

## Pei-Ling Hsu, Ph.D.

Department of Physiology  
National Cheng Kung University  
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### EDUCATION

- 2010-2016**      **Ph.D.** in The Institute of Basic Medical Sciences, College of Medicine, National Cheng Kung University, Tainan, Taiwan  
Thesis: The matricellular protein CCN1 induces cardiomyopathy in mice
- 2009-2010**      **Master** in Department of Cell Biology and Anatomy, College of Medicine, National Cheng Kung University, Tainan, Taiwan

### PROFESSIONAL EXPERIENCE

#### Post-Doctoral Fellow

##### 2018-Present

Dr. Shaw-Jenq Tsai laboratory

Department of Physiology, College of Medicine

National Cheng Kung University, Tainan, Taiwan

Research topics: To study the role of dual specificity phosphatase 2 in cancer cell migration; to exam the function of nuclear TYRO3 in colorectal cancer

##### 2016-2017

Dr. Fan-E Mo laboratory

Department of Cell Biology and Anatomy, College of Medicine

National Cheng Kung University, Tainan, Taiwan

Research topics: To investigate the role of the matricellular protein CCN1 in atherosclerosis and cardiomyopathy.

### AWARDS AND HONORS

2016-Outstanding Research Award in NCKU Research Day PhD Paper Competition

2016-The 14<sup>th</sup> AAROC Graduate Student Poster Presentation Award, Third Place

2015-Young Investigator Fellowship, 83<sup>rd</sup> European Atherosclerosis Society Congress

2014-Research Award in Basic Medicine from the CHENG-HSING Medical Foundation

2013-Outstanding Research Award in NCKU Research Day PhD Paper Competition

2013- The 11<sup>th</sup> AAROC Graduate Student Poster Presentation Award, Second Place

## **PUBLICATIONS**

### **A. Referred paper**

Pei-Ling Hsu, Yung-Ching Lin, Hao Ni, Fan-E Mo. (2018). Ganoderma triterpenoids exert antiatherogenic effects in mice by alleviating disturbed flow-induced oxidative stress and inflammation. *Oxid Med Cell Longev*.

Pei-Ling Hsu, Fan-E Mo. (2016). Matricellular protein CCN1 mediates doxorubicin-induced cardiomyopathy in mice. *Oncotarget* 7, 36698-36710.

Qian-Yu Kuok, Chen-Yu Yeh, Bor-Chyuan Su, Pei-Ling Hsu, Hao Ni, Ming-Yie Liu, Fan-E Mo. (2013). The triterpenoids of *Ganoderma tsugae* prevent stress-induced myocardial injury in mice. *Mol Nutr Food Res* 57, 1892-1896.

Pei-Ling Hsu\*, Bor-Chyuan Su\*, Qian-Yu Kuok, Fan-E Mo. (2013). Extracellular matrix protein CCN1 regulates cardiomyocyte apoptosis in mice with stress-induced cardiac injury. *Cardiovasc Res* 98, 64-72. \*These authors contributed equally to this work.

### **B. Conference paper**

Pei-Ling Hsu, Fan-E Mo. (2017). The extracellular matrix protein CCN1 mediates the endothelial dysfunction induced by disturbed flow. The 85th Congress of the European Atherosclerosis Society.

Pei-Ling Hsu, Jheng-Sin Chen, Fan-E Mo. (2016). The matricellular protein CCN1 promotes neointima formation through integrin  $\alpha 6\beta 1$ . The 7th Scientific Meeting of Asian Society for Vascular Biology.

Pei-Ling Hsu, Fan-E Mo. (2016). Matricellular protein CCN1 mediates doxorubicin-induced cardiomyopathy in mice. The 31th Joint Annual Conference of Biomedical Science.

Pei-Ling Hsu, Jheng-Sin Chen, Fan-E Mo. (2015). CCN1 induction and its role in the neointima formation-induced by carotid artery ligation in mice. *Arteriosclerosis, Thrombosis and Vascular Biology Scientific Sessions 2015*.

Pei-Ling Hsu, Fan-E Mo. (2015). Extracellular matrix protein CCN1 induced by disturbed flow in the carotid-artery-ligation mouse model promotes neointima formation through integrin  $\alpha 6\beta 1$ . The 83rd European Atherosclerosis Society Congress.

Pei-Ling Hsu, Bor-Chyuan Su, Qian-Yu Kuok, Fan-E Mo. (2013). Matricellular CCN1 regulates cardiomyocyte apoptosis in mice with stress-induced cardiac injury. The 7th International Workshop on the CCN Family of Genes.

Pei-Ling Hsu, Fan-E Mo. (2013). CCN1/ $\alpha 6\beta 1$  mediates myocardial injuries induced by work overload or by doxorubicin in mice. *Basic Cardiovascular Sciences 2013 Scientific Sessions*

Pei-Ling Hsu, Bor-Chyuan Su, Qian-Yu Kuok, Fan-E Mo. (2013). Extracellular matrix protein CCN1 regulates cardiomyocyte apoptosis in mice with stress-induced cardiac injury. The 2013 28th Joint Annual Conference of Biomedical Science.