

# Wu Qiang (吳強)

**Position:** Professor

**Faculty:** The State Key Laboratory of Quality Research in Chinese Medicine, Macau University of Science and Technology

**E-mail:** qwu@must.edu.mo

**Telephone:** (853) 88972708 **Fax:** (853) 28822799 **Mobile:** (853) 68818759

**Webpage:** [https://wm-fs2.must.edu.mo/group1/M00/06/EF/rBCDpGc\\_BQSAVZ2RAALiwgFq8hU065.pdf](https://wm-fs2.must.edu.mo/group1/M00/06/EF/rBCDpGc_BQSAVZ2RAALiwgFq8hU065.pdf)

**ORCID:** <https://orcid.org/0000-0003-2049-1639>

**ResearchGate:** <https://www.researchgate.net/profile/Qiang-Wu-55>

**Address:** R505, Macau University of Science and Technology, Avenida Wai Long, Taipa, Macau

## **Academic Qualifications**

1986-1990 B. Agri. Department of Horticulture, Huazhong Agricultural University

1992-1995 M.Sc. Department of Genetics, Wuhan University

1998-2003 Ph. D Department of Biological Sciences, National University of Singapore

## **Employment History**

2025-present Professor, Macau University of Science and Technology

2017-2025 Associate professor, Macau University of Science and Technology

2009-2016 Assistant professor, Department of Biochemistry, National University of Singapore

2006-2008 Research associate, The Gurdon Institute, University of Cambridge  
(Advisor: Prof Magdalena Zernicka-Goetz)

2003-2006 Postdoctoral fellow, Genome Institute of Singapore  
(Advisor: Prof Ng Huck Hui)

2002-2003 Research assistant, National University of Singapore  
(Supervisor: Dr. Philippa Melamed)

1996-1998 Administrator, Wuhan Science and Technology Committee, China

1995-1996 Assistant Lecturer, Tongji Medical University, Wuhan, China

1990-1992 Administrator, Qingling Horticultural Farm, Wuhan, China

## **Recent Awards**

2006-2008 Wellcome Trust Postdoctoral Fellowship

2003-2006 Genome Institute of Singapore Postdoctoral Fellowship

1998-2002 National University of Singapore Postgraduate Scholarship

### **Research Area**

Stem cell biology, Gene regulation, Chinese medicine, Epigenetics, Cancer cells.

### **Editorial Services**

Academic editor of *PLoS ONE* (July 2010-present)

Guest editor of *Stem Cells International* (2015)

Lead guest editor of *Stem Cells International* (2016-2017, 2020)

Academic Editor of *Frontiers in Cell and Developmental Biology* (from 2021)

Academic editor of *Stem Cell Review and Reports* (from 2021)

Section editor of *Current Gene Therapy* (from 2021)

Genetics section editor of *Heliyon* (from 2021)

Guest editor of *Biology* (2025)

### **Membership in Professional Societies**

Member of the International Society for Stem Cell Research

Member of the Stem Cell Society Singapore

Member and the Vice president of Macau Society for Stem Cell Research

### **Peer Reviewing Services**

Referee for *Nucleic Acids Research*, *Nature Communications*, *Protein & Cell*, *Stem Cells*, *Stem Cells Translational Medicine*, *Stem Cell Reviews and Reports*, *Stem Cell Research & Therapy*, *Stem Cell Research*, *Stem Cells International*, *Stem Cells and Development*, *Cell Proliferation*, *Frontiers in Cell and Developmental Biology*, *Frontiers in Immunology*, *Frontiers in Oncology*, *Frontiers in Pharmacology*, *British Journal of Cancer*, *Experimental Cell Research*, *International Journal of Biochemistry & Cell Biology*, *Journal of Genetics and Genomics*, *BMC Medical Genetics*, *Phytomedicine*, *Biochimica et Biophysica Acta*, *PLoS ONE*, *Heliyon*, *Scientific Reports*, *Phytomedicine*, *Current Opinion in Pharmacology*, *STAR Protocols*.

### **Grant Reviewing Services**

Medical Research Council UK grants

China National Natural Science Foundation (Key and General program)  
Singapore Biomedical Research Council grants  
Hong Kong Research Grants Council grants  
National University Health System (Singapore) (Seed, Bench to Bedside, Aspiration)  
National University of Singapore (Academic research grants).

### **Other Academic Services**

**2025:** Member of the Organizing Committee the 4<sup>th</sup> International Conference of the Guangdong-Hong Kong-Macau Greater Bay area in Regenerative Medicine.

