

CURRICULUM VITAE

Jun Wang
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BIOGRAPHY

WANG Jun (WJ), who was born on June 4 1976, graduated Ph.D. from the Peking University in 2002, the same year as he received the national excellent Ph.D. thesis for highest academic standing from the Ministry of Education, China.

The Bioinformatics Department of Beijing Genomics Institute (BGI) was founded by his efforts in 1999. It has been moved to Shenzhen, and has been referred as BGI Shenzhen since 2007. It is now widely recognized as one of China's premier research facilities, committed to excellence in genome sciences. WJ has been leading the scientific direction and daily operation of BGI genomics and its informatics part since 2002. In 2003, WJ was appointed as associate director and professor at BGI. During 2004-06 he was for 24 months invited guest professor at the University of Aarhus, Denmark. WJ was then appointed as Ole Rømer professor of University of Southern Denmark from September 2006 to July 2009, the professorship has been transferred to University of Copenhagen since October 2009. In 2005, he was appointed professor of genomics (personal chair) at the life science college, Peking University and since 2007 he has been chairing the same position at the University of Aarhus.

For the last 8 years WJ has been leading a research group of 100+ people engaged in studies of genomics and its informatics. In 1999, WJ finished the analysis of a 1% region of human genome, which is sequenced by BGI. Then he devoted himself to genomics and its analysis, including genome assembly, annotation, expression, genome duplication, comparative genomics, molecular evolution, transcriptional regulation, genome variation analysis, database construction as well as related methodology development such as the sequence assembler and alignment tools. He also focuses on interpretation of the definition of "gene" by expression and conservation study. In 2003, Jun Wang was also been involved in the SARS genome analysis and the silkworm genome assembly and analysis in cooperation with Chinese Southeast Agricultural University. The Pig Genome Survey Project was also completed with his leading effort at BGI. He has led a group finishing the chicken genome variation map and the TreeFam in collaboration with the Sanger Institute. Recently, he and his group have finished the first Asian diploid genome, and was published as cover story at Nature. Now, he is working on the population genomics and medical genomics, such as the 1000 genome project, YanHuang Project, large genome association study of Diabetes; metagenomics project of gut microbita. He is also leading genome variation projects of rice, silkworm, and pig genome project, as well as the molecular mechanisms of the domestication process.

WJ has been mentor for 6 academics who have defended their Ph.D. degrees, and is supervising 25 Ph.D. students. He has three years of bioinformatics teaching at the graduate school of CAS and Peking University, and has been awarded the "CAS Excellent Course and Teaching" award 2004. He has authored 90+ peer-reviewed original papers – of which many are published in high impact journals as *Nature*, *Nature Genetics*, *Nature Biotechnology*, *Nature Review Genetics*, *Science*, *PloS Biology*, *Genome Research*, *Proceedings of National Academy of Science* and *Plant Cell*.

For the scientific achievements, WJ has been recognized with Award from His Royal Highness Prince Foundation, Young Elite Scientist from the Danish Research Council, Lundbeck Talent Price, Outstanding Science and Technology Achievement from the Chinese Academy of Sciences, Top 10 Scientific Achievements In China, The first "TopSUN" Scientific Paper Award from Peking University, Tan Jiazhen Life Science Award from Fudan University, and Prize for Important Innovation and Contribution from Chinese Academy of Sciences.

Title

Professor of Genomics and Bioinformatics

Education/training

1997.9 – 2002.7	College of Life Sciences, Peking University, Beijing, China Ph.D. in life science
1992.9 – 1997.7	College of Life Sciences, Peking University, Beijing, China B.Sc. in life science

Positions

2009 -	Ole Rømer Professor, University of Copenhagen, Denmark
2009 -	Professor of genomics (personal chair), The Chinese University of Hongkong, Hongkong, China
2008 -	Executive Director, BGI, China
2007 -	Associate Director, BGI-Shenzhen, China
2006 -	Professor of genomics (personal chair), Aarhus University
2006 - 2009	Ole Rømer Professor, University of Southern Denmark, Denmark
2004 - 2006	Visiting Professor, University of Southern Denmark/Aarhus University, Denmark
2004 -	Visiting Professor, Peking University, Beijing, China.
2003 - 2007	Professor and Director of Beijing Campus, BGI, China
2001	Director of Hangzhou Campus, BGI, China
1999 - 2007	Head of Bioinformatics Department, BGI, China

Honours, grants, and awards

“Top 10 Scientific Achievements In China” (for BGI’s first Asian genome sequence) (2008)
“Award for Science and Sino-Danish Collaboration” (by His Royal Highness Prince Foundation, Denmark) (2007)
“National New Century BaiQianWan talents” (by the China National Authorities) (2006)
“Young Elite Scientist” (by the Danish Research Council) (2006)
“Talent Prize” (by the Lundbeck Foundation) (2005)
“Excellent Course and Teaching” (by Graduate School of Chinese Academy of Sciences) (2004)
“Outstanding Science and Technology Achievement” (by Chinese Academy of Sciences) (2003)
“The Excellent Youth in China” (2003)
“Top 10 Scientific Achievements In China” (for BGI’s Research on SARS) (2003)
“Award for Excellent Scientific Team Achievements” (by Hong Kong “QiuShi” Foundation) (2002)
The first “TopSUN” Scientific Paper Award (by Peking University) (2002)
“Top 10 Elitist in Academia” (by Peking University) (2002)
“Tan Jiazhen Life Science Award” (by Fudan University) (2002)
“Prize for Important Innovation and Contribution” (by Chinese Academy of Sciences) (2002)
“The Excellent Ph.D. Thesis in China” (by Ministry of Education) (2002)
“Top 10 Scientific Achievements In China” (for BGI’s rice fine genome sequence) (2002)
“Top 10 Scientific Achievements In China” (for BGI’s rice draft genome sequence) (2001)
“Top 10 Scientific Achievements In China” (for BGI’s “Chinese Chapter” of Human Genome Sequence) (2000)

Educational activities

Supervised 6 Ph.D., 2 Master Students. Presently, 38 graduate students are training in the laboratory.

Presentations

Numerous pre- and postgraduate educational activities at the University of Copenhagen, the University of Southern Denmark, the University of Aarhus, the Peking University, Chinese Academy of Sciences, the Zhejiang University, and the Zhongshan University. More than 100 invited lectures at international and national scientific meetings.

Publications

Presently 90+ peer-reviewed original scientific papers, of which several are published in high-impact journal including *Nature*, *Nature Genetics*, *Nature Review Genetics*, *Science*, *PloS Biology*, *Genome Research*, *Proceedings of National Academy of Science* and *Plant Cell*. Expert reviewer for 5 international journals in genomics and bioinformatics.

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H. Xiang, ... J. Wang[†]. 2010. Single base-resolution methylome of the silkworm reveals a sparse epigenomic map. *Nature Biotechnology* May 02. [Epub ahead of print]

N. Li, ... J. Wang[†]. 2010. Whole genome DNA Methylation analysis based on high throughput sequencing technology. *Methods*. Apr 26. [Epub ahead of print]

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REFERENCES

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