

# Curriculum Vita

## **Rongling Wu**

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## **PROFESSIONAL PREPARATION**

Nanjing Forestry University, Forestry, B.S., 1984

Nanjing Forestry University, Forest Genetics and Tree Breeding, M.S., 1987

University of Washington, Quantitative Genetics, Ph.D., 1995

University of Washington, Quantitative Genetics, Post-Doctoral Research Associate, 1995-1996

North Carolina State University, Forest Molecular Genetics, Post-Doctoral Research Associate, 1996-1998

## **APPOINTMENTS**

Assistant Professor of Statistics, University of Florida, 2000-

Research Associate of Statistical Genetics, North Carolina State University, 1998-2000

Assistant Professor of Forestry, Nanjing Forestry University, 1987-1990

## **HONORS AND AWARDS**

Selected Biographee, Marquis Who's Who in 20th Century America, 2002

Outstanding Young Investigator Award (National Science Foundation of China), 2001

Appointed Adjunct Professor, Beijing Forestry University, 2001

Selected Biographee, Marquis Who's Who in the World (page 2416), 2001

The Best Paper Award by the World Chinese Science and Technology Organization, 1999

Visiting Professor, Nanjing Forestry University (3 weeks), 1999

The National Science Foundation Award for participating a workshop on Mathematical Sciences, Department of Mathematical Sciences, Michigan Technological University, 1999

The National Center for Research Resources Award for participating a workshop on the Genetics of Non-Linear Dynamic Systems", Center for Developmental and Health Genetics, Pennsylvania State University, 1998

Appointed Adjunct Professor, Chinese Academy of Forestry, 1998-2001

Third Scientific Invention Prize for high-yielding poplar hybrids (State Science and Technology Commission of China), 1994

Second Scientific and Extension Prize for fast-growing poplar hybrids (Ministry of Forestry of China), 1991

Research Excellence Award (State Economy Commission of China and State Science and Technology Commission of China), 1990

## PROFESSIONAL ACTIVITIES

International Reviewers Panel, Medical Science Monitor (2001-)

Member, American Statistical Association (2001-)

Member, International Biometric Society (2000-)

Member, Genetic Society of America (1996-)

Member, American Association for the Advancement of Science (1996)

Member, New York Academy of Sciences (1996)

Member, Botanical Society of America (1996-1997)

Ad hoc Reviewer, USDA Entomology and Nematology Program (2001)

Ad hoc Reviewer, USDA Plant Genome Program (2000, 2001)

Ad hoc Reviewer, NSF Biological Division (2000)

## PUBLICATIONS

### A. Book

*Statistical Genomics of Complex Traits*, Springer New York (2002, under prep.)

### B. Peer-reviewed papers (a total of 72)

#### I. Statistical methodologies for molecular genetics

72. Ma, C. X., G. Casella, S. S. Wu, M. Chang, R. C. Littell, T. M. Yin, M. R. Huang and **R. L. Wu**, 2001 Functional mapping of quantitative trait affecting growth trajectories. *Genetics* (submitted).
69. Wu, S. S., **R. L. Wu**, C. X. Ma, Z.-B. Zeng, M. Yang and G. Casella, 2001 A multivalent pairing model of linkage analysis in autotetraploids. *Genetics* **159**: 1339-1350 (the first two authors contribute equally to this work).
68. Ma, C. X., R. C. Littell, H. D. Bradshaw, G. Casella and **R. L. Wu**, 2001 Exponential mapping of quantitative traits governing allometric relationships in organisms. *Journal of Mathematical Biology* (under revision).

