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Education

2009-2014	Ph.D Candidate	School of life sciences, Fudan University, Shanghai , China
2005-2009	Bachelor of Science	School of life sciences, Northeast Agricultural University, Harbin , China

Key Skills

Programming Language: R, Perl, Linux
Software: Matlab, SPSS, Original, Ultraedit, Adobe photoshop and illustrator
Supercomputer Calculation: Ubuntu and Portable Batch System (torque)

Experience

2013.05-present, Research scholar at the University of Texas Health Science Center at Houston, **Houston**, TX
2012.12-2013.4, Visiting Student at the University of Texas Health Science Center at Houston, **Houston**, TX
2012.12-2013.6, Internship in the CAS-MPG Partner Institute for Computational Biology, **Shanghai**, China
2012.12-2013.6, Internship in the institute of Rheumatology, Immunology and Allergy, **Shanghai**, China

Participated Projects

DNA methylation markers for the diagnosis and recurrence prediction of bladder cancer [data analysis and bioinformatic]
Relationship between hsa-miR-191 and Epithelial-to-Mesenchymal Transition in Hepatocellular Carcinoma[bioinformatic]
The DNA methylome of human peripheral blood mononuclear cells project [methylation validation]
The DNA methylome of silkworm project [methylation validation]
Pharmacogenomics in Non-small Cell Lung Cancer and lung cancer susceptibility [data analysis]
key molecular events in the pathogenesis and treatment of scleroderma-associated pulmonary fibrosis
Hypermethylation reduces expression of tumor-suppressor PLZF and regulates proliferation and apoptosis in NSCLC [data analysis and bioinformatic]
Validation of the GWAS discovered thyroid cancer susceptibility loci in Chinese thyroid cancer population [data analysis and bioinformatics]

Patents

Methods and kits for diagnosing of bladder cancer with urine exfoliated cell, China, authorized
Methods and kits for prognosing of bladder cancer after surgery with urine exfoliated cell, China, authorized

Awards and Honors

2012, Silver award of "Cup of Challenge" for College Students' Innovative Undertaking Contest in Shanghai
2009-2013, Model Student of Academic Records (2009, 2012, 2013, Fudan University)
2007, Second prize of National Mathematical Modeling Contest in Heilongjiang province
2007, Social practice scholarship (NEAU)
2006, National Encouragement Scholarship
2005-2007, Model Student of Academic Records (NEAU)
2005, National Scholarship

References

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Publications[1-19]