**2024:** Member of the Organizing Committee of The Greater Bay Area Science Forum-Macau subforum-International Precision Regenerative Medicine Symposium.

**2024:** Member of the Organizing Committee of the 10th CUHK International Symposium on Stem Cell Biology and Regenerative Medicine and the 3rd Guangdong-Hong Kong-Macau Greater Bay Area International Conference on Regenerative Medicine.

**2023:** Member of the Organizing Committee of the International Precision Regenerative Medicine Symposium 2023 and Plague Unveiling Ceremony of “Macau University of Science and Technology-Precision Regenerative Medicine Research Centre”.

**2023:** Member of the Organizing Committee of the 2<sup>nd</sup> International Conference of the Guangdong-Hong Kong-Macau Greater Bay Area in Regenerative Medicine.

**2022:** Member of the Organizing Committee of the 1st International Conference of the Guangdong-Hong Kong-Macau Greater Bay Area in Translational Medicine and the 4<sup>th</sup> Macau Stem Cell Symposium.

**2020:** Member of the Organizing Committee of the 3rd Macau Stem Cell Symposium.

**2019:** Lead expert judge for China Adolescents Science & Technology Innovation Contest (section of Biochemistry and Molecular Biology).

**2019:** Member of the Organizing Committee of the 2<sup>nd</sup> Macau Stem Cell Symposium.

**2018:** Member of the Organizing Committee of the 1st Macau Stem Cell Symposium.

**2018:** Found member and vice president of the Macau Society of Stem Cell Research. (MSSCR).

### **Teaching History:**

#### ***In Macau University of Science and Technology (MUST):***

Undergraduate modules: Life Sciences (coordinator and the sole teacher), Biochemistry and Molecular Biology, Pharmacology and Toxicology, Molecular Pharmacology (Creator and coordinator).

Graduate modules: Methodology in Pharmacology of Chinese Medicines, Modern Biotechnology, Advances in Chinese Medicine Pharmaceuticals, Advanced Methodology in Pharmacy.

***In National University Singapore (NUS):***

Undergraduate modules: Epigenetics and Chromatin Biology (creator and coordinator), Stem Cell Biology, Experimental Biochemistry, Laboratory Techniques in Life Sciences.

Graduate Modules: Techniques in Biomedical Research, Stem Cells and Regenerative Medicine.

**Publications** (Dated 5 June 2025)

(64 publications; Total citations: **5,971**; H-index **23**)

(\*: co-first author; #: corresponding author)

**2025**

1. Yang M, Wang J, Deng W# and **Wu Q#**. The Crucial Role of Epigenetic Modifications in Wharton's Jelly Stem Cells. ***International Journal of Molecular Sciences***. 2025, 26(15):7169.
2. Fu L, Zhou B, Jiang X, Cheng J, **Qiang Wu#** and Fu J#. Roles of human spermatogenesis associated-protein SPATA3 in cell proliferation and expression pattern of Spata3 in mouse testis. ***Molecular Medicine Reports***. 2025 Sep;32(3):255.
3. Qian Y and **Wu Q#**. The Multifaceted Roles of Zinc Finger Proteins in Pluripotency and Reprogramming. ***International Journal of Molecular Sciences***. 2025, 26(11), 5106.
4. Fu L, Zhou Y, Xu L, Hu YOO, Chen S, Wang M, Jiang X, Zheng M, **Wu Q#**, Fu J#. The influence and association of blood on transfer catheter and vaginal microbiota on pregnancy outcomes in frozen-embryo transfer cycles. ***Journal of Reproductive Immunology***. 2025 Jun;169:104530
5. Song X, Pang Y, Wei Y, Yu D, Wang Y, Gao J, Zhang S, **Wu Q**, Wang J, Zhao S, Deng W. Filamin A suppresses the expression of ribosomal protein genes by controlling the activity of an EGR1-Sp1-GCN5/PCAF pathway in human cells. ***Biochimica et Biophysica Acta Molecular Cell Research***. 2025 Mar;1872(3):119914.

**2024**

6. Li X, Khan I, Han R, Huang G, Xia W, Yin L, Leong WK, Su L, Law BY, Wong VKW, **Wu Q**, Guo X, Hsiao WLW. Gynostemma pentaphyllum saponins shield mice from peanut allergy by modulation of gut microbiota: A novel approach for peanut allergy management. ***Phytomedicine***. 2024 Dec;135:156101.

