

Ting-You Wang

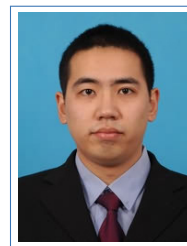
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Education

- 2013–2017 **PhD. Bioinformatics and Genomics**, *The University of Hong Kong*, Hong Kong SAR, China.
- 2008–2011 **MSc. Bioinformatics**, *China Agricultural University*, Beijing, China.
- 2003–2007 **BEng. Mechanical Design, Manufacturing and Automation**, *China Agricultural University*, Beijing, China.

Publications

- 2017 "Integrative analysis of transcriptional regulation unveils regulatory modules that stratify lupus transcriptome", **Ting-You Wang**, Yong-Fei Wang, Yan Zhang, Jiangshan Jane Shen, Mengbiao Guo, Jing Yang, Yu-Lung Lau, Wanling Yang. *Manuscript in preparation*
- 2017 "TF-STAR: a versatile tool for identifying key transcription factors for human diseases through analysis of the regulatory regions of disease genes or associated variants", **Ting-You Wang**, Yong-Fei Wang, Jiangshan Jane Shen, Wanling Yang. *Manuscript in preparation*
- 2017 "Regulatory and evolutionary signatures of sex-biased genes on both the X chromosome and the autosomes", Jiangshan Shen, **Tingyou Wang**, Wanling Yang. *Biology of Sex Differences*, Under review
- 2016 "Genome-wide association meta-analysis in Chinese and European individuals identifies ten new loci associated with systemic lupus erythematosus", David L Morris, Yujun Sheng, Yan Zhang, Yong-Fei Wang, Zhengwei Zhu, Philip Tombleson, Lingyan Chen, Deborah S Cunninghame Graham, James Benthams, Amy L Roberts, Ruoyan Chen, Xianbo Zuo, **Tingyou Wang**, Leilei Wen, Chao Yang, Lu Liu, Lulu Yang, Feng Li, Yuanbo Huang, Xianyong Yin, Sen Yang, Lars Rönnblom, Barbara G Fürtrohr, Reinhard E Voll, Georg Schett et al. *Nature Genetics*, 2016, 48, 940-946
- 2015 "Meta-analysis of GWAS on two Chinese populations followed by replication identifies novel genetic variants on the X chromosome associated with systemic lupus erythematosus", Yan Zhang, Jing Zhang, Jing Yang, Yongfei Wang, Lu Zhang, Xianbao Zuo, Liangdan Sun, Hai-Feng Pan, Nattiya Hirankarn, **Tingyou Wang**, Ruoyan Chen, Dingge Ying, et al. *Human Molecular Genetics*, 2015, 24(1), 274-284
- 2014 "Chromosome-8-Coded Proteome of Chinese Chromosome Proteome Data Set (CCPD) 2.0 with Partial Immunohistochemical Verifications", Yang Liu, Wantao Ying, Zhe Ren, Wei Gu, Yang Zhang, Guoquan Yan, Pengyuan Yang, Yinkun Liu, Xuefei Yin, Cheng Chang, Jing Jiang, Fengxu Fan, Chengpu Zhang, Ping Xu, Quanhui Wang, Bo Wen, Liang Lin, **Tingyou Wang**, Chaoqin Du et al., *Journal of Proteome Research*, 2014, 13(1), 126-136.

- 2013 "Qualitative and quantitative expression status of the human chromosome 20 genes in cancer tissues and the representative cell lines", Quanhui Wang[#], Bo Wen[#], Guangrong Yan[#], Junying Wei[#], Liqi Xie[#], Shaohang Xu, Dahai Jiang, **Tingyou Wang**, Ruo Zhou, Haiyi Zhao et al., *Journal of Proteome Research*, 2013, 12(1), 151-161. ([#]These authors contribute equally to this work.)
- 2011 "A predicted protein-protein interaction network of the filamentous fungus *Neurospora crassa*", **Ting-You Wang**, Fei He, Qi-Wen Hu, Ziding Zhang, *Molecular BioSystems*, 2011, 7, 2278-2285.

Presentations

- 2017 "Integrative analysis of transcriptional regulation unveils regulatory modules that stratify SLE transcriptome", Poster presentation at the American Society of Human Genetics 2017 Annual Meeting, Orlando, USA
- 2016 "Hierarchical relationships among susceptibility genes, transcription factors and differentially expressed genes for systemic lupus erythematosus and signaling modules revealed by a systems approach", Poster presentation at the American Society of Human Genetics 2016 Annual Meeting, Vancouver, Canada
- 2016 "Understanding gene expression changes in Systemic Lupus Erythematosus through a systems approach", Poster presentation at the 13th International Congress of Human Genetics, Kyoto, Japan

Industry and commercial experience

- 2011–2013 **Bioinformatics engineer**, BGI, Shenzhen, China.
This was a full-time position involving mass spectrometry based proteomics research , development of databases.

Teaching experience

- 2009 Teacher Assistant for undergraduate students in the course of Bioinformatics (full semester).

Awards and scholarships

- 2013-2017 Postgraduate Scholarship
- 2008-2009 Outstanding graduate student leader award (vice-president of the Graduate Students' Union)
- 2008-2009 Outstanding academic performance scholarship
- 2003-2005 Second-class scholarship winner for excellent academic performance (top 10%)

Conferences attended

- 2017 American Society of Human Genetics 2017 Annual Meeting, Orlando, USA
- 2017 Genome Variation in Precision Medicine 2017, Guangzhou, China
- 2016 American Society of Human Genetics 2016 Annual Meeting, Vancouver, Canada
- 2016 The 13th International Congress of Human Genetics, Kyoto, Japan
- 2014 2014 East-West Alliance Global Symposia, Hong Kong SAR, China
- 2013 Frontiers in Biomedical Research HKU 2013, Hong Kong SAR, China
- 2012 ICG-7 & Bio-IT APAC 2012, Hong Kong SAR, China
- 2011 The 6th International Conference on Genomics (ICG-6), Shenzhen, China

Skills

Bioinformatics

systems biology An extensive knowledge of systems biology
genetics Expertise in genome-wide association study (GWAS)
genomics Proficient in exome sequencing and RNA sequencing data analysis
shotgun proteomics Familiar with methods and applications for identification and quantification in mass spectrometry proteomics. Participator of Chromosome-Centric Human Proteome Project(CHPP) in AOHUPO.

Computer skills

os Linux, Windows, Mac OS X
pc Python, Perl, PHP, R, Shell, Visual Basic, C/C++
applications Microsoft Office Suite, OpenOffice, Vim, Photoshop, LaTeX, AutoCAD
web HTML5, CSS, JavaScript/jQuery, LAMP, Google Maps API, Django, TCP/IP stack
database MySQL

Personal

A fast learner and critical thinker
Willing to take the incredible effort on the area of interest and never get tired of it

Language

Mandarin, English, Cantonese (Basic), Spanish (Basic)

Other skills

Data and information collection
Writing and presenting reports

Other work-related interests if I had time

Online courses from edX and Coursera
Reading books involving data science and data visualization
Watching TED talks, since these videos facilitate me to synthesize new ideas.

References

name **Assoc. Prof. Wanling Yang, Ph. D.**
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