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Current Positions Professor and Vice Chairman, Graduate Institute of Biomedical Sciences
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Education

Postdoc. Department of Molecular and Cellular Oncology, UT. M.D. Anderson Cancer Center(2006-2007)
Postdoc. Department of Pharmacology, College of Medicine, National Taiwan University(2003-2006)
Ph.D. Department of Pharmacology, College of Medicine, National Taiwan University(2000-2003)
Master Department of Pharmacology, College of Medicine, National Cheng-Kung University(1998-2000)

Expertise

Pharmacology Signal transduction Cancer Biology

Research Interests

Epigenetic regulation and Metabolic reprogramming in cancer progression and therapeutic efficacy of target and immune therapies.

Selected Grants:

- PI:
1. Roles of long noncoding RNAs in HER2/EZH2 axis-mediated cancer progression. MOST109-2320-B-039-014 (20200801-20210731)
- Co-PI:
1. Roles of serine synthesis pathway in cigarette smoke-induced cancer progression. MOST 109-2314-B-039-050 (20200801-20210731)
 2. The anti-tumor activity of snail mucus with electrospun nanofibrous scaffolds. MOST 109-2314-B-039-015 (20200801-20210731)

Selected Publications

1. Fang-Ju Cheng, Chia-Hung Chen, Wen-Chen Tsai, Bo-Wei Wang, Meng-Chieh Yu, Te-Chun Hsia, Ya-Ling Wei, Yu-Chun Hsiao, Dai-Wei Hu, Chien-Yi Ho, Tzong-Shiun Li, Chun-Yi Wu, Wen-Yu Chou, Yung-Luen Yu, Chih-Hsin Tang, Chih-Yi Chen, Chuan-Mu Chen, Jennifer L. Hsu, Hsiao-Fan Chen, Yeh Chen, Chih-Yen Tu, Mien-Chie Hung, **Wei-Chien Huang** (2020) Cigarette Smoke-induced LKB1/AMPK Pathway Deficiency Reduces EGFR TKI Sensitivity in NSCLC. *Oncogene*. Accepted **IF=7.9**
2. Yu-Chun Hsiao, Chia-Hung Chen, Fang-Ju Cheng, Te-Chun Hsia, Chi-Yi Chen, Yihua Wang, Zhang weihua, Chun-Yi Wu, Ruey-Hwang Chou, Chih-Hsin Tang, Yun-Ju Chen, Ya-Ling Wei, Jennifer Hsu, Chih-Yen Tu, Mien-Chie Hung, and **Wei-Chien Huang** (2020). PKC δ -mediated SGLT1 upregulation confers the acquired resistance of NSCLC to EGFR TKIs. *Oncogene*. Under revision **IF=7.9**
3. Yeh Chen*, **Wei-Chien Huang***, Chia-Shin Yang, Fang-Ju Cheng, Yi-Fang Chiu, Thanh Kieu Huynh, Chih-Feng Huang, Chia-Hung Chen, Hsueh-Chun Wang and Mien-Chie Hung. (2020). A FRET-based

TMPRSS2 enzymatic activity strategy for discovering new COVID-19 treatment. American Journal of Cancer Research. Accepted. **IF=5.2**

- Thanh Kieu Huynh, Chien-Yi Ho, Chi-Hua Tsai, Chien-Kuo Wang, Yun-Ju Chen, Da-Tian Bau, Chih-Yen Tu, Tzong-Shiun Li*, **Wei-Chien Huang*** (2019) Proteasome Inhibitors Suppress ErbB Family Expression Through HSP90-Mediated Lysosomal Degradation , INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES , 2019 Sep , 2019(20):1-15

Selected Patents

- Yun-Ju Chen, Wei-Chien Huang, Jhen-Yu Chen, Pei-Hsuan Chien, Wen-Shu Chen. HBx基因表現程度作為分子指標之用途 I522472 2016.2.21 ~ 2034.2.18 中華民國發明專利
- Yun-Ju Chen, Wei-Chien Huang, Jhen-Yu Chen, Pei-Hsuan Chien, Wen-Shu Chen. 評估拉帕替尼於肝癌療效的用法與ErbB3基因表現程度作為分子指標之用途 I535852 2016.6.1 ~ 2034.2.18 中華民國發明專利