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Current Positions Graduate Institute of Biomedical Sciences
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Education

Ph.D., Cancer Biology

Institute of Clinical Medicine, National Yang-Ming University, Taipei, Taiwan (2008 - 2012)

M.S., Biochemistry

Institute of Biochemistry, National Chung-Hsing University, Taichung, Taiwan (2002 - 2005)

B.S., Environmental Engineering

Department of Environmental Engineering and Science, Feng-Chia University, Taichung, Taiwan (1998 - 2002)

Expertise

- Mechanism study in cancer biology
- Immune oncology
- Biomarker discovery for precision medicine
- Clinical implication of basic research

Research Interests

Cancer metastasis, cancer immunity and cancer stem cells

Selected Grants:

The grant from the Ministry of Science and Technology (2020)

Selected Publications

1. **Yang WH**, Lan HY, Huang CH, Tai SK, Tzeng CH, Kao SY, Wu KJ, Hung MC and Yang MH. RAC1 activation mediates Twist1-induced cancer cell migration. *Nat Cell Biol.* **2012**; 14:366-74.
2. Cha JH*, **Yang WH***, Xia W, Wei Y, Chan LC, Lim SO, Li CW, Kim T, Chang SS, Lee HH, Hsu J, Wang HL, Kuo CW, Chang WC, Hadad S, Purdie CA, McCoy AM, Cai S, Tu Y, Litton JK, Mittendorf EA, Moulder SL, Symmans WF, Thompson AM, Piwnicka-Worms H, Chen CH, Khoo KH and Hung MC. Metformin promotes antitumor immunity via endoplasmic reticulum-associated degradation of PD-L1. *Molecular Cell* **2018**; 71(4):606-620.e7.
3. **Yang WH***, Cha JH*, Xia W, Lee HH, Chan LC, Wang YN, Hsu JL, Ren GX and Hung MC. Juxtacrine signaling inhibits antitumor immunity via upregulating PD-L1. *Cancer Research* **2018**; 78(14):3761-3768.