Curriculum Vitae of Jun WANG

Professor, PhD

journals) and he first/co-first or corresponding/co-corresponding authored 54 (total SCI citation: 21593 times) of them. Among the major scientific and technological contributions of Prof. Wang, 9 research achievements were awarded "the world's top ten scientific and technological progress" and "(one of) the top ten scientific and technological progress in China" by academicians of EE the Chinese Academy of Science and Chinese Academy of Engineering ;

tific and technological news in

Basic Science in China" jointly by the Ministry of science & technology and the China Association for Science and Technology. Many related articles have been selected as

His research was financially supported by Ministry of Science and Technology National Natural Science Foundation of China, Guangdong Province and Shenzhen City Government.

Due to his outstanding contributions to the fields of genomics and bioinformatics, Prof. Wang as an individual has received more than 20 Guangzhao

G

V in 2013,

Science in 2013, -Ten people who mattered this year

i in 2011 May Fourth Medal

2011, Worker 2008,

2008 Guangdong May

Day in 2008, Talents 2006,

Outstanding Scientific and Technical Achievement Award 2003,

Young People of the Central State Organs 2003,

Award for Excellent Scientific Team Achievements 2002,

Academy of Sciences Major Innovation Award 2002.

Education:

July, 1997, B. Sc. (Peking University, Beijing, China)

July, 2002, D. Sc. (Peking University, Beijing, China)

Professional Chronology:

Mar.,1999-Apr.,2007	Researcher, Director of Bioinformatics, Director of Beijing Center, Beijing Genomics Research Center, as Beijing Genomics Institute, Chinese academy of sciences, Beijing, China
Aug., 2004- present	Visiting Professor, Institute of Human Genetics, University of Aarhus, Denmark
Sep.,	

2) Genomics

3) Human Population Genetics

4) Chinese Herbs Modernization

Awards:

1) -Ten people who mattered this year, Nature , 2012
2) Zhou Guangzhao Award, Zhou Guangzhao Foundation, 2013
3) You Bring Charm to the World Award, Phoenix TV, 2013
4) Scientific Chinese for 2012, China Association for Science, 2013
5) Shenzhen Natural Science Prize for 2010, Shenzhen City, 2012
6) Shenzhen Technology Invention Prize for 2011, Shenzhen City, 2012
7) Youth Scientific Award in China, China Assosiation for Science and Technology, 2011
8) Guangdong Youth May Fourth Medal, Guangdong Provincial Government, 2011
9) National Model Worker, the State Council, 2010
10) Shenzhen Science and Technology Innovation Prize, Shenzhen City, 2009
11) the State Council Special Allowance, the State Council, 2008
12) Guangdong May Day Labor Medal, Guangdong Provincial Government, 2008
13) China's Top Ten Scientific and Technological Progress, Academicians of the Chinese Academy of Sciences and Chinese Academy of Engineering, 2008
14) Award for Science and Sino-Danish Collaboration, Denmark, 2007
15) National New Century BaiQianWan Talents, the China National Authorities, 2006
16) The Danish Research Council: Young Elite Scientist, Royal Danish Foundation Award, 2006
17) Chinese Academy of Sciences Outstanding Scientific and Technical Achievement Award, Chinese Academy of Sciences, 2003
18) Outstanding Young People of the Central State Organs, the China National

Authorities, 2003

19) Award for Excellent Scientific Team Achievements, Hong Kong QiuShi Foundation, 2002

20) the Major Chinese Academy of Sciences Major Innovation Award, Chinese Academy of Sciences, 2002

Selected Publications:

1) Y.-H. Huang, Y.-R. Li, D.-W. Burt, H.-L. Chen, Y. Zhang, W.-B. Qian, H.Kim, S.-Q. Gan, Y.-Q. Zhao, J.-W. Li, K. Yi, H.-P. Feng, P.-Y. Zhu, B. Li, Q.-Y. Liu, S. Fairley, K.-E. Magor, Z.-L. Du, X.-X Hu, L. Goodman, H. Tafer, A. Vignal, T. Lee, K.-W. Kim, Z.-Y. Sheng, Y. An, S. Searle, J. Herrero, M.-A M. Groenen, R.-P M A. Crooijmans, T. Faraut, Q.-L. Cai, R.-G. Webster, J.-R. Aldridge, W.-C. Warren, S. Bartschat, S. Kehr, M. Marz, P.-F. Stadler, J. Smith, R.-H S. Kraus, Y.-F. Zhao, L.-M. Ren, J. Fei, M. Morisson, P. Kaiser, D.-K. Griffin, M. Rao, F. Pitel, **J.Wang**, N. Li. The duck genome and transcriptome provide insight into an avian influenza virus reservoir species . *Nature Genetic.* **45,** 776 783, 2013.

