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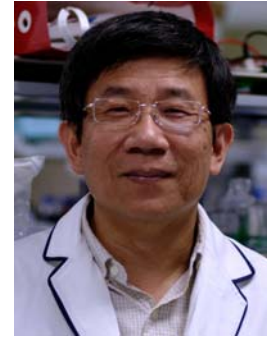
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Title

- Assistant Professor

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**Resume**

- Experiences:
2005-2011 Postdoctoral Fellow, Genomics Research Center, Academia Sinica.
2011- Assistant Professor, Graduate Institute of Biomedical Science, China Medical University

Fields of Specialty

- Proteomics
- Protein biology

Research

- Lung cancer
- Recurrence/Metastasis
- Chinese herbal medicine-assisted therapy

Paper & Project

- Chou CK, Fan CC, Lin PS, Liao PY, Tung JC, Hsieh CH, Hung MC, Chen CH, **Chang WC**. Sciellin mediates mesenchymal-to-epithelial transition in colorectal cancer hepatic metastasis. *Oncotarget*. 2016; 7(18):25742-25754.
- Du Y, Yamaguchi H, Wei Y, Hsu JL, Wang HL, Hsu YH, Lin WC, Yu WH, Leonard PG, Lee GR 4th, Chen MK, Nakai K, Hsu MC, Chen CT, Sun Y, Wu Y, **Chang WC**, Huang WC, Liu CL, Chang YC, Chen CH, Park M, Jones P, Hortobagyi GN, Hung MC. Blocking c-Met-mediated PARP1 phosphorylation enhances anti-tumor effects of PARP inhibitors. *Nat Med*. 2016; 22(2):194-201.

- Lim SO, Li CW, Xia W, Lee HH, Chang SS, Shen J, Hsu JL, Raftery D, Djukovic D, Gu H, **Chang WC**, Wang HL, Chen ML, Huo L, Chen CH, Wu Y, Sahin A, Hanash SM, Hortobagyi GN, Hung MC. EGFR Signaling Enhances Aerobic Glycolysis in Triple-Negative Breast Cancer Cells to Promote Tumor Growth and Immune Escape. *Cancer Res.* 2016; 76(5):1284-1296.
- Tsai ST, Wang PJ, Liou NJ, Lin PS, Chen CH, **Chang WC**. ICAM1 Is a Potential Cancer Stem Cell Marker of Esophageal Squamous Cell Carcinoma. *PLoS One.* 2015; 10:e0142834.
- Liao HW, Hsu JM, Xia W, Wang HL, Wang YN, **Chang WC**, Arold ST, Chou CK, Tsou PH, Yamaguchi H, Fang YF, Lee HJ, Lee HH, Tai SK, Yang MH, Morelli MP, Sen M, Ladbury JE, Chen CH, Grandis JR, Kopetz S, Hung MC. PRMT1-mediated methylation of the EGF receptor regulates signaling and cetuximab response. *J Clin Invest.* 2015; 125:4529-4543.
- Jiang BH, Chen WY, Li HY, Chien Y, **Chang WC**, Hsieh PC, Wu P, Chen CY, Song HY, Chien CS, Sung YJ, Chiou SH. CHD1L regulated PARP1-driven Pluripotency and Chromatin Remodeling during the Early-stage Cell Reprogramming. *Stem Cells.* 2015; 33:2961-2972.
- Sun Y, Ponz-Sarvise M, Chang SS, **Chang WC**, Chen CH, Hsu JL, Hung MC. Proteasome inhibition enhances the killing effect of BikDD gene therapy. *Am J Transl Res.* 2015; 7:319-327.
- Sun Y, Ponz-Sarvise M, Chang SS, **Chang WC**, Chen CH, Hsu JL, Hung MC. Proteasome inhibition enhances the killing effect of BikDD gene therapy. *Am J Transl Res.* 2015; 7:319-327.
- Lee HJ, Lan L, Peng G, **Chang WC**, Hsu MC, Wang YN, Cheng CC, Wei L, Nakajima S, Chang SS, Liao HW, Chen CH, Lavin M, Ang KK, Lin SY, Hung MC. Tyrosine 370 phosphorylation of ATM positively regulates DNA damage response. *Cell Res.* 2015; 25:225-236.
- Huo L, Li CW, Huang TH, Lam YC, Xia W, Tu C, **Chang WC**, Hsu JL, Lee DF, Nie L, Yamaguchi H, Wang Y, Lang J, Li LY, Chen CH, Mishra L, Hung MC. Activation of Keap1/Nrf2 signaling pathway by nuclear epidermal growth factor receptor in cancer cells. *Am J Transl Res.* 2014; 6:649-663.
- Chang YC, **Chang WC**, Hung KH, Yang DM, Cheng YH, Liao YW, Woung LC, Tsai CY, Hsu CC, Lin TC, Liu JH, Chiou SH, Peng CH, Chen SJ. The generation of induced pluripotent stem cells for macular degeneration as a drug screening platform: identification of curcumin as a protective agent for retinal pigment epithelial cells against oxidative stress. *Front Aging Neurosci.* 2014; 6:191.

