

# CURRICULUM VITA

**A-Mei Huang, Ph.D., 黃阿梅**

## PERSONAL INFORMATION

Position: Assistant professor

Kaohsiung Medical University

Department of Medicine, Graduate Institute of Biochemistry

Nationality: Taiwan

Gender: Female

Marital status: Married

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## EDUCATION

1993/9~2000/6 Ph.D. Institute of Genetics, National Yang-Ming University, Taipei, Taiwan (**Cloning and Characterization of a Human Serine/Threonine Kinase, HsHPK. Professor Chen-Kung Chou**)

1990/9~1992/6 M.S. Institute of Genetics, Yang-Ming Medical College, Taipei, Taiwan (**Expression and Characterization of the cutR Gene Product in *Streptomyces lividans*. Professors Carton W. Chen and Chen-Kung Chou**)

1986/10~1990/6 B.S. Department of Biology, Tunghai University, Taichung, Taiwan

## CHRONOLOGY OF EMPLOYMENT

2005/8- date Assistant professor, Department of Medicine, Graduate Institute of Biochemistry, KMU

2006/8- date Adjunct Assistant Professor, Graduate Institute of Medicine, KMU

2008/8- 2009/7 Adjunct Assistant Researcher, Center of Excellence for Environmental Medicine, KMU

- 2000/10-2005/7 Visiting Fellow, Molecular Mechanisms in Development Group,  
Regulation of Cell Growth Laboratory, Center for Cancer Research,  
NCI-Frederick, Frederick, MD (**In Dr. Esta Sterneck's lab**)
- 1992-1993 Research assistant, Endocrinology Laboratory, General Veterans  
Hospital, Taipei, Taiwan (**In Professor Chen-Kung Chou's Lab**)

## **PROFESSIONAL ACTIVITIES**

- 2006-date Organizer of KMU club meeting with ~20 principle investigators at KMU,  
Taiwan (<http://amhuang.dlearn.kmu.edu.tw/team/KMUclub.htm>)
- 1995 Co-organizer of the invited speakers' seminar series at Institute of  
Genetics, National Yang-Ming University, Taipei, Taiwan

## **MEMBERSHIPS**

- 2005-date Associate Membership, The Chinese Society of Cell and Molecular  
Biology
- 2006-date Professional Membership, American Association for the Advancement  
of Science (AAAS)
- 2009-date Active Membership, American Association for Cancer Research  
(AACR)
- 2004-2005 Associate Membership, American Association for Cancer Research  
(AACR)
- 2003-2005 Postdoc Membership, American Association for the Advancement of  
Science (AAAS)

## **SPECIALITY**

Cell Biology, Molecular Biology, Cancer Biology, Cell Cycle, Signal Transduction,  
and Gene Regulation

## **AD HOC REVIEWER**

- 2011 Biochemical Pharmacology
- 2010 Biochemical Pharmacology
- 2009 Journal of Cancer Molecules
- 2004 International Journal of Biochemistry and Cell Biology

## **OTHERS**

- 2007/8-date reviewer of Institutional Review Board (IRB) in KMHU
- 2010 reviewer of NSC grant proposal

## RESEARCH INTERESTS

My laboratory is mainly focusing on studying the molecular roles of transcription factor CCAAT/enhancer binding protein delta (C/EBPdelta).

The main projects are

- 1) Molecular characterization of C/EBPdelta in maintaining genomic stability in mouse embryonic fibroblasts (MEFs);
- 2) The role of C/EBPdelta in apoptosis and cell cycle regulation;
- 3) Molecular mechanisms of C/EBPdelta-mediated drug resistance in human urothelial carcinoma cells.
- 4) Exploration of alternative therapeutic strategies for chemo-drug resistance by identification of novel compounds with diverse biological activities.

## COURSES

### 1. Undergraduate students

**Biochemistry:** Catabolism of Amino Acids, Biosynthesis of Amino Acids, Nucleotides, and Related Molecules, Hormone Action and Biosignaling, Nucleotides and Nucleic Acids, Nucleotides Metabolism, Genes and Chromosomes, DNA Replication, Repair, Recombination, Rearrangement and Amplification, Information Readout : Transcription, Information Decoding : Translation, Eukaryotic Genes and Regulation of Gene Expression, and DNA-based information technologies. **Biochemistry laboratory courses, General Education courses** (The code of life-DNA & DNA recombinant techniques), and **Professional English** (Writing cover letter)

### 2. Graduated students

Seminar, Transcription factors and diseases & gene regulation in development, DNA recombination and transposons & Recombinant DNA and Biotechnology, Germ cells and fertilization, Development of multicellular organisms, Transcription factors in oncology, Navigation of web resources for biomedical researches & Genomic instability assay methods, Bioinformatics and its applications

## GRANTS

1. Evaluating CEBPD-mediated pathways in human urothelial carcinoma treatment: the molecular mechanisms in drug resistance (2011/8/1~2012/7/31)  
Grant ID : 100-2320-B-037-013- (NSC)  
Role : Principle investigator
2. Molecular mechanisms of CEBPD-mediated cisplatin resistance in human urothelial carcinoma cells (2008/8~2011/7)  
Grant ID : 97-2320-B-037-018-MY3 (NSC)

Role : Principle investigator

3. Identification of differential expression regulatory networks associated with drug response in chemosensitive and chemoresistant breast cancer (2009/8/1~2010/7/31)

Grant ID : 98-2218-E-231-002- (NSC)

Role : Co-principle investigator

4. Molecular mechanisms of transcription factor Cebpδ in maintenance of genome integrity in mouse embryonic fibroblasts (2008/4/1~2008/12/31)

Grant ID : KMU-M097004 (KMU)

Role : Principle investigator

5. The role of C/EBPδ in cisplatin resistance (2006/12~2007/7)

Grant ID : KMU-Q096009 (KMU)

Role : Principle investigator

6. Molecular mechanisms of C/EBPδ in apoptosis of breast tumor cells (2006/8~2007/7)

Grant ID : NSC 95-2320-B-037-048 (NSC)

Role : Principle investigator

7. The role of C/EBPδ in the maintenance of genomic integrity (2006/1~2006/7)

Grant ID : KMU-Q095018 (MKU)

Role : Principle investigator