liao WC, Chang YT, Wu CC, Lin CY, Liu SY, Chiou ST, Chia SL, Chang KP, Chien CY, Chang SW et al. (2016) Saliva protein biomarkers to detect oral squamous cell carcinoma in a high-risk population in Taiwan. *Proc Natl Acad Sci U S A* **113**: 11549-11554
 14. Chen TW, Gan RC, Fang YK, Chien KY, Liao WC, **Chen CC**, Wu TH, Chang IY, Yang C, Huang PJ, Yeh YM, Chiu CH, Huang TW, Tang P (2017) FunctionAnnotator, a versatile and efficient web tool for non-model organism annotation. *Sci Rep* **7**: 10430
 15. Fan PC*, **Chen CC***, Peng CC, Chang YS, Chang CH, Chen YC, Yang CW, Chu PH et al. A circulating signature of miR-24, miR-23a, miR-145 for early diagnosis of acute kidney injury in patients with acute myocardial infarction (in preparation)
 16. **Chen CC***, Peng CC*, Yang C, Fan PC, Chu PH, Chang YS, **Chen CC#**, Chang CH# et al. Standardization of circulating microRNA detection in cardiovascular disease (in preparation)

Patents

Inventor of Taiwan Patent #I571514, Taiwan Patent application number 104100830, China Patent application number 201510703647.5, China Patent application number 201510703752.9, US Patent application number 14/928,387, US Patent application number 14/928,625, METHOD AND BIOMARKERS FOR ACCESSING THE RISK OF HAVING COLORECTAL CANCER

C. Research Support

Ongoing Research Support

CMRPD3B0013, Chang-Gung Memorial Hospital Biosignatures-Technology and Bioinformatics Platform Role: CI	12/01/2016-11/30/20108
CMRPG3B0023, Chang-Gung Memorial Hospital Biosignatures: CRC, Develop a microRNA-based non-invasive screening assay for early detection of CRC Role: CI	12/01/2016-11/30/20108
CMRPG3B0043, Chang-Gung Memorial Hospital Biosignatures: AKI, Biosignature Study for Cardiorenal Syndrome Role: Co-PI	12/01/2016-11/30/20108

CMRPG2E0013, Chang-Gung Memorial Hospital
Biosignatures: CKD, Biomarkers of rapid progression of Chronic Kidney
Role: Co-PI

12/01/2016-11/30/20108

CMRPG5G0111, Chang-Gung Memorial Hospital
Using microRNAs for diagnosis and prognosis in kidney injury following acute coronary syndrome
Role: Co-PI

08/01/2017-07/31/2120