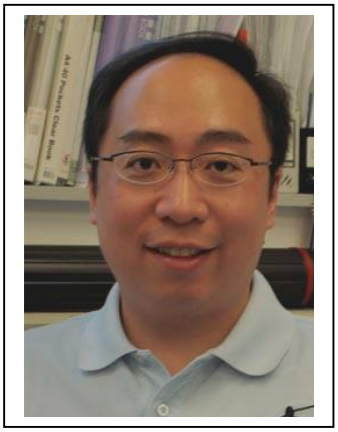
CURRICULUM VITAE



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Position: Assistant Professor

Institution: Department of Obstetrics & Gynaecology, The University of Hong Kong

Location:
L747 Laboratory Block,
LKS Faculty of Medicine,
21 Sassoon Road
Pokfulam
Hong Kong

Education:

1997-2002 PhD (Molecular Oncology) Centre for Functional Genomics and Human Disease, Monash Institute of Medical Research, Monash University, Australia
Mentors: Professors Kola Ismail and Paul Hertzog

1993-1995 MPhil (Haematology) Dept of Medicine, Faculty of Medicine, The University of Hong Kong
Mentor: Prof. Raymond HS Liang

1989-1992 BSc. (Hons) (Biology) Dept of Biology, Hong Kong Baptist University
Mentor: Prof. Ricky NS Wong

Representative Careers:

2014 - Present Assistant Professor, Department of Obstetrics & Gynaecology, HKU.

2014 - Present Assistant Professor, Department of Obstetrics & Gynaecology, The University of Hong Kong- Shenzhen Hospital.

2014 - Present Invesitigator, The University of Hong Kong Shenzhen Institute of Research and Innovation (HKU-SIRI)

2007-2013 Research Assistant Professor, Department of Obstetrics & Gynaecology, HKU.

2006-2007 Postdoctoral Fellow, Department of Obstetrics & Gynaecology, HKU.

2003-2006 Postdoctoral Fellow, Department of Pathology, HKU.

2001-2003 Research Officer, Peter MacCallum Cancer Institute, University of Melbourne, Australia.

Specialty & Present Interest:

My main research interests include functional characterization of tumor suppressors and oncogenes in both genetic and epigenetic fields and delineation of the related cellular signaling pathways associated with

cancer cell biology. I have particularly focused in cancer cell metabolism and interactions between cancer cells and tumor microenvironment in tumorigenesis, chemoresistance and metastasis of ovarian cancers. These studies give a better insight into the molecular mechanisms of tumor development and tumor progression of ovarian cancers. Our laboratory has established omental conditioned media (OCM) which in addition to the use of next-generation sequencing (NGS) and omics experiments to study the underlying mechanisms of omental metastasis, the crosstalk network of tumor-stroma, as well as tumor-associated macrophages (TAMs) in facilitating peritoneal metastases. These studies will provide a scientific basis for developing novel diagnostic tools and therapeutic interventions for improving treatment outcome of ovarian cancer patients.

Representative papers (up to 5):

1. Yung MMH, Tang HWM, Cai PCH, Leung THY, Ngu, SF, Chan, KKL, Xu D, Yang HJ, Ngan HY and **Chan DW*** (**2018**). GRO-α and IL-8 enhance ovarian cancer metastatic potential via the CXCR2-mediated TAK1/NFκB signaling cascade. ***Theranostics*** 8(5):1270-1285

2. Chen KM, Liu MX, Mak CS, Yung MMH, Leung THY, Xu D, Ngu SF, Chan KKL, Yang HJ, Ngan HY* and **Chan DW*** (**2018**). Methylation-associated silencing of miR-193a-3p promotes ovarian cancer aggressiveness via targeting GRB7 and MAPK/ERK pathway. ***Theranostics*** 8(2):423-436

3. **Chan DW***, Hui WWY, Wang JJ, Yung MMH, Hui LMN, Qin Yiming, Liang RR, Leung THY, Xu D, Chan KKL, Yao KM, Tsang B and Ngan HYS (**2017**) DLX1 acts as a crucial target of FOXM1 to promote ovarian cancer aggressiveness by enhancing TGF-β/SMAD4 signaling. ***Oncogene*** 36(10):1404-1416.

4. Wang Y, **Chan DW***, Liu VW, Chiu PM and Ngan HY* (**2010**) Differential functions of GRB7 and its variant, GRB7v in the ovarian carcinogenesis. ***Clin Cancer Res*** 16(9):2529-39

5. **Chan DW**, Chan CY, Yam JWP, Ching YP and Ng IOL (**2006**) Prickle-1 negatively regulates Wnt/β-catenin pathway by promoting Dishevelled ubiquitination/degradation in liver cancer. ***Gastroenterology*** 131: 1218-1227.