

Huanming YANG, Ph.D.

CURRICULUM VITAE

FULL TITLE

Professor & President
BGI (Beijing Genomics Institute), China

ADDRESS

Main building
Beishan Industrial Zone
Yantian District
Shenzhen 518083
China

Phone: (86 755) 2527 3796
FAX: (86 755) 2527 3796

E-mail: yanghm@genomics.org.cn

RESEARCH INTEREST

Genomics

EDUCATION

1984-1988 Ph.D. Institute of Medical Genetics, University of Copenhagen, Denmark
1979-1982 M.Sc. Department of Biology, Medical School of Southeast University, Nanjing, China
1975-1978 College of Life Sciences, Zhejiang University, Hangzhou, China

POSTDOCTORAL TRAININGS

1992-1994 Department of Experimental Pathology, University of California, Los Angeles, USA
1990-1992 Bethel Israel Hospital, Harvard University, Boston, USA
1988-1990 Lab of Human Molecular Genetics, Center of Immunology of Marseilles-Luminy, Marseilles, France

PROFESSIONAL EXPERIENCES

1999-	Professor & President	BGI, China
1998-2003	Professor & Director	Human Genome Center, Institute of Genetics, Chinese Academy of Sciences
1994-1998	Professor	Peking Union Medical College/Chinese Academy of Medical Sciences (PUMC/CAMS), Beijing, China
2006 -	Visiting Professor	Inner Mongolian Medical College, Hohhot
2005 -		The CAS Tropical Botanic Garden, Xishuangbanna
2005 -		Institute of Medical Biology, CAMS, Kunming
2005 -		Hainan Medical College, China
2003 -		Chinese Academy of Agricultural Sciences, Beijing
2002 -		Xian Jiaotong University, Xian
2002 -		The 3 rd Military Medical University, Chongqing

2000 - Sichuan University, Chengdu
 2000 - Southeast China University, Nanjing
 1997 - Institute of Human Genetics, University of Aarhus, Aarhus, Denmark

AWARDS AND HONORS

2009	Foreign Academician	Indian National Academy of Sciences
2008	Fellow	The Third World Academy of Sciences (TWAS)
2007	Academician	Chinese Academy of Sciences (CAS), China
2007	Foreign Member	European Molecular Biology Organization (EMBO)
2008	Honorary Professor	The Chinese University of Hongkong, Hongkong
2003		The University of Hongkong, Hongkong
2000	Honorary Teacher	The 4 th Middle School, Beijing China
2008	Honorary Doctorate	The University of Aarhus, Denmark
2004	H & H Prize	H& H Foundation, Hongkong
2004	TWAS Prize for Biology	TWAS
2003	Award for Outstanding Team in Science and Technology Achievements,	CAS
2003	Outstanding Award Against SARS	Chinese Association of Science and Technology
2003	Nikkei Asia Prize for Science	Nihon Keizai Shimbun, Inc. Japan
2002	Research Leader of the Year	“Scientific American”, USA
2002	Award for Outstanding Team in Science & Technology Achievement,	“Qiu Shi” Science & Technologies Foundation, Hongkong
2002	National Natural Science Award (2 nd)	Ministry of Science & Technology, China
1994	Award for Outstanding Young Talent	National Natural Science Foundation of China

PROFESSIONAL COMMITMENTS

Coordinator-in-China	International Human Genome Sequencing Consortium International HapMap Consortium International Chicken Genome Sequencing Consortium International Large Genome Sequencing Consortium International Cancer Genome Consortium International 1000 Genomes Consortium International Giant Panda Genome Consortium
Secretary-General	Chinese Human Genome Project (CHGP)
Chief coordinator	Chinese HapMap Consortium Chinese Hybrid Rice Genome Sequencing Consortium Chinese Silkworm Genome Sequencing Consortium Chinese Cancer Genome Consortium

COMMITMENTS IN BIOETHICS AND SOCIETY

2005 -	Co-Vice-Chairman	European Action in Global Life Sciences (EAGLES)
2005 -	Member	International Governmental Bioethics Committee (IGBC), Representative of PRC, UNESCO
2005 -	Member	International Ethical, Political and Scientific Collegium

