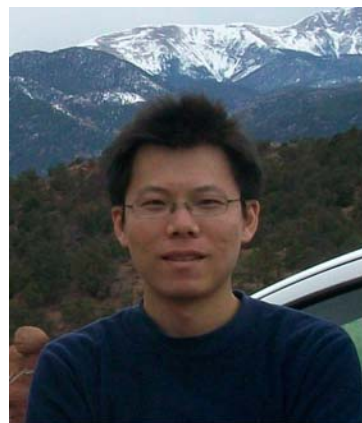


CURRICULUM VITAE

Chia-Hung Yen Ph.D.
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Specialty:

Molecular Biology, Tumor Biology, Biochemistry, High throughput drug screen, Molecular Toxicology

Research Interests:

High throughput screening is an important technique in the early stage of drug development. One of my research interests is establishment of various cell-based platforms for high throughput screening. Currently, we focus on the development of screening platforms for identifying novel drugs against liver cancer, hepatic steatosis and atherosclerosis. Moreover, by using different cell and mouse models, we can further evaluate the potency of screening hits to identify drug leads that are suitable for new drug development.

Academic Qualification:

2004.09 - 2009.01 Ph.D., Molecular Medicine Program, Institute of Public Health, School of Medicine, National Yang-Ming University, Taipei, Taiwan.

1999.09 - 2001.11 M.S., Institute of Biochemical Science, College of Science, National Taiwan University, Taipei, Taiwan.

1995.09 - 1999.07 B.Sc., Department of Applied Chemistry, National Chiao-Tung University, Hsinchu, Taiwan.

Personal Experiences:

2013 - Assistant Professor, Graduate Institute of Natural Products, College of Pharmacy, KMU, Kaohsiung, Taiwan.

2009.02 - 2013.01 Postdoctoral research associate, Institute of Microbiology and Immunology, National Yang-Ming University, Taipei, Taiwan.

2003.09 - 2004.08 Research assistant, Institute of Public Health, National Yang-Ming University, Taipei, Taiwan.

Academic Honors and Awards:

2009 Excellent Award at the Annual Thesis Competition of National Yang-Ming

Publications:

1. **Yen CH**, Lin YT, Chen HL, Chen SY, Chen YM. The Multi-functional Roles of GNMT in Toxicology and Cancer. (Invited review article). *Toxicol Appl Pharmacol.* 2013; 266:67-75. **SCI**
2. Lin IY, **Yen CH**, Liao YJ, Lin SEn, Ma HP, Chan YJ, Chen YM. Identification of FKBP11 as a Biomarker for Hepatocellular Carcinoma. *Anticancer Res.* (Accepted). **SCI**
3. Lin YT, **Yen CH**, Chen HL, Liao YJ, Lin IF, Chen M, Lan YC, Chuang SY, Hsieh SL, Chen YM. The Serologic Decoy Receptor 3 (DcR3) Levels are Associated with Slower Disease Progression in HIV-1/AIDS Patientsr. *J Formos Med Assoc.* (Accepted). **SCI**
4. **Yen CH**, Lu YC, Li CH, Lee CM, Chen CY, Cheng MY, Huang SF, Chen KF, Cheng AL, Liao LY, Wu Lee YH and Chen YM. Functional Characterization of Glycine N-methyltransferase and its Interactive Protein-DEPDC6/DEPTOR in Hepatocellular Carcinoma. *Mol Med.* 2012; 18:286-296. **SCI**
5. Liu SP, Li YS, Lee CM, **Yen CH**, Liao YJ, Huang SF, Chien CH, Chen YM. Higher susceptibility to aflatoxin B₁-related hepatocellular carcinoma in glycine N-methyltransferase knockout mice. *Int J Cancer.* 2011; 128:511-523. **SCI**
6. Chen YM, **Yen CH**, Liu SP, Liao YJ. Response to the Letter to the Editor from Dr. Conrad Wagner. *Toxicol Appl Pharmacol.* 2009; 237:247. **SCI**
7. **Yen CH**, Hung JH, Ueng YF, Liu SP, Chen SY, Liu HH, Chou TY, Tsai TF, Darbha R, Hsieh LL, Chen YM. Glycine N-methyltransferase affects the metabolism of aflatoxin B₁ and blocks its carcinogenic effect. *Toxicol Appl Pharmacol.* 2009; 235:296-304. **SCI**
8. Liao YJ, Liu SP, Lee CM, **Yen CH**, Chuang PC, Chen CY, Tsai TF, Huang SF, Wu Lee TH, Chen YM. Characterization of a glycine N-methyltransferase gene knockout mouse model for hepatocellular carcinoma. *Int J Cancer.* 2009; 124: 816-826. **SCI**
9. **Yen CH**, Lai XT, Lu YC, Liao CC, Chen YM. Phosphorylation of serine 9 is required for Benzo[a]pyrene induced nuclear translocation of GNMT. (Manuscript in preparation.)
10. **Yen CH**, Chen KH, Lee CH, Chan CW, Chen YM. Development and validation of a new monoclonal antibody to mammalian DEPTOR. (Manuscript in preparation.)
11. **Yen CH**, Lee CM, Chen CY, Lu LH, Lin WJ, Lai MC, Cheng MY and Chen YM. Characterization of a human GNMT homologue protein in *Saccharomyces cerevisiae*. (Manuscript in preparation.)

