

花蓮慈濟醫院研究部

腫瘤免疫學實驗室

主持人：王凱弘

研究主題 **Cancer-associated mesenchymal stem cells (CaMSCs)**
Gynecological cancer: endometrial and ovarian cancer
Immunotherapy and cell therapy
Chinese herb medicine
Drug discovery

計劃與經費來源

主持人：

TCRD110-62

PD-L1與PD-L2在子宮內膜癌間質幹細胞的表達對於抑制免疫細胞之研究

TCRD111-80

研究辛伐他汀透過降低子宮內膜癌間質幹細胞免疫抑制作用抗腫瘤進展

TCRD112-062

研究癌症間質幹細胞刺激產生的CXCL1, CXCL2, CXCL3在子宮內膜癌化發展中扮演的角色與作用機轉

TCRD113-056

研究癌症間質幹細胞產生的IGFBP2與IGFBP6在子宮內膜癌化發展中扮演的角色與作用機轉

共同主持人：

TCRD110-75

鑑定血液惡性腫瘤患者的腫瘤浸潤淋巴細胞

IMAR-110-01-28

從臍帶血製造並增強具有功能性的自然殺手細胞和樹突細胞與臍帶血之血清、血漿的臨床應用

MOHW110-NRICM-M-124112005

創新中藥複方輔助治療癌症治療副作用之效益評估

TCMF-CM2-111-09

開發中藥合療於標準癌症療程後改善白血球低下之分子生物標誌

TCRD112-063

骨髓幹細胞對於卵巢癌細胞生長的效果及其與PD-1/PD-L1路徑的關聯性

TCRD113-050

骨髓幹細胞來源的外泌體和卵巢癌進展：NRF2的作用

研究成果

1. Anti-Proliferative Effect of Statins Is Mediated by DNMT1 Inhibition and p21 Expression in OSCC Cells. Dongoran RA, **Wang KH**, Lin TJ, Yuan TC, Liu CH. Cancers (Basel). 2020 Jul 28;12(8):2084. **IF=6.126.**
2. Dual targeting of TAM receptors Tyro3, Axl, and MerTK: Role in tumors and the tumor immune microenvironment. **Wang KH**, Ding DC. Tzu Chi Med J. 2020 Oct 15;33(3):250-256.
3. Novel FLT3/AURK multikinase inhibitor is efficacious against sorafenib -refractory and sorafenib-resistant hepatocellular carcinoma. Lai YL, **Wang KH**, Hsieh HP, Yen WC. J Biomed Sci. 2022 Jan 21;29(1):5. **IF=8.41.**
4. Endometrial Cancer-Infiltrating Mesenchymal Stem Cells Exhibit Immunosuppressive Effects. **Wang KH**, Chang YH, Harnod T, Ding DC. Cell Transplant. 2022 Jan-Dec;31:9636897221104452. **IF=4.139.**
5. Role of cancer-associated mesenchymal stem cells in the tumor microenvironment: a review. **Wang KH**, Ding DC. Tzu Chi Med J. 2022 Aug 1;35(1):24-30.
6. Statin as Repurposed Drugs in Gynecological Cancer: A Review. **Wang KH**, Liu CH, Ding DC. Int J Mol Sci. 2022 Nov 11;23(22):13937. **IF=6.208.**
7. Effects of the Overexpression of Progesterone Receptors on a Precancer p53 and Rb-Defective Human Fallopian Tube Epithelial Cell Line. Chang YH, Wu KC, **Wang KH**, Ding DC. Int J Mol Sci 2023 Jul 23;24(14):11823. **IF=5.6 .**
8. The role and applications of exosomes in gynecological cancer: A review. **Wang KH**, Ding DC. Cell Transplantation 2023 Jan-Dec;32:9636897231195240. **IF=3.3 .**
9. Role of LRRN4 in promoting malignant behavior in a p53- and Rb-defective human fallopian tube epithelial cell line. Chang YH, Wu KC, **Wang KH**, Ding DC. American Journal of Cancer Research 2023 Aug 15;13(8):3324-3341. **IF=5.3.**
10. Assessment of Fallopian Tube Epithelium Features Derived from Induced Pluripotent Stem Cells of Both Fallopian Tube and Skin Origins. Chang YH, Wu KC, **Wang KH**, Ding DC. Cells 2023 Nov 16;12(22):2635. **IF=6.0.**