7. Qian Y, Ye Y, Zhang W, **Wu Q#**. Npac Regulates Pre-mRNA Splicing in Mouse Embryonic Stem Cells. *International Journal of Molecular Sciences*. 2024 Sep 27;25(19):10396.
8. Le M, Lu W, Tan X, Luo B, Yu T, Sun Y, Guo Z, Huang P, Zhu D, **Wu Q**, Ganesan A, Wen S. Design, Synthesis, and Biological Evaluation of Potent EZH2/LSD1 Dual Inhibitors for Prostate Cancer. *Journal of Medicinal Chemistry*. 2024 Sep 12;67(17):15586-15605.
9. Song C, Zhang Z, Leng D, He Z, Wang X, Liu W, Zhang W, **Wu Q**, Zhao Q, Chen G. ERK5 promotes autocrine expression to sustain mitogenic balance for cell fate specification in human pluripotent stem cells. *Stem Cell Reports*. 2024 Sep 10;19(9):1320-1335.
10. Ma X, Dai L, Tan C, Li J, He X, Wang Y, Xue J, Huang M, Ren J, Xia Y, Wu Q, Zhao H, Chan WY, Feng B.  $\beta$ -catenin mediates endodermal commitment of human ES cells via distinct transactivation functions. *Cell & Bioscience*. 2024 Jul 24;14(1):96.
11. Xiao X, Zhang M, Qian Y, Wang X and **Wu Q#**. KLF9 regulates osteogenic differentiation of mesenchymal stem cells. *Journal of Molecular Histology*. 2024 Aug;55(4):503-512.
12. Fu L, **Wu Q#**, Fu J#. Exploring the biological roles of DHX36, a DNA/RNA G-quadruplex helicase, highlights functions in male infertility: A comprehensive review. *International Journal of Biological Macromolecules*. 2024 May;268(Pt 2):131811.
13. Sun B#, Cheng X, **Wu Q#**. The Endometrial Stem/Progenitor Cells and Their Niches. *Stem Cell Reviews and Reports*. 2024 Jul;20(5):1273-1284.
14. Huang M, Liao X, Wang X and **Wu Q#**. POZ/BTB and AT hook containing zinc finger 1 (PATZ1) suppresses differentiation and regulates metabolism in human embryonic stem cells. *International Journal of Biological Sciences* 2024 20(4):1142-1159.

## 2023

15. Wang X, Song C, Ye Y, Gu Y, Li X, Chen P, Leng D, Xiao J, Wu H, Xie S, Liu W, Zhao Q, Chen D, Chen X, **Wu Q#**, Chen G#, Zhang W#. BRD9-mediated control of the TGF- $\beta$ /Activin/Nodal pathway regulates self-renewal and differentiation of human embryonic stem cells and progression of cancer cells. *Nucleic Acids Research* 2023 Nov 27;51(21):11634-11651.
16. Ma L, He X and **Wu Q#**. The Molecular Regulatory Mechanism in Multipotency and Differentiation of Wharton's Jelly Stem Cells. *International Journal of Molecular Sciences* 2023 24(16):12909.
17. Ma L, **Wu Q#** and Tam PK#. The Current Proceedings of PSC-Based Liver Fibrosis Therapy. *Stem Cell Reviews and Reports* 2023 Oct;19(7):2155-2165.
18. Zhang M, Liao X, Ji G, Fan X# and **Wu Q#**. High Expression of COA6 Is Related to Unfavorable Prognosis and Enhanced Oxidative Phosphorylation in Lung Adenocarcinoma. *International Journal of Molecular Sciences* 2023 Mar 16;24(6):5705.
19. Wang X, Fan Y and **Wu#**. The regulation of transcription elongation in embryonic stem cells. *Frontiers in Cell and Developmental Biology* 2023 Feb 16;11:1145611.