Conference abstract:

1. Chen SY, Yen CH, Darbha R., Liu HH, Hsieh LL, Ji XH and Chen YM. Characterization of Glycine N-methyltransferase in the Aflatoxin B₁ Metabolic

- Pathway. **The 14th Symposium on Recent Advances in Cellular and Molecular Biology.** Pingtung, Taiwan. Jan. 2006. (poster)
2. Chen SY, Yen CH, Darbha R., Liu HH, Hsieh LL, Ji XH and Chen YM. Characterization of Glycine N-methyltransferase in the Aflatoxin B1 Metabolic Pathway. **The 21th Joint Annua Conference of Biomedical Science.** Taipei, Taiwan. Mar. 2006. (poster)
 3. Yen CH, Chen YM. Glycine N-methyltransferase affects the metabolism of aflatoxin B1 and blocks its carcinogenic effect. **The AACR 100th Annual Meeting.** Denver, USA. Apr. 2009. (poster)
 4. Lee CM, Yen CH, Chen YM. Androgen response element of the glycine N-methyltransferase gene is located in first intron. **The AACR 101th Annual Meeting.** Washington, DC, USA. Apr. 2010. (poster)
 5. Liu SP, Li YS, Lee CM, Yen CH, Liao YJ, Huang SF, Chien CH, Chen YM. Synergistic effects of aflatoxin B1 exposure and glycine N-methyltransferase deficiency in hepatocarcinogenesis. **The AACR 101th Annual Meeting.** Washington, DC, USA. Apr. 2010. (poster)
 6. Yen CH, Chen YM. GNMT activates mTOR/Raptor signaling and delays G2/M progression through interacting with DEPTOR. **The AACR 102nd Annual Meeting.** Orlando, USA. Apr. 2011. (poster)
 7. Lu YC, Yen CH, Lai XT, Chen YM. Phosphorylation of serine 9 is required for benzo(a)pyrene induced GNMT nuclear translocation. **The AACR 102nd Annual Meeting.** Orlando, USA. Apr. 2011. (poster)
 8. Yen CH, Chen YM. GNMT activates mTOR/Raptor signaling and delays G2/M progression through interacting with DEPTOR. **13th Society of Chinese Bioscientists in America (SCBA) International Symposium,** Guangzhou, China. July, 2011. (poster)
 9. Lu YC, Yen CH, Lai XT, Chen YM. Phosphorylation of serine 9 is required for benzo(a)pyrene induced GNMT nuclear translocation. **13th Society of Chinese Bioscientists in America (SCBA) International Symposium, Guangzhou, China.** July, 2011. (poster)
 10. Li CH, Yen CH, Chen YM. Activation of PI3K pathway by P-RRex2 is inhibited by GNMT. **13th Society of Chinese Bioscientists in America (SCBA) International Symposium,** Guangzhou, China. July, 2011. (poster)
 11. Yen CH, Huang SF, Chen KF, Cheng AL, Liao LY, Chen YM. GNMT expression activates mTOR/Raptor signaling but delays G2/M progression in hepatocellular carcinoma. **2011 Taiwan Digestive Disease Week Satellite Symposium.** Taipei, Taiwan. Oct 9. 2011. **(Oral presentation)**
 12. Yen CH, Lu YC, Li CH, Huang SF, Chen YM. Characterization of the Functions of Glycine N-methyltransferase (GNMT) and its Interactive Protein-DEPTOR in the Pathogenesis of Hepatocellular Carcinoma. **PTEN Pathways & Targets meeting.** Cold Spring Harbor. NY, USA. 2012. (poster)

Journal reviewer:

Toxicological Sciences, 2009

Archives of Medical Research, 2010

BMC Research Notes, 2011

Journal of Biomedical Science, 2011

Food and Chemical Toxicology, 2012

Patent:

1. United States Patent: A NOVEL TUMOR MARKER, ITS MONOCLONAL ANTIBODIES AND USAGE. APPLICATION NO. 13/558,885
2. Taiwan Patent: USING GNMT AS A NOVEL THERAPEUTIC OR PREVENTING AGENT FOR FATTY LIVER DISEASE. APPLICATION NO. 101141570