- Thirumurthi U, Shen J, Xia W, LaBaff AM, Wei Y, Li CW, **Chang WC**, Chen CH, Lin HK, Yu D, Hung MC. MDM2-mediated degradation of SIRT6 phosphorylated by AKT1 promotes tumorigenesis and trastuzumab resistance in breast cancer. *Sci Signal*. 2014; 7:ra71.
- Chou RH, Wang YN, Hsieh YH, Li LY, Xia W, **Chang WC**, Chang LC, Cheng CC, Lai CC, Hsu JL, Chang WJ, Chiang SY, Lee HJ, Liao HW, Chuang PH, Chen HY, Wang HL, Kuo SC, Chen CH, Yu YL, Hung MC. EGFR modulates DNA synthesis and repair through Tyr phosphorylation of histone H4. *Dev Cell*. 2014; 30:224-237.
- Chang KC, **Chang WC**, Chang Y, Hung LY, Lai CH, Yeh YM, Chou YW, Chen CH. Ran GTPase-activating protein 1 is a therapeutic target in diffuse large B-cell lymphoma. *PLoS One*. 2013; 8:e79863.
- Huang TH, Huo L, Wang YN, Xia W, Wei Y, Chang SS, **Chang WC**, Fang YF, Chen CT, Lang JY, Tu C, Wang Y, Hsu MC, Kuo HP, Ko HW, Shen J, Lee HH, Lee PC, Wu Y, Chen CH, Hung MC. Epidermal growth factor receptor potentiates MCM7-mediated DNA replication through tyrosine phosphorylation of Lyn kinase in human cancers. *Cancer Cell*. 2013; 23:796-810.
- Shen J, Xia W, Khotskaya YB, Huo L, Nakanishi K, Lim SO, Du Y, Wang Y, **Chang WC**, Chen CH, Hsu JL, Wu Y, Lam YC, James BP, Liu X, Liu CG, Patel DJ, Hung MC. EGFR modulates microRNA maturation in response to hypoxia through phosphorylation of AGO2. *Nature*. 2013; 497:383-387.
- Chiou SH, Jiang BH, Yu YL, Chou SJ, Tsai PH, **Chang WC**, Chen LK, Chen LH, Chien Y, Chiou GY. Poly(ADP-ribose) polymerase 1 regulates nuclear reprogramming and promotes iPSC generation without c-Myc. *J Exp Med*. 2013; 210:85-98.
- Kuo WY, Huang CH, Liu AC, Cheng CP, Li SH, **Chang WC**, Weiss C, Azem A, Jinn TL. CHAPERONIN 20 mediates iron superoxide dismutase (FeSOD) activity independent of its co-chaperonin role in Arabidopsis chloroplasts. *New Phytol*. 2013, 197:99-110.