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Affiliation

Department of Physiology, Kaohsiung Medical University

Orthopaedic Research Center, Kaohsiung Medical University

Education

Ph.D. / Institute of Basic Medical Sciences, National Cheng Kung University

M.S. / Department of Physiology, National Cheng Kung University

B.S. / School of Biology, Kaohsiung Medical College

Experiences

Assistant Professor / Department of Physiology, Kaohsiung Medical University

Projected Assistant Professor / Cardiovascular Research Center, National Cheng Kung University, Taiwan

Postdoctoral Research Fellow / Cardiovascular Research Center, National Cheng Kung University, Taiwan

Honor & Award

- Ministry of Science and Technology– Grants for University and College recruit special talents (2015)

Personal expertise

- Molecular Biology
- Physiology
- Dermatology

Selected Publications

1. Cheng, T.L., Lai, C.H., Chen, P.K., Cho, C.F., Hsu, Y.Y., Wang, K.C., Lin, W.L., Chang, B.I., Liu, S.K., Wu, Y.T., *et al.* (2015). Thrombomodulin promotes diabetic wound healing by regulating toll-like receptor 4 expression. *J Invest Dermatol* *135*, 1668-1675.
2. Cheng, T.L., Lai, C.H., Jiang, S.J., Hung, J.H., Liu, S.K., Chang, B.I., Shi, G.Y., and Wu, H.L. (2014). RHBDL2 is a critical membrane protease for anoikis resistance in human malignant epithelial cells. *ScientificWorldJournal* *2014*, 902987.
3. Cheng, T.L., Wu, Y.T., Lai, C.H., Kao, Y.C., Kuo, C.H., Liu, S.L., Hsu, Y.Y., Chen, P.K., Cho, C.F., Wang, K.C., *et al.* (2013). Thrombomodulin regulates keratinocyte differentiation and promotes wound healing. *J Invest Dermatol* *133*, 1638-1645.
4. Cheng, T.L., Wu, Y.T., Lin, H.Y., Hsu, F.C., Liu, S.K., Chang, B.I., Chen, W.S., Lai, C.H., Shi, G.Y., and Wu, H.L. (2011). Functions of rhomboid family protease RHBDL2 and thrombomodulin in wound healing. *J Invest Dermatol* *131*, 2486-2494.
5. Hsu, S.Y., Liou, J.W., Cheng, T.L., Peng, S.Y., Lin, C.C., Chu, Y.Y., Luo, W.C., Huang, Z.K., and Jiang, S.J. (2015). beta-Naphthoflavone protects from peritonitis by reducing TNF-alpha-induced endothelial cell activation. *Pharmacol Res* *102*, 192-199.
6. Lai, C.H., Shi, G.Y., Lee, F.T., Kuo, C.H., Cheng, T.L., Chang, B.I., Ma, C.Y., Hsu, F.C., Yang, Y.J., and Wu, H.L. (2013). Recombinant human thrombomodulin suppresses experimental abdominal aortic aneurysms induced by calcium chloride in mice. *Ann Surg* *258*, 1103-1110.
7. Lin, C.C., Cheng, T.L., Tsai, W.H., Tsai, H.J., Hu, K.H., Chang, H.C., Yeh, C.W., Chen, Y.C., Liao, C.C., and Chang, W.T. (2012). Loss of the respiratory enzyme citrate synthase directly links the Warburg effect to tumor malignancy. *Sci Rep* *2*, 785.
8. Wang, K.C., Li, Y.H., Shi, G.Y., Tsai, H.W., Luo, C.Y., Cheng, M.H., Ma, C.Y., Hsu, Y.Y., Cheng, T.L., Chang, B.I., *et al.* (2015). Membrane-Bound Thrombomodulin Regulates Macrophage Inflammation in Abdominal Aortic Aneurysm. *Arterioscler Thromb Vasc Biol* *35*, 2412-2422.