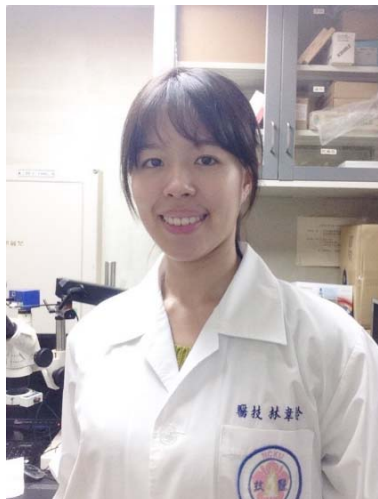




Department of Medical Laboratory Science and Biotechnology,  
College of Medicine, National Cheng Kung University  
Tainan, Taiwan, 701 R. O. C.  
TEL:886-6-2353535-5781 FAX:886-6-2363956



**Name: Wei-Ling Lin**  
**Designation: adjunct assistant professor**  
**E-mail: [i34911060@gs.ncku.edu.tw](mailto:i34911060@gs.ncku.edu.tw)**  
**Tel & Fax: 886-6-2353535-5525 & 886-6-3028037**

### Research interest

My research focuses on two parts, the first is vascular biology, especially on the molecular mechanisms of vascular inflammation. I am particularly interested in the biological functions of the well-known anti-coagulant factor, thrombomodulin (TM). We have demonstrated that TM plays an important role in the regulation of vascular inflammation. The recombinant TM proteins generated in our lab exhibits anti-inflammatory effect on atherosclerosis by interfering with leukocyte recruitment. On the other hand, leukocyte surface expressed-TM significantly participates in leukocyte-endothelial interaction upon inflammation. Secondly, for laboratory medicine, I am working on pre-analytical phase variation evaluation and development of mass spectrometry analysis in clinical biochemistry.

### Publications

- 1.Chang SC ,Lin WL, Chang YF, Lee CT, Wu JS, Hsu PH, and Chang CF. Glycoproteomic identification of novel plasma biomarkers for oral cancer. J Food Drug Anal. 2019 Apr; 27(2):483-493
- 2.Lin WL, Chen CC, Shi GY, Ma CY, Chang CF, and Wu HL. Monocytic thrombomodulin promotes cell adhesion through interacting with its ligand, Lewisy. Immunol Cell Biol. 2017 Apr; 95(4): 372–379.
- 3.Lin WL, Guu SY, Tsai CC, Prakash E, Viswaraman M, Chen HB, and Chang CF. Derivation of cinnamon blocks leukocyte attachment by interacting with sialosides. PLoS One. 2015 Jun 15; 10(6):e0130389.
- 4.Lin WL, Lin YS, Shi GY, Chang CF, and Wu HL. Lewisy Promotes Migration of Oral Cancer Cells by Glycosylation of Epidermal Growth Factor Receptor. PLoS One. 2015 Mar 23;10(3):e0120162.
- 5.Lin WL, Chang CF, Shi CS, Shi GY, and Wu HL. Recombinant Lectin-Like Domain of Thrombomodulin Suppresses Vascular Inflammation by Reducing Leukocyte Recruitment via Interacting with Lewis Y on Endothelial Cells. Arterioscler Thromb Vasc Biol. 2013 Oct;33(10):2366-73.