1999 -	Member	Expert Panel of the National Office for Administration on Genetic Materials in China
1997 – 2004	Member	International Bioethics Committee (IBC), UNESCO
2001 – 2002	Member	Planning Group on ELSI in Human Genetics, WHO
2002 – 2003	Member	Expert Group on Biotech for the High Commissioner on Human Rights, UN
1994 – 2003	Secretary-General	Chinese Human Genome Diversity Committee, CHGP
1995 – 2003	Secretary-General	Committee of Ethical, Legal, and Social Issues (ELSI), CHGP
2003 -	Member	Editorial Committee-General, The Chinese Cyclopedia
2003 -	Advisor	The Museum of Natural History, Beijing
2006 -	Member	Advisory Committee, National Museum of Science and Technology, Beijing
2008 -	Member	Advisory Committee, The Museum of Natural History, Shanghai

MAJOR PUBLICATIONS

1. R. Li, ... **H. Yang**, J. Wang & J. Wang (**Yang** as one of the co-authors). **The sequence and de novo assembly of the giant panda genome.** *Nature* 463: 311-317, 2009
2. S. Huang, ... **H. Yang**,... Y. Du and S. Li (**Yang** as one of the co-authors). **The genome of the cucumber, *Cucumis sativus* L.** *Nature Genetics* 41: 1275-81. 2009
3. Q. Xia, ... **H. Yang**, ...Z. Xiang & J. Wang (**Yang** as one of the co-authors). **Complete resequencing of 40 genomes reveals domestication events and genes in silkworm (*Bombyx*).** *Science* 326: 433-436, 2009
4. R. Li, ... **H. Yang**, J. Wang & J. Wang (**Yang** as one of the co-authors). **Building the sequence map of the human pan-genome.** *Nature Biotechnology* 28: 57-63. 2009
5. Wang,... **Yang H**, Wang J (**Yang** as one of the corresponding authors). **The diploid genome sequence of an Asian individual.** *Nature* 456:60-65, 2008.
6. The International HapMap Consortium (**Yang** as the coordinator-in-China). **A second generation human haplotype map of over 3.1 million SNPs.** *Nature* 449: 851-861, 2007.
7. The International HapMap Consortium (**Yang** as the coordinator-in-China). **Genome-wide detection and characterization of positive selection in human populations.** *Nature* 449: 913-918, 2007.
8. The Human Chromosome 3 Sequencing Consortium (**Yang** as one of the corresponding authors). **The DNA Sequence, Annotation and Analysis of Human Chromosome 3.** *Nature* 440: 1194-1198, 2006.
9. The International HapMap Consortium (**Yang** as the coordinator-in-China) . **A haplotype map of the human genome.** *Nature* 437: 1299-1320, 2005.
10. Jun Yu, **Huanming Yang**. **The genomes of *Oryza sativa*: A history of duplications.** *PLoS Biology* 3: 266-281, 2005.
11. International Chicken Polymorphism Map Consortium (**Yang** as one of the corresponding authors). **A genetic variation map for chicken with 2.8 million single nucleotide polymorphisms.** *Nature* 432: 717-722, 2004.
12. Jun Yu, **Huanming Yang**. **A draft sequence for the genome of the domesticated silkworm (*Bombyx mori*).** *Science* 306:1937-1940, 2004.
13. International Human Genome Consortium (**Yang** as the Coordinator-in-China). **Finishing the euchromatic sequence of the human genome.** *Nature* 431: 931-945, 2004.

14. International HapMap Consortium (**Yang** as the coordinator-in-China). **Integrating Ethics and Science in the International HapMap project.** *Nature Reviews Genetics* 5: 467-475, 2004.
15. International HapMap Consortium (**Yang** as the coordinator-in-China). **The international HapMap project.** *Nature* 426: 789-796, 2003.
16. Jun Yu, Songnian Hu, Huanming **Yang**. **A draft sequence of the rice (*Oryza sativa ssp. indica*) genome.** *Science* 296: 79-92, 2002.
17. International Human Genome Sequencing Consortium (**Yang** as the coordinator-in-China). **Initial sequencing and analysis of the human genome.** *Nature* 409: 860-921, 2001.