## 2022

20. Yin L, Huang G, Khan I, Su L, Xia W, Law BYK, Wong VKW, **Wu Q**, Wang J, Leong WK, Hsiao WLW. Poria cocos polysaccharides exert prebiotic function to attenuate the adverse effects and improve the therapeutic outcome of 5-FU in ApcMin/+ mice. **Chinese Medicine** 2022 Oct 3;17(1):116.
21. Huang Y, **Wu Q**#, Tam PKH#. Immunomodulatory Mechanisms of Mesenchymal Stem Cells and Their Potential Clinical Applications. **International Journal of Molecular Sciences** 2022 Sep 2;23(17):10023.
22. Huang M, **Wu Q**#, Jiang ZH#. Epigenetic Alterations under Oxidative Stress in Stem Cells. **Oxidative Medicine and Cellular Longevity** 2022 Aug 29;2022:6439097.
23. Wang X, **Wu Q**#. The Divergent Pluripotent States in Mouse and Human Cells. **Genes** (Basel). 2022 Aug 16;13(8):1459.
24. Ma L, Huang M, Liao X, Cai X, **Wu Q**#. NR2F2 Regulates Cell Proliferation and Immunomodulation in Whartons' Jelly Stem Cells. **Genes** (Basel). 2022 Aug 16;13(8):1458.
25. Chen J, Lu Y, Ye F, Zhang H, Zhou Y, Li J, **Wu Q**, Xu X, Wu Q, Wei B, Zhang H, Wang H. A Small-Molecule Inhibitor of the Anthranilyl-CoA Synthetase PqsA for the Treatment of Multidrug-Resistant Pseudomonas aeruginosa. **Microbiology Spectrum** 2022 Aug 31;10(4):e0276421.
26. Ji G, Xiao X, Huang M, **Wu Q**. Jmjd6 regulates ES cell homeostasis and enhances reprogramming efficiency. **Heliyon**. 2022 Mar 15;8(3):e09105.
27. Fan XX#, **Wu Q**#. Decoding Lung Cancer at Single-Cell Level. **Frontiers in Immunology** 2022 May 23;13:883758.
28. Chen J, Lu Y, Du Y, Wang H#, **Wu Q**#. Recent development of small-molecular inhibitors against Clostridioides difficile infection. **Bioorganic Chemistry** 2022 Aug;125:105843.
29. Guo Z, Sun Y, Liang L, Lu W, Luo B, Wu Z, Huo B, Hu Y, Huang P, **Wu Q**, Wen S. Design and Synthesis of Dual EZH2/BRD4 Inhibitors to Target Solid Tumors. **Journal of Medicinal Chemistry** 2022 May 12;65(9):6573-6592.
30. Chen J, Li Y, Wang S, Zhang H, Du Y, **Wu Q**#, Wang H#. Targeting Clostridioides difficile: New uses for old drugs. **Drug Discovery Today**. 2022 Jul;27(7):1862-1873.
31. Chen J, Zhang H, Wang S, Du Y, Wei B, **Wu Q**#, Wang H#. Inhibitors of Bacterial Extracellular Vesicles. **Frontiers in Microbiology** 2022 Feb 23;13:835058.
32. Liu J, Zhuang Y, Wu J, Wu Q, Liu M, Zhao Y, Liu Z, Wang C, Lu L, Meng Y, Lei K, Li X, **Wu Q**, Leung EL, Guo Z, Liu L, Li T. IKK $\beta$  mediates homeostatic function in inflammation via competitively phosphorylating AMPK and I $\kappa$ B $\alpha$ . **Acta Pharmaceutica Sinica B** 2022 Feb;12(2):651-664.
33. Leong W, Huang G, Liao W, Xia W, Li X, Su Z, Liu L, Wu Q, Wong VKW, Law BYK, Xia C, Guo X, Khan I, Wendy Hsiao WL. Traditional Patchouli essential oil modulates the host's immune responses and gut microbiota and exhibits potent anti-cancer effects in ApcMin /+ mice. **Pharmacological Research** 2022 Feb;176:106082.

34. Huang M, Xiao X, Ji G, **Wu Q**<sup>#</sup>. Histone modifications in neurodifferentiation of embryonic stem cells. *Heliyon*. 2021 Dec 23;8(1):e08664.
35. Yu S, Li J, Ji G, Ng ZL, Siew J, Lo WN, Ye Y, Chew Y, Long YC, Zhang W, Ernesto Guccione E, Loh YH, Jiang ZH, Yang H and **Wu Q**<sup>#</sup>. Npac Is a Co-factor of Histone H3K36me3 and Regulates Transcriptional Elongation in Mouse ES Cells. *Genomics, Proteomics and Bioinformatics* 2021 Mar 3;S1672-0229(21)00053-X.
36. Ng ZL, Siew J, Li J, Ji G, Yu S, Chew Y, Png CW, Zhang Y, Wen S, Yang H, Zhou Y, Long YC, Jiang ZH, **Wu Q**<sup>#</sup>. PATZ1 Cooccupies Genomic Sites with p53 and Inhibits Liver Cancer Cell Proliferation via Regulating p27. *Frontiers in Cell and Developmental Biology* Feb 1;9:586150.

