



**Name** **Shih-Yin Chen, Ph.D.**

**Current Positions** Associate Professor, school of Chinese Medical, China Medical University,  
Associate Research Fellow, Genetic Center,  
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**E-Portfolio Website**

[http://webap.cmu.edu.tw/TchEportfolio/index\\_1/chenshihy](http://webap.cmu.edu.tw/TchEportfolio/index_1/chenshihy)

**Personal Website**

### **Education**

Postdoctoral Fellow, Section on Cellular Differentiation Heritable Disorders Branch, NICHD, NIH, U.S.A. (2005.10-2008.04)

Ph.D., Division of Preventive Medicine, Institute of Public Health, National Yang-Ming University, Taichung, Taiwan. (1997.09-2005.09)

M.S., Institute of Toxicology, Chung Shan Medical University, Taichung, Taiwan. (1997.09-1999.07)

B.S., Department of Nutrition, China Medical University, Taichung, Taiwan. (1992.09-1996.07)

### **Expertise**

Public Health · Preventive Medicine · Cell and Gene Toxicology · Tumor and Molecular Biology · Genetics and Metabolomics

### **Research Interests**

The major on-going projects include:

1. Study the regulations of blood circulation and epigenetic regulation in Type II Diabetes Mellitus.
2. Taiwan Biobank and Taiwan Biosignature Programs (The part of Type II Diabetes Mellitus).
3. Immunogenetics studies including Kawasaki Disease (KD), systemic lupus erythematosus (SLE), rheumatoid arthritis (RA), and membranous glomerulonephritis (MGN): using the cohort in Taiwan.
4. Study the effect of traditional Chinese medicine (TCM) on alcohol metabolic pathway.(TCM drug screening platform)

### **Selected Grants:**

1. Application of new drug development of traditional Chinese medicine in alcohol metabolism and alcohol abstinence. DMR-109-141 (2019. 08-2020.07)
2. The genetic and the functional study of secreted proteins in adipose tissue and the susceptibility to type 2 diabetes mellitus. DMR-108-121 (2018.08-2019.07)
3. Establishment and application of traditional Chinese medicine powdered screening platform: focus on drug development of alcohol metabolism. MOST 105-2320-B-039-048 (2016.08-2017.07)

### **Selected Publications**

1. Korla PK, Chen CC, Gracilla DE, Lai MT, Chen CM, Chen HY, Hwang T, **Chen SY**, Sheu JJC. Somatic mutational landscape of adherens junctions and the functional consequences in cutaneous melanoma development. *Theranostics* 2020, Oct. 15. (MEDICINE, RESEARCH & EXPERIMENTAL: 10/139; **IF:8.579**) (**Corresponding Author**)
2. Chen CC, Chang ZY, Tsai FJ, **Chen SY**. Resveratrol Pretreatment Ameliorates Concanavalin A-Induced Advanced Renal Glomerulosclerosis in Aged Mice through Upregulation of Sirtuin 1-Mediated Klotho Expression. *Int. J. Mol. Sci.* 2020, 21(18), 6766. (BIOCHEMISTRY & MOLECULAR BIOLOGY: 74/297; **IF:4.556**) (**Corresponding Author**)

3. Chen CC, Chang ZY, Tsai FJ, **Chen SY**. Cannabinoid receptor type 1 antagonist inhibits progression of obesity-associated nonalcoholic steatohepatitis in a mouse model by remodeling immune system disturbances. Immun Inflamm Dis. 2020 Aug 15. doi: 10.1002/iid3.338. Online ahead of print. (IMMUNOLOGY: 112/158; **IF:2.500**) (**Corresponding Author**)
4. Lan YC, Wang YH, Chen HH, Lo SF, **Chen SY**, Tsai FJ. Effects of Casein Kinase 2 Alpha 1 Gene Expression on Mice Liver Susceptible to Type 2 Diabetes Mellitus and Obesity. Int J Med Sci 2020; 17(1):13-20. doi:10.7150/ijms.37110. (MEDICINE, GENERAL & INTERNAL: 50/165; **IF:2.523**) (**Corresponding Author**)

#### **Selected Patents**

1. No. 9 Polyphenol Drink- A Multiple Formulas to Eliminate Hangovers. SILVER PRIZE, Silicon Valley invention festival, USA, 2018. Taiwan Patent (applied no. 107116787)