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WEN-HSUAN "ROSE" YU

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SKILLS SUMMARY

Project Management

- Grants, peer-review articles and technical notes writing in English.
- Supervising junior students and technicians.
- Collaborating with diverse colleagues including scientists and clinicians.
- Conference presentation in English.

Technical Skills

- Experienced in molecular biology, cell biology and biochemistry techniques: Molecular Cloning; Cell culture; Western Blotting; quantitative PCR; ELISA; Immunoprecipitation; Protein purification; Flow cytometry; Confocal microscopy; Fluorescence microscopy; Immunohistochemistry.
- Performing mouse cancer models, including xenograft, orthotopic and PDX models.

EDUCATION

The University of Texas Health Science Center at Houston, Houston, Texas 2009 – Present
Graduate School of Biomedical Sciences (Expected Graduation *2015 Dec.*)

- Graduate Student, Ph.D. Candidate in Cancer Biology

National Taiwan University, Taipei, Taiwan 2002 - 2007

- Bachelor of Science in Life Science,
- Bachelor of Science in Finance, (Double Major)

RESEARCH AND WORK EXPERIENCE

Graduate Research Assistant *2009 - Present*
MD Anderson Cancer Center, Houston, Texas

- Validated and engineered fusion protein for inhibition of cancer stem cells.
- Developed marker-guided combinational therapy in triple negative breast cancer.

Research Assistant *2007- 2009*
University of North Carolina, Chapel Hill

- Investigated mechanisms of the Vitamin K cycle by engineering enzymes into a Nano-disc system.

Undergraduate Research *2004- 2006*
Graduate Institute of Immunology, National Taiwan University College of Medicine

- Investigated the role of lipid rafts associated signaling in TRAIL-induced NF-κB activation and T cell activation. [Funded by the Undergraduate Student Fellowship, National Science Council]

AWARDS AND PRESENTATIONS

Poster Presentation Award, Cancer Biology Program Retreat UTHSC, *Apr.* 2015
Poster Presentation, CPRIT Conference 2012
CPRIT Fellowship Award, *2011– 2012*
National Science Council, Undergraduate Student Fellowship, 2005-2006
The Dean's Award of National Taiwan University College of Life Science (GPA Ranked Top 10%), NTU 2006
Student Service Education Award, NTU 2006
Presidential Awards - 2 semesters (GPA Ranked Top 5%), NTU
The Dean's List (GPA Ranked Top 10%), NTU

PUBLICATIONS

1. Jeng-Shou Chang*, **Wen-Hsuan Yu***, Chia-Yi Su , Yu-Peng Liu , Tsung-Ching Lai , Yih-Hua Jan , Yi-Fang Yang , Chia-Ning Shen , Jin-Yuh Shew , Jean Lu , Chih-Jen Yang , Ming-Shyan Huang , Pei-Jung Lu , Min-Liang Kuo , Kuo-Tai Hua, Michael Hsiao. GIT1 Promotes Lung Cancer Cell Metastasis through Modulating Rac1/Cdc42 Activity and Is Associated with Poor Prognosis. In review with *Oncotarget.* (***Equal contribution first author**)
2. Yi Du, Hirohito Yamaguchi, Yongkun Wei, Jennifer L. Hsu, Hung-Ling Wang, Yi-Hsin Hsu, Wan-Chi Lin, **Wen-Hsuan Yu**, Mei-Kuang Chen, Chun-Te Chen, Ming-Chuan Hsu, Katsuya Nakai, Ye Sun, Yun Wu, Wei-Chao Chang, Wen-Chien Huang, Chien-Liang Liu, Yuan-Ching Chang, Chung-Hsuan Chen, Gabriel N. Hortobagyi, and Mien-Chie Hung. Blocking c-Met-mediated PARP1 phosphorylation enhances PARP inhibitor response. In review with *Nature Medicine*.
3. Chang CJ, Chao CH, Xia W, Yang JY, Xiong Y, Li CW, **Yu WH**, Rehman SK, Hsu JL, Lee HH, Liu M, Chen CT, Yu D, Hung MC. p53 regulates epithelial-mesenchymal transition and stem cell properties through modulating miRNAs. *Nat Cell Biol*. 13(3):317-23,2011
4. Chen CT, Yamaguchi H, Lee HJ, Du Y, Lee HH, Xia W, **Yu WH**, Hsu JL, Yen CJ, Sun HL, Wang Y, Yeh ET, Hortobagyi GN, Hung MC. Dual targeting of tumor angiogenesis and chemotherapy by endostatin-Cytosine deaminase-uracil phosphoribosyltransferase. *Mol Cancer Ther*. 10(8):1327-36, 2011

OTHER EXPERIENCES

President of Taiwanese Student Association, GSBS Program of UT Health Science Center at Houston, 2010-2011