## 2019

37. He MY, Xu SB, Qu ZH, Guo YM, Liu XC, Cong XX, Wang JF, Low BC, Li L, Wu Q, Lin P, Yan SG, Bao Z, Zhou YT, Zheng LL. Hsp90 $\beta$  interacts with MDM2 to suppress p53-dependent senescence during skeletal muscle regeneration. *Aging Cell* 2019 Oct;18(5):e13003.

## Before 2019

38. Wong YQ, Xu H, **Wu Q**, Liu X, Lufei C, Xu XQ, Fu XY. STAT3-Inducible Mouse ESCs: A Model to Study the Role of STAT3 in ESC Maintenance and Lineage Differentiation. *Stem Cells International* 2018:8632950.
39. Chen L, Ye Y, Dai H, Zhang H, Zhang X, Wu Q, Zhu Z, Spalinskas R, Ren W, Zhang W. User-Friendly Genetic Conditional Knockout Strategies by CRISPR/Cas9. *Stem Cells International* 2018:9576959.
40. Yu S, Ma H, Ow JR, Goh Z, Chiang CM, Yang H<sup>#</sup>, Loh YH<sup>#</sup> and **Wu Q**<sup>#</sup>. Zfp553 is essential for maintenance and acquisition of pluripotency. *Stem Cells and Development* 2016 25(1):55-67.
41. Ma H, Ow JR, Tan BC, Goh Z, Feng B, Loh YH, Fedele M<sup>#</sup>, Li H<sup>#</sup> and **Wu Q**<sup>#</sup>. The dosage of Patz1 modulates reprogramming process. *Scientific Reports* 2014 Dec 17;4:7519.
42. Yang W, Lee YH, Jones AE, Woolnough JL, Zhou D, Dai Q, **Wu Q**, Giles KE, Townes TM and Wang H. The histone H2A deubiquitinase Usp16 regulates embryonic stem cell gene expression and lineage commitment. *Nature Communications* 2014 May 2;5:3818.
43. Ow JR, Ma H, Jean A, Lee YH, Chong YM, Soong R, Fu XY, Yang H<sup>#</sup> and **Wu Q**<sup>#</sup>. Patz1 regulates embryonic stem cell identity. *Stem Cells and Development* 2014 23 (10):1062-1073.
44. Ma H, Ng HM, Teh X, Li H, Lee YH, Chong YM, Loh YH, Collins JJ, Feng B, Yang H<sup>#</sup> and **Wu Q**<sup>#</sup>. Zfp322a regulates mouse ES cell pluripotency and enhances reprogramming efficiency. *PLoS Genetics* 2014 10(2): e1004038.
45. Do DV, Ueda J, Messerschmidt DM, Lorthongpanich C, Zhou Y, Feng B, Guo G, Lin PJ, Hossain MZ, Zhang W, Moh A, **Wu Q**, Robson P, Ng HH, Poellinger L, Knowles BB, Solter D and Fu XY. A genetic and developmental pathway from STAT3 to the OCT4-NANOG circuit is essential for maintenance of ICM lineages in vivo. *Genes & Development* 2013 27:1378-1390.

