

Self-introduction

Basic information

Name: Peide Huang

Sex: Male

Age: 29

Native place: Guangdong, China

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I have a background of molecular and cellular biology from my school years. I have already worked in the field of cancer genomics for more than 3 years and accumulated rich researching experience in this field. I was engaged in several studies about the pathogenesis of different kinds of cancers (eg.TCCs and ccRCCs).

Education

2013- Now Ph.D student

Faculty of Health and Medical Sciences, University of Copenhagen, Copenhagen, Danmark

2007-2010 Master of Science in Genetics

Jinan University, Guangdong, China

Thesis: The Study on the Promotional Effect of rhBMP-2 on Metastasis of Breast Cancer

2003-2007 Bachelor of Science in Biotechnology

Jinan University, Guangdong, China

Thesis: The inhibitory effect of BMP-2 on the proliferation of breast cancer cell MDA-MB-231

English Skills

Have a good command of both spoken and written English.

Research Experience

Beijing Medicine Research Department, BGI Tech

Project leader 2012-2015

Participated in the researches of Bladder cancers (TCCs) and adrenal adenomas (ccRCCs), which supported by the National High Technology Research and Development Program of China. Identified TERT promoter mutations as discrimination biomarkers for the origin of urogenital tumors. Publish researching articles on the Journals Nature Genetics and European Urology.

Department of Science and Technology, BGI.ShenZhen

Assistant Researcher 2010– 2011

Participated in the researches of clear cell renal carcinoma (ccRCC), which supported by National High Technology Research and Development Program of China. Publish researching articles on the Journals Nature Genetics.

Developed methods for the validation of gene mutations, establish the Ofish platform for BGI.

Institute of Bioengineering,Jinan University, Guangdong, China

Master Student, 2007 – 2010

Participated in the research about the effect of human recombinant protein BMP-2 (rhBMP-2) on breast cancer cells.

Publications

- [1] Wu S#, Huang P#, Li C, Huang Y, Li X, Wang Y, Chen C, Lv Z, Tang A, Sun X, Lu J, Li W, Zhou J, Gui Y, Zhou F, Wang D, Cai Z*. Telomerase reverse transcriptase gene promoter mutations help discern the origin of urogenital tumors: a genomic and molecular study. *Eur Urol*. 2014 Feb; 65(2):274-7.
- [2] Guo G#, Sun X#, Chen C#, Wu S#, Huang P#, Li Z#, Dean M#, Huang Y, Jia W, Zhou Q, Tang A, Yang Z, Li X, Song P, Zhao X, Ye R, Zhang S, Lin Z, Qi M, Wan S, Xie L, Fan F, Nickerson ML, Zou X, Hu X, Xing L, Lv Z, Mei H, Gao S, Liang C, Gao Z, Lu J, Yu Y, Liu C, Li L, Fang X, Jiang Z, Yang J, Li C, Zhao X, Chen J, Zhang F, Lai Y, Lin Z, Zhou F, Chen H, Chan HC, Tsang S, Theodorescu D, Li Y, Zhang X, Wang J, Yang H, Gui Y, Wang J*, Cai Z*. Whole-genome and whole-exome sequencing of bladder cancer identifies frequent alterations in genes involved in sister chromatid cohesion and segregation. *Nature Genet*. 2013 Dec;45(12):1459-63
- [3] Wang D, Huang P, Zhu B, Sun L, Huang Q, Wang J*. Induction of estrogen receptor α -36 expression by bone morphogenetic protein 2 in breast cancer cell lines. *Mol Med Rep*. 2012 Sep; 6(3):591-6.
- [4] Guo G, Gui Y, Gao S, Tang A, Hu X, Huang Y, Jia W, Li Z, He M, Sun L, Song P, Sun X, Zhao X, Yang S, Liang C, Wan S, Zhou F, Chen C, Zhu J, Li X, Jian M, Zhou L, Ye R, Huang P, Chen J, Jiang T, Liu X, Wang Y, Zou J, Jiang Z, Wu R, Wu S, Fan F, Zhang Z, Liu L, Yang R, Liu X, Wu H, Yin W, Zhao X, Liu Y, Peng H, Jiang B, Feng Q, Li C, Xie J, Lu J, Kristiansen K, Li Y, Zhang X, Li S, Wang J, Yang H, Cai Z*, Wang J*. Frequent mutations of genes encoding ubiquitin-mediated proteolysis pathway components in clear cell renal cell carcinoma. *Nature Genet* 2011;44:17-19
- [5] Gui Y, Guo G, Huang Y, Hu X, Tang A, Gao S, Wu R, Chen C, Li X, Zhou L, He M, Li Z, Sun X, Jia W, Chen J, Yang S, Zhou F, Zhao X, Wu S, Ye R, Liang C, Liu Z, Huang P, Liu C, Jiang H, Wang Y, Zheng H, Sun L, Liu X, Jiang Z, Feng D, Chen J, Wu S, Zou J, Zhang Z, Yang R, Zhao J, Xu C, Yin W, Guan Z, Ye J, Zhang H, Li J, Kristiansen K, Nickerson ML, Theodorescu D, Li Y, Zhang X, Li S, Wang J, Yang H, Wang J*, Cai Z*. Frequent mutations of chromatin remodeling genes in transitional cell carcinoma of the bladder. *Nature Genet* 2011; 43:875-878

- [6] Peide Huang, Feicheng Huang, Ju Wang.rhBMP2 enhance migration and invasion capacity of human breast cancer cells MCF-7.Chinese Journal of Pathophysiology.2010, 26(5):931-936
- [7] [7] Wu S, Yang Z, Ye R, An D, Li C, Wang Y, Wang Y, Huang Y, Liu H, Li F, He L, Sun D, Yu Y, Li Q, Huang P, Zhang M, Zhao X, Bi T, Zhuang X, Zhang L, Lu J, Sun X, Zhou F, Liu C, Yang G, Hou Y, Fan Z, Cai Z. Novel variants in MLL confer to bladder cancer recurrence identified by whole-exome sequencing. Oncotarget. 2016 Jan 19;7(3):2629-45