67. **Wu, R. L.**, C. X. Ma, H. D. Bradshaw and G. Casella, 2001 A statistical model for the genetic origin of allometric scaling laws in biology. *Journal of Theoretical Biology* (accepted with revisions).
62. **Wu, R. L.**, M. Gallo-Meagher, R. C. Littell and Z.-B. Zeng, 2001 A general polyploid model for analyzing gene segregation in outcrossing autotetraploid species. *Genetics* **159**: 869-882.
61. **Wu, R. L.**, and G. Casella, 2001 A preferential pairing model for linkage analysis in allotetraploid species. *Theoretical Population Biology* (under revision).
60. **Wu, R. L.**, C.-X. Ma and G. Casella, 2001 Joint linkage and linkage disequilibrium mapping of quantitative trait loci in natural populations. *Genetics* (accepted).
53. **Wu, R. L.**, C. X. Ma, S. S. Wu and Z.-B. Zeng, 2001 Linkage mapping of sex-specific differences. *Genetical Research* **76**: 700-710.
52. **Wu, R. L.**, T. M. Yin, Q. Zhuge and M. R. Huang, 2001 New theoretical strategies for molecular dissection of complex traits in forest trees. *Acta Botanica Sinica* (in press).
51. **Wu, R. L.**, C.-X. Ma, I. Painter and Z.-B. Zeng, 2001 Simultaneous maximum likelihood estimation of linkage and linkage phase in outcrossing species. *Theoretical Population Biology* (in press).
50. **Wu, R. L.**, and Z.-B. Zeng, 2001 Joint linkage and linkage disequilibrium mapping in natural populations. *Genetics* **157**: 899-909.
40. **Wu, R. L.**, D. M. Yin, M. R. Huang and M. X. Wang, 2000 The application of marker assisted selection to forest tree breeding. *Scientia Silvae Sinicae* **36**(1): 103-113.
38. **Wu, R. L.**, and H. F. Han, 1999 The genetic mapping of quantitative trait loci underlying complex genotype-phenotype relationships in forest trees. *Silvae Genetica* **48**: 133-146.
37. **Wu, R. L.**, D. M. O'Malley and S. E. McKend, 1999 Understanding the genetic architecture of a quantitative trait in gymnosperms by genotyping haploid megagametophytes. *Theoretical and Applied Genetics* **99**: 1031-1038.
36. **Wu, R. L.**, H. X. Liu and Y. F. Han, 1999 Statistical methods for mapping quantitative trait loci in forest trees. *Scientia Silvae Sinicae* **35**(2): 100-117.
34. **Wu, R. L.**, 1999 Mapping quantitative trait loci by genotyping haploid tissues. *Genetics* **152**: 1741- 1752.

## II. Statistical inference on quantitative genetics

71. **Wu, R. L.**, C. X. Ma, M. Chang, S. S. Wu, M. Huang, M. Wang and G. Casella, 2001 A logistic mixture model for detecting major genes governing growth trajectories. *Genetical Research* (submitted) (the first two authors contribute equally to this work).
65. Wu, S. S., C. X. Ma, **R. L. Wu** and G. Casella, 2001 A hierarchical statistical model for estimating population properties of quantitative genes. *Theoretical and Applied Genetics* (submitted).

64. **Wu, R. L.**, 2000 Effect of genetic association and genetic interaction on heterosis. *Theoretical and Applied Genetics* (accepted with major revisions).
63. **Wu, R. L.**, C.-X. Ma, S. S. Wu and G. Casella, 2001 Population genetics of heterosis. *Theoretical and Applied Genetics* (accepted with major revisions).
51. **Wu, R. L.**, B. L. Li, S. S. Wu and G. Casella, 2001 A maximum likelihood-based approach for mining major genes affecting a quantitative character. *Biometrics* **57**: 512-520.
49. **Wu, R. L.**, and B. L. Li, 2000 A quantitative genetic model for analyzing interspecific differences in outcrossing species. *Biometrics* **56**: 52-62.
41. **Wu, R. L.**, 2000 The partitioning of population genetic variance under a multiplicative-epistatic model. *Theoretical and Applied Genetics* **100**: 743-749.
39. **Wu, R.**, and B. Li, 1999 A multiplicative-epistatic model for analyzing interspecific differences in outcrossing species. *Biometrics* **55**: 355-365.
28. **Wu, R. L.**, and D. M. O'Malley, 1998 Nonlinear genotypic responses to macro- and micro-environments. *Theoretical and Applied Genetics* **96**: 669-675.
19. **Wu, R. L.**, 1996 Quantitative genetic dissection of complex traits in a QTL-mapping pedigree. *Theoretical and Applied Genetics* **93**: 447-457.
18. **Wu, R. L.**, 1996 Detecting epistatic genetic variance with a clonally replicated design: Models for low- vs. high-order nonallelic interaction. *Theoretical and Applied Genetics* **93**: 102-109.
17. **Wu, R. L.**, 1995 A quantitative genetic model for mixed diploid and triploid progenies in tree breeding and evolution. *Theoretical and Applied Genetics* **90**: 683-690.

