

## **Contact Information**

Name : Hoi Yee, Chow (鄒凱兒)

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## **Education**

### **Doctor of Philosophy**

Department of Clinical Oncology, The University of Hong Kong. October 2003 – May 2007

Advisors: Professor Sham, Jonathan Shun Tong and Professor Guan, Xin Yuan

### **Master of Philosophy**

Department of Biology, The Chinese University of Hong Kong. August 2000 – July 2003

Advisor: Professor Kwan, Hoi Shan

### **Bachelor of Science**

Department of Biology, The Chinese University of Hong Kong. September 1997 – May 2000

Honors: Second Class Upper Division

## **Award**

Student Travel Award. 2005. Offered by University of California, San Francisco.

## **Grant**

Conference Grants for research students 2005-2006

## **Research Experience**

### **Department of Pathology, The University of Hong Kong.**

October 2007 – May 2008

Assistant Technical Manager

Project: Preparation of breast Tissue Microarray for BRCA 1 study.

### **Department of Clinical Oncology, The University of Hong Kong.**

October 2006 – February 2007

Research Assistant I

Project: Examination of other drug resistance related genes in nasopharyngeal carcinoma cell line and study on the clinical significance of Annexin I protein using NPC tissue microarray.

**Department of Clinical Oncology, The University of Hong Kong.**

October 2003 – May 2007

Ph.D Thesis: Applications of proteomics: Identification of genes associated with anticancer drug resistance, liver development and regeneration. This study includes: 1) identification of proteins related with anticancer drug resistance from drug-treated nasopharyngeal carcinoma cell line by using 2D-gel electrophoresis. One of the interested proteins, Annexin I, was further investigated on its role in drug resistance by using mouse model and clinical samples; 2) identification of proteins associated with mouse liver development, differentiation and regeneration after partial hepatectomy. The expression levels of the interested proteins were confirmed by real-time PCR and western blotting analysis.

**Department of Clinical Oncology, The Chinese University of Hong Kong.**

September 2002 – May 2003

Technician

Project 1: cDNA microarray study on drug-treated hepatocellular carcinoma cell line to identify the up-regulated genes by sequencing.

Project 2: Characterization of the expression patterns of RACK I and PKC  $\beta$ II on tumor and normal lung tissues by Western blotting analysis.

**Department of Biology, The Chinese University of Hong Kong.**

August 2000 – July 2003

M. Phil Thesis: Identification and characterization of differentially expressed genes during leaf development of rice (Pei'ai 64S). This study mainly utilized RAP-PCR and cDNA microarray to identify genes which differentially expressed during leaf development. The expression levels of the interested genes were characterized by Northern blot analysis.

**Department of Biology, The Chinese University of Hong Kong.**

May 1999 – May 2000

Final year project: Cloning of genes differentially expressed during fruiting body development in *Lentinula edodes*. Hundreds of differentially expressed genes were cloned and sequenced.

## **Abstracts and Presentations**

H. Y. Chow, X. Y. Guan and J. S. T. Sham. Identification of drug resistant proteins in nasopharyngeal carcinoma by proteomics. 9<sup>th</sup> Research Postgraduate Symposium, Faculty of Medicine, The University of Hong Kong, Hong Kong.

H. Y. Chow, X. Y. Guan and J. S. T. Sham. Identification of drug resistant proteins in nasopharyngeal carcinoma by proteomics. 7<sup>th</sup> International Symposium on Mass Spectrometry in the Health and Life Sciences. San Francisco, USA.

H. Y. Chow, X. Y. Guan and J. S. T. Sham. Identification of drug resistant genes in nasopharyngeal carcinoma by cDNA microarray analysis. 10<sup>th</sup> Research Postgraduate Symposium, Faculty of Medicine, The University of Hong Kong, Hong Kong.

## **Publications**

H.Y. Chow, X.Y. Guan, and J.S.T. Sham. (2005) **Identification of drug resistant proteins in nasopharyngeal carcinoma by proteomics.** *Molecular and Cellular Proteomics* 4: S479.

L. Fu, Y.R. Qin, D. Xie, H.Y. Chow, S.M. Ngai, D. Kwong, Y. Li, and X.Y. Guan. (2007) **Identification of Alpha-Actinin 4 and 67KDa Laminin receptor as stage-specific markers in esophageal cancer via proteomic approaches.** *Cancer* 110 (12): 2672-2681.

H.Y. Chow, D.T.T Chua, J.S.T. Sham, M.Y. Zhang, L.W.C. Chow, B. Jiong , N.F. Ma, X. Dan, W.T.Y. Loo, J.M.W. Fung, F. Li, and X.Y. Guan. (2009) **Increased expression of Annexin I is associated with drug-resistance in Nasopharyngeal Carcinoma and other solid tumors.** *Proteomics: Clinical Applications* (In press)

W.Y.W. Fung, H.Y. Chow, T.W. Law, B. Dong, and H.S. Kwan. (2009) **Development of a low-cost PCR-based method for studying differentially expressed genes in developing rice leaves.** *Journal of Integrative Plant Biology* (In press)