2) X.-J. Zhan, S.-K. Pan, J.Y. Wang, A. Dixon, J. He, M.-G. Muller, P.-X. Ni, L. Hu, Y. Liu, H.-L. Hou, Y.-P. Chen, J.-Q Xia, Q. Luo, P.-W. Xu, Y. Chen, S.-G. Liao, C.-C. Cao, S.-K. Gao, Z.-B. Wang, Z. Yue, G.-Q Li, Y. Yin, N.-C. Fox, **J. Wang**, M.-W. Bruford. Peregrine and saker falcon genome sequences provide insights into evolution of a predatory lifestyle. *Nature Genetics*, **45,** 563 566, 2013.

3) H.-Q. Ling, S.-C. Zhao, D.-C. Liu, J.-Y. Wang, H. Sun, C. Zhang, H.-J. Fan, D. Li, L.-L. Dong, Y. Tao, C. Gao, H.-L. Wu, Y.-W. Li, Y. Cui, X.-S. Guo, S.-S. Zheng, B. Wang, K. Yu, Q.-S. Liang, W.-L. Yang, X.-Y. Lou, J. Chen, M.-S2JEET]TDC BT1 03P9(Y)92(a)4(n

Spannagl, K.-F. X. Mayer, D. Li, S.-K. Pan, F.-Y. Zheng, Q. Hu, X.-C. Xia, J.-W. Li, Q.-S. Liang, J. Chen, T. Wicker, C.-Y. Gou, H.-H. Kuang, G.-Y. He, Y.-D. Luo, B. Keller, Q,-J. Xia, P. Lu, J.-Y. Wang, H.-F. Zou, R.-Z. Zhang, J.-Y. Xu, J.-L. Gao, C. Middleton, Z.-W. Quan, G.-M. Liu, J. Wang, International Wheat Genome Sequencing Consortium, H.-M. Yang, X. Liu, Z.-H. He, L. Mao, **J. Wang**. *Aegilops tauschii* draft genome sequence reveals a gene repertoire for wheat adaptation. *Nature*, **496,** 91 95, 2013.

5) J.-F. Chen, Q.-F. Huang, D.-Y. Gao, J.-Y. Wang, Y.-S. Lang, T.-Y. Liu, B. Li, Z.-T. Bai, J.-L. Goicoechea, C.-Z. Liang, C.-B. Chen, W.-L. Zhang, S.-H. Sun, Y. Liao, X.-M. Zhang, L. Yang, C.-L. Song, M.-J. Wang, J.-F. Shi, G. Liu, J.-J. Liu, H.-L. Zhou, W.-L. Zhou, Q.-L. Yu, N. An, Y. Chen, Q.-L. Cai, B. Wang, B.-H. Liu, J.-M. Min, Y. Huang, H.-L. Wu, Z.-Y. Li, Y. Zhang, Y. Yin, W.-Q. Song, J.-M. Jiang, S. -A. Jackson, R.-A. Wing, **J. Wang**, M.-S. Chen. Whole-genome sequencing of *Oryza brachyantha* reveals mechanisms underlying *Oryza* genome evolution. *Nature Communications*, **4,** 1595, 2013.
6) Y. Fan, Z.-Y. Huang, C.-C. Cao, C.-S. Chen, Y.-X. Chen, D.-D. Fan, J. He, H.-L. Hou, L. Hu, X.-T. Hu, X.-T. Jiang, R. Lai, Y.-S. Lang, B. Liang, S.-G. Liao, D. Mu, Y.-Y. Ma, Y.-Y. Niu, X.-Q. Sun, J.-Q. Xia, J. Xiao, Z.-Q. Xiong, L. Xu, L. Yang, Y. Zhang, W. Zhao, X.-D. Zhao, Y.-T. Zheng, J.-M. Zhou, Y.-B. Zhu, G.-J. Zhang, **J. Wang**, Y.-G. Yao. Genome of the Chinese tree shrew. *Nature Communications*, **4,** 1426, 2013.
7) M.-D. Shapiro, Z. Kronenberg, C. Li, E.-T. Domyan, H.-L. Pan, M. Campbell, H. Tan, C.-D. Huff, H.-F. Hu, A.-I. Vickrey, S.-C.A. Nielsen, S.-A. Stringham, H. Hu, E. Willerslev, M.-T.P. Gilbert, M. Yandell, G.-J. Zhang, **J. Wang**. Genomic Diversity and Evolution of the Head Crest in the Rock Pigeon. *Science*, 339 , 1063-1067, 2013.
8) R.-K. Varshney, C. Song, R.-K. Saxena, S. Azam, S. Yu, A.-G. Sharpe, S. Cannon, J. Baek, B.-D. Rosen, B. Tar'an, T. Millan, X.-D. Zhang, L.-D. Ramsay, A. Iwata, Y. Wang, W. Nelson, A.-D. Farmer, P.-M. Gaur, C. Soderlund, R.-V. Penmetsa, C.-Y. Xu, A.-K. Bharti, W.-M. He, P. Winter, S.-C. Zhao, J.-K. Hane, N. Carrasquilla EMC /P <MCID 233/Lang (en>BD EMC /P <MCID 234/Lang (en-US)>BDC BT77.625 B

