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Name: YUNG-LUEN YU, Ph.D.

Current Positions

Professor and Director, Ph.D. Program for Translational Medicine, CMU
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Professor, Graduate Institution of Biomedical Sciences, CMU
Research Fellow, Center for Molecular Medicine, CMUH

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Education

Ph.D., Graduate Institute of Life Sciences, National Defense Medical Center, Taiwan (2002)
Postdoctoral fellow, Institute of Biomedical Sciences, Academia Sinica, Taiwan (2002-2004)
Postdoctoral fellow, Department of Molecular and Cellular Oncology, University Texas M. D. Anderson Cancer Center (2005-2007)

Expertise

Cancer Epigenetics and Epigenome
Histone Modifications and Gene Regulation
Cancer Progression and Metastasis

Research Interests

The research themes in my lab aim to decipher the signaling pathways important for cancer epigenetic regulation and epigenome. We have combined the molecular, biochemical approaches and disease mouse model to address the relevant epigenetics regulation in cancer progression and metastasis. Several areas of the research are actively studied in my lab.

Selected Grants:

- PI:
1. Ministry of Science and Technology (MOST). (MOST 109-2320-B-039 -013 -MY3)
 2. Ministry of Education (MOE). (MOE 109)

Selected Publications

1. **Yu YL***, Chou RH, Shyu WC, Hsieh SC, Wu CS, Chiang SY, Chang WJ, Chen JN, Tseng YJ, Lin YH, Lee W, Yeh SP, Hsu JL, Yang CC, Hung SC, Hung MC. Smurf2-mediated degradation of EZH2 enhances neuron differentiation and improves functional recovery after ischaemic stroke. **EMBO Mol Med.** 2013 Apr; 5(4):531-47.
2. Chiou GY[#], Chien CS[#], Wang ML[#], Chen MT[#], Yang YP[#], **Yu YL***, Chien Y, Chang YC, Shen CC, Chio CC, Lu KH, Ma HI, Chen KH, Liu DM, Miller SA, Chen YW, Huang PI, Shih YH, Hung MC, Chiou SH. Epigenetic Regulation of the miR142-3p/Interleukin-6 Circuit in Glioblastoma. **Mol Cell.** 2013 Dec 12; 52(5): 679-692.
3. Wu CS, Yen CJ, Chou RH, Chen JN, Huang WC, Wu CY, **Yu YL***. Downregulation of microRNA-15b by hepatitis B virus X enhances hepatocellular carcinoma proliferation via fucosyltransferase 2-induced Globo H expression. **Int J Cancer.** 2014 Apr 1;134(7):1638-47.
4. Chou RH, Wang YN, Hsieh YH, Li LY, Xia W, Chang WC, Chang LC, Cheng CC, Lai CC, Hsu J L, Chang WJ, Chiang SY, Lee HJ, Liao HW, Chuang PH, Chen HY, Kuo SC, Chen CH, **Yu YL*** and Hung MC. EGFR modulates DNA synthesis and repairs through Tyr phosphorylation of Histone H4. **Dev Cell** 2014 Jul 28;30(2):224-237.