46. Ma H, Ow JR, Chen X and **Wu Q**<sup>#</sup>. With or without them: essential roles of cofactors in ES Cells. *Journal of Stem Cell Research & Therapy* 2012 S10:006.
47. Lee YH, Ma H, Tan TZ, Ng SS, Soong R, Mori S, Fu XY, Zernicka-Goetz M and **Wu Q**<sup>#</sup>. Protein arginine methyltransferase 6 regulates embryonic stem cell identity. *Stem Cells and Development* 2012 21(14):2613-2622.
48. **Wu Q**<sup>#</sup> and Ng HH<sup>#</sup>. Mark the transition: chromatin modifications and cell fate decision. *Cell Research* 2011 21(10):1388-1390.
49. Lee YH and **Wu Q**<sup>#</sup>. Chromatin regulation landscape of embryonic stem cell identity. *Bioscience Reports* 2011 31(2): 77-86.
50. **Wu Q**<sup>\*</sup>, Bruce AW<sup>\*</sup>, Jedrusik A, Ellis PD, Andrews RM, Langford CF, Glover DM and Zernicka-Goetz M. CARM1 is required in embryonic stem cells to maintain pluripotency and resist differentiation. *Stem Cells* 2009 27(11):2637-2645.
51. **Wu Q**<sup>\*</sup>, Chen X<sup>\*</sup>, Zhang J, Loh YH, Low TY, Zhang W, Zhang W, Sze SK, Lim B, and Ng HH. Sall4 interacts with Nanog and co-occupies Nanog genomic sites in embryonic stem Cells. *Journal of Biological Chemistry* 2006 (281):24090-24094.
52. Loh YH<sup>\*</sup>, **Wu Q**<sup>\*</sup>, Chew JL<sup>\*</sup>, Vega VB, Zhang W, Chen X, Bourque G, George J, Leong B, Liu J, Wong KY, Sung KW, Lee CWH, Zhao XD, Chiu KP, Lipovich L, Kuznetsov VA, Robson P, Stanton LW, Wei CL, Ruan Y, Lim B and Ng HH. The Oct4 and Nanog transcription network regulates pluripotency in mouse embryonic stem cells. *Nature Genetics* 2006 (38): 431-440.
53. Wei CL, **Wu Q**, Vega V, Chiu KP, Ng P, Zhang T, Shahab A, Ridwan A, Fu YT, Weng Z, Liu JJ, Kuznetsov VA, Sung K, Lim B, Liu ET, Yu Q, Ng HH and Ruan Y. The precise global map of p53 transcription factor binding sites in the human genome. *Cell* 2006 (124): 207-219.
54. Zhang J, Tam WL, Tong GQ, **Wu Q**, Chan HY, Soh BS, Lou Y, Yang J, Ma Y, Chai L, Ng HH, Lufkin T, Robson P and Lim B. Sall4 modulates embryonic stem cell pluripotency and early embryonic development by the transcriptional regulation of *Pou5f1*. *Nature Cell Biology* 2006 (8):1114-1123.
55. Vikhanskaya F, Toh WH, Dulloo I, **Wu Q**, Boominathan L, Ng HH, Vousden KH and Sabapathy K. p73 supports cellular growth through c-Jun-dependent AP-1 transactivation. *Nature Cell Biology* 2007 9 (6): 698 –706.
56. Yan J, Jiang J, Lim CA, **Wu Q**, Ng HH and Chin KC. BLIMP1 regulates cell growth through repression of p53 transcription. *Proceedings of the National Academy of Sciences* 2007 104(6):1841-1846.
57. Wang X, Kua HY, Hu Y, Guo K, Zeng Q, **Wu Q**, Ng HH, Karsenty G, Crombrughe BD, Yeh J and Li B. p53 functions as a negative regulator of osteoblastogenesis, osteoblast-dependent osteoclastogenesis, and bone remodeling. *Journal of Cell Biology* 2006 172(1):115-125.
58. Luo M, Koh M, Feng J, **Wu Q** and Melamed P. Cross talk in hormonally regulated gene transcription through induction of estrogen receptor ubiquitylation. *Molecular and Cellular Biology* 2005 25 (16): 7386-7398.
59. Melamed P, Xue Y, Poon JFP, **Wu Q**, Xie H, Yeo J, Foo TWJ and Chua HK. The male seahorse synthesizes and secretes a novel C-type lectin into the brood pouch during early pregnancy. *FEBS Journal* 2005 272(5):1221-1235.



60. **Wu Q**, Zhang W, Pwee KH and Kumar PP. Rice HMGB1 protein recognizes DNA structures and bends DNA efficiently. *Archives of Biochemistry and Biophysics* 2003 (411):105-111.
61. **Wu Q**, Zhang W, Pwee KH and Kumar PP. Cloning and characterization rice *HMGB1* gene. *Gene* 2003 (312):103-109.
62. Zhang W, **Wu Q**, Pwee KH and Kini MR. Interaction of wheat high-mobility-group proteins with four-way-junction DNA and characterization of the structure and expression of HMGA gene. *Archives of Biochemistry and Biophysics* 2003 (409):357-366.
63. Zhang W, **Wu Q**, Jois SDS, Pwee KH and Kini MR. Characterization of the interaction of wheat HMGA with linear and four-way junction DNAs. *Biochemistry* 2003 (42):6596-6607.
64. **Wu Q**, Liao L, Yang D, He G and Shu L. Random amplified polymorphic DNAs (RAPD) in wild rice. *Journal of Tropical and Subtropical Botany* (in Chinese), 1998 (6): 260-266.