K.-C. Bansal, X. Xu, D. Edwards, G.-Y Zhang, G. Kahl, J. Gil, K.-B. Singh, S.-K. Datta, S.-A. Jackson, **J.Wang**, D.-R. Cook. Draft genome sequence of chickpea (*Cicer arietinum*) provides a resource for trait improvement. *Nature Biotechnology*, **31,** 240 246, 2013.

9) M.-S. You, Z. Yue, W.-Y. He, X.-H. Yang, G. Yang, M. Xie, D.-L. Zhan, S.-W. Baxter, L. Vasseur, G.-M. Gurr, C.-J. Douglas, J.-L. Bai, P. Wang, K. Cui, S.-G. Huang, X.-C, Li, Q. Zhou, Z.-Y Wu, Q.-L Chen, C.-H Liu, B. Wang, X.-J. Li, X.-F. Xu, C.-X. Lu, M. Hu, J.-W. Davey, S.-M. Smith, M.-S. Chen, X.-F. Xia, W.-Q. Tang, F.-S. Ke, D.-D. Zheng, Y.-L Hu, F.-Q. Song, Y.-C. You, X.-L. Ma, L. Peng, Y.-K. Zheng, Y. Liang, Y.-Q. Chen, L.-Y. Yu, Y.-N. Zhang, Y.-Y. Liu, G.-Q. Li, L. Fang, J.-X. Li, X. Zhou, Y.-D. Luo, C.-Y. Gou, J.-Y Wang, J. Wang, H.-M. Yang, **J. Wang**. A heterozygous moth genome provides insights into herbivory and detoxification. *Nature Genetics*, **45,** 220 225, 2013.

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15) J.-J. Qin, Y.-R. Li, Z.-M. Cai, S.-H. Li, J.-F. Zhu, F. Zhang, S.-S. Liang, W.-W. Zhang, Y.-L. Guan, D.-Q. Shen, Y.-Q. Peng, D.-Y. Zhang, Z.-Y. Jie, W.-X. Wu, Y.-W. Qin, W.-B. Xue, J.-H. Li, L.-C. Han, D.-H. Lu, P.-X. Wu, Y.-L. Dai, X.-J. Sun, Z.-S. Li, A.-F. Tang, S.-L. Zhong, X.-P. Li, W.-C. Chen, R. Xu, M.-B. Wang, Q. Feng, M.-H. Gong, J. Yu, Y.-Y. Zhang, M. Zhang, T. Hansen, G. Sanchez, J. Raes, G. Falony, S. Okuda, M. Almeida, E. LeChatelier, P. Renault, N. Pons, J.-M. Batto, Z.-X. Zhang, H. Chen, R.-F. Yang, W.-M. Zheng, S.-G. Li, H.-M. Yang, J. Wang, S. D. Ehrlich, R. Nielsen, O. Pedersen, K. Kristiansen, **J. Wang**. A metagenome-wide association study of gut microbiota in type 2 diabetes. *Nature*, **490,** 55-60, 2012.