1. **Shicheng Guo**, Tan Lixing, Pu Weilin, Wu Junjie, Xu Kuan, Wu Jinhui, Li Qiang, Ma Yanyun, Xu Jibin, Jin Li: **Quantitative assessment of the diagnostic role of APC promoter methylation in non-small cell lung cancer.** *Clinical epigenetics* 2014, **6**:5.
2. Xinqiang Song, **Guo Shicheng**, Chen Yulin, Yang Chengde, Ji Hengdong, Zhang Feng, Jiang Zhengwen, Ma Yangyun, Li Yuan, Jin Li: **Association between HLA-DQA1 gene copy number polymorphisms and susceptibility to rheumatoid arthritis in Chinese Han population.** *Journal of Genetics* 2014, **93**.
3. **Shicheng Guo**, Wang Yulong, Li Yi, Jin Li, Xiong Momiao, Ji Qing - Hai, Wang Jiucun: **Significant SNPs have limited prediction ability for thyroid cancer.** *CANCER MEDICINE* 2014.
4. Lili Pan, Huang Yuanmao, Wang Min, Zhuang Xiaoe, Luo Dongfeng, **Guo Shicheng**, Zhang Zhishun, Huang Qing, Lin Shenglong, Wang Shaoyuan: **Positional cloning and next-generation sequencing identified a TGM6 mutation in a large Chinese pedigree with acute myeloid leukaemia.** *European Journal of Human Genetics* 2014.
5. Lijun Wu, **Guo Shicheng**, Yang Dongqin, Ma Yanyun, Ji Hengdong, Chen Yulin, Zhang Jun, Wang Yi, Jin Li, Wang Jiucun: **Copy number variations of HLA-DRB5 is associated with systemic lupus erythematosus risk in Chinese Han population.** *Acta biochimica et biophysica Sinica* 2014, **46**:155-160.
6. Yangxing Zhao, Zhou Huaifu, Ma Kelong, Sun Jinfeng, Feng Xu, Geng Junfeng, Gu Jun, Wang Wei, Zhang Hongyu, He Yinghua, **Shicheng Guo**, etc: **Abnormal methylation of seven genes and their associations with clinical characteristics in early stage non-small cell lung cancer.** *Oncology letters* 2013, **5**:1211-1218.
7. Yu-Long Wang, Feng Shou-Hao, Guo Shi-Cheng, Wei Wen-Jun, Li Duan-Shu, Wang Yu, Wang Xiaofeng, Wang Zhuo-Ying, Ma Yan-Yun, Jin Li: **Confirmation of papillary thyroid cancer susceptibility loci identified by genome-wide association studies of chromosomes 14q13, 9q22, 2q35 and 8p12 in a Chinese population.** *Journal of medical genetics* 2013, **50**:689-695.
8. Xiaotian Wang, Wang Lei, **Guo Shicheng**, Bao Yang, Ma Yanyun, Yan Fengyang, Xu Kuan, Xu Zhiyun, Jin Li, Lu Daru: **Hypermethylation reduces expression of tumor-suppressor PLZF and regulates proliferation and apoptosis in non-small-cell lung cancers.** *The FASEB Journal* 2013, **27**:4194-4203.
9. J Wang, Yang Y, **Guo S**, Chen Y, Yang C, Ji H, Song X, Zhang F, Jiang Z, Ma Y: **Association between copy number variations of HLA-DQA1 and ankylosing spondylitis in the Chinese Han population.** *Genes and immunity* 2013.
10. Shenglong Lin, Pan Lili, Guo Shicheng, Wu Junjie, Jin Li, Wang Jiu-Cun, Wang Shaoyuan: **Prognostic role of microRNA-181a/b in hematological malignancies: a meta-analysis.** *PloS one* 2013, **8**:e59532.
11. Yangxing Zhao, **Guo Shicheng**, Sun Jinfeng, Huang Zhaohui, Zhu Tongyu, Zhang Hongyu, Gu Jun, He Yinghua, Wang Wei, Ma Kelong: **Methylcap-seq reveals novel DNA methylation markers for the diagnosis and recurrence prediction of bladder cancer in a Chinese population.** *PloS one* 2012, **7**:e35175.
12. Junjie Wu, Liu Jie, Zhou Yuhao, Ying Jun, Zou Houdong, **Guo Shicheng**, Wang Lei, Zhao Naiqing, Hu Jianjun, Lu Daru: **Predictive value of XRCC1 gene polymorphisms on platinum-based chemotherapy in advanced non-small cell lung cancer patients: a systematic review and meta-analysis.** *Clinical Cancer Research* 2012, **18**:3972-3981.
13. Jie Wu, Wu Junjie, Zhou Yuhao, Zou Houdong, **Guo Shicheng**, Liu Jie, Lu Liwen, Xu Hao: **Quantitative assessment of the variation in IGF2BP2 gene and type 2 diabetes risk.** *Acta Diabetologica* 2011:1-11.
14. Yinghua He, Cui Ying, Wang Wei, Gu Jun, **Guo Shicheng**, Ma Kelong, Luo Xiaoying: **Hypomethylation of the hsa-miR-191 locus causes high expression of hsa-mir-191 and promotes the epithelial-to-mesenchymal transition in hepatocellular carcinoma.** *Neoplasia (New York, NY)* 2011, **13**:841.
15. Xy Zhou, Sun Jf, He Yh, Zhang Hy, Yu J, **Guo Sc**, Cai Y, Hu Xc, Zhu Jd: **Correlation of the methylation status of CpG islands in the promoter region of 10 genes with the 5-Fu chemosensitivity in 3 breast cancer cell lines.** *Zhonghua Zhong Liu Za Zhi* 2010, **32**:328.
16. Hui Xiang, Zhu Jingde, Chen Quan, Dai Fangyin, Li Xin, Li Muwang, Zhang Hongyu, Zhang Guojie, Li Dong, Dong Yang, **Shicheng Guo** etc: **Single base-resolution methylome of the silkworm reveals a sparse epigenomic map.** *Nature biotechnology* 2010, **28**:516-520.
17. Yingrui Li, Zhu Jingde, Tian Geng, Li Ning, Li Qibin, Ye Mingzhi, Zheng Hancheng, Yu Jian, Wu Honglong, Sun Jihua, **Shicheng Guo** etc: **The DNA methylome of human peripheral blood mononuclear cells.** *PLoS biology* 2010, **8**:e1000533.
18. Jinxia Ao, Gao Xuejun, Qiu Youwen, **Guo Shicheng**: **Real-time quantitative PCR and the application in the detection of genetically modified plants [J].** *Journal of Northeast Agricultural University* 2009, **6**:033.
19. Jin-Xia Ao, Gao Xue-Jun, Qu Bo, Yuan Xiao-Han, Liu Ying, Qiu You-Wen, **Guo Shicheng**: **Construction of a standard reference plasmid for detecting exogenous genes in transgenic soybean, maize and rice [J].** *Journal of China Agricultural University* 2008, **6**:005.