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17) S.-Q. Zhang, T. Jiang, M. Li, X. Zhang, Y.-Q. Ren, S.-C. Wei, L.-D. Sun, H. Cheng, Y. Li, X.-Y. Yin, Z.-M. Hu, Z.-Y. Wang, Y. Liu, B.-R. Guo, H.-Y. Tang, X.-F. Tang, Y.-T. Ding, J.-B. Wang, P. Li, B. Y. Wu, W. Wang, X.-F. Yuan, J.-S. Hou, W.-W. Ha, W.-J. Wang, Y.-J. Zhai, J. Wang, F.-F. Qian, F.-S. Zhou, G. Chen, X.-B. Zuo, X.-D. Zheng, Y.-J. Sheng, J.-P. Gao, B. Liang, P. Li, J. Zhu, F.-L. Xiao, P.-G. Wang, Y. Cui, H. Li, S.-X. Liu, M. Gao, X. Fan, S.-K. Shen, M. Zeng, G.-Q. Sun,Y. Xu, J.-Chu Hu, T.-T. He, Y.-R. Li, H.-M. Yang, J. Wang, Z.-Y. Yu, H.-F. Zhang, X. Hu, K. Yang, J. Wang, S.-X. Zhao, Y.-W. Zhou, J.-J. Liu, W.-D. Du, L. Zhang, K. Xia, S. Yang, **J. Wang** , X.-J. Zhang. Exome sequencing identifies *MVK* mutations in disseminated superficial actinic porokeratosis. *Nature Genetics*, **44,** 1156-1160, 2012.

18) K.-B. Wang, Z.-W. Wang, F.-G. Li, W.-W. Ye, J.-Y. Wang, G.-L. Song, Z. Yue, L. Cong, H.-H. Shang, S.-L. Zhu, C.-S. Zou, Q. Li, Y.-L. Yuan, C.-R. Lu, H.-L. Wei, C.-Y. Gou, Z.-Q. Zheng, Y. Yin, X.-Y. Zhang, K. Liu, B. Wang, C. Song, N. Shi, R. J. Kohel, R. G. Percy, J. Z. Yu, Y.-X. Zhu, **J. Wang**, S.-X. Yu. The draft genome of a diploid cotton *Gossypium raimondii*. *Nature Genetics*, **44,** 1098-1103, 2012.

19) Q. Qiu, G.-J. Zhang, T. Ma, W.-B. Qian, J.-Y. Wang, Z.-Q. Ye, C.-C. Cao, Q.-J. Hu, J. Kim, D. M. Larkin, L. Auvil, B. Capitanu, J. Ma, H. A. Lewin, X.-J. Qian, Y.-S. Lang, R. Zhou, L.-Z. Wang, K. Wang, J.-Q. Xia, S.-G. Liao, S.-K. Pan, X. Lu, H.-L. Hou, Y. Wang, X.-T. Zang, Y. Yin, H. Ma, J. Zhang, Z.-F. Wang, Y.-M. Zhang, D.-W. Zhang, T. Yonezawa, M. Hasegawa, Y. Zhong, W.-B. Liu, Y. Zhang, Z.-Y. Huang, S.-X. Zhang, R.-J. Long, H.-M. Yang, J. Wang, J. A. Lenstra, D. N. Cooper, Y. Wu, **J. Wang**, P. Shi, J. Wang, J.-Q. Liu. The yak genome and adaptation to life at high altitude. *Nature Genetics*, **44,** 946-949, 2012.

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D. Barber, W.-C. Chou, A. Aggarwal, K. Hao, W. Zhou, C.-S. Zhang, J. Hardwick, C. Buser, J.-C. Xu, Z.-Y. Kan, H.-Y. Dai, M. Mao, C. Reinhard, **J. Wang**, J.-M. Luk. Genome-wide survey of recurrent HBV integration in hepatocellular carcinoma. *Nature Genetics*, **44,** 765-769, 2012.

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