### III. Quantitative molecular genetics

70. Zhang, X. Y., D. M. Yin, Q. Zhuge, M. R. Huang, L. H. Zhu, W. X. Zhai, **R. L. Wu** and M. X. Wang, 2000 RAPD linkage mapping in a *P. deltoides* × *P. euramericana* F<sub>1</sub> family. *Hereditas (Beijing)* **22**: 209-213.
56. Yin, T. M., X. Y. Zhang, M. R. Huang, M. X. Wang, and **R. L. Wu**, 2001 The molecular linkage maps of the Populus genome. *Genome* (accepted).
55. Yin, T. M., M. R. Huang, M. X. Wang, Z.-B. Zeng and **R. L. Wu**, 2001 Interspecific linkage maps of *Populus adenopoda* × *P. alba*. *Genome* **44**: 602-609.
54. **Wu, R. L.**, C.-X. Ma, J. Zhu and G. Casella, 2001 Mapping epigenetic QTL altering a developmental trajectory. *Genome* (accepted).
48. **Wu, R. L.**, Y. F. Han, J. J. Hu, L. Li, M. L. Li and Z-B. Zeng, 2000 An integrated genetic map of Populus based on amplified fragment length polymorphisms. *Theoretical and Applied Genetics* **100**: 1249-1256.
47. **Wu, R. L.**, Z.-B. Zeng, S. E. McKend and D. M. O'Malley, 2000 The case for molecular mapping in forest tree breeding. *Plant Breeding Reviews* **19**: 41-68.

35. **Wu, R. L.**, B. L. Li and Z-N. Zeng, 2000 Molecular dissection of quantitative traits: New perspectives from Populus, pp. 475-490 in *Molecular Biology of Woody Plants*, edited by S. M. Jain and S. C. Minocha. Kluwer Publishers, The Netherlands.
33. Wu, R. L., D. L. Remington, J. Mackay, S. M. McKeand and D. M. O'Malley, 1999 Average effect of a mutation in lignin biosynthesis in loblolly pine. *Theoretical and Applied Genetics* **99**: 705-710.
32. **Wu, R.**, H. D. Bradshaw and R. F. Stettler, 1998 Developmental quantitative genetics of growth in Populus. **Theoretical and Applied Genetics** **97**: 1110-1119.
27. **Wu, R. L.**, 1998 Genetic mapping of QTLs affecting tree growth and architecture in Populus: Implications for ideotype breeding. *Theoretical and Applied Genetics* **96**: 447-457.
26. **Wu, R.**, H. D. Bradshaw and R. F. Stettler, 1997 Molecular genetics of growth and development in Populus. V. Mapping quantitative trait loci affecting leaf variation. *American Journal of Botany* **84**: 143-153.

#### IV. Experimental quantitative genetics

41. **Wu, R. L.**, 2000 Quantitative genetic variation of leaf size and shape of a mixed diploid and triploid hybrid progeny of *Populus trichocarpa* × *P. deltoides*. *Genetical Research* **75**: 215-222.
31. **Wu, R.**, and R. F. Stettler, 1998 Quantitative genetics of growth and development in Populus. III. The phenotypic plasticity of crown structure and function. *Heredity* **81**: 299-310.
30. Li, B., G. Howe and **R. Wu**, 1998 Developmental factors responsible for heterosis in aspen hybrid (*Populus tremuloides* × *P. tremula*). *Tree Physiology* **18**: 29-36.
25. **Wu, R.**, and R. F. Stettler, 1997 Quantitative genetics of growth and development in Populus. II. The partitioning of genotype × environment interactions in growth. *Heredity* **78**: 124-134.
24. Li, B., and *R. Wu*, 1997 Heterosis and genotype × environment interaction of juvenile aspens in two contrasting sites. *Canadian Journal of Forest Research* **27**: 1525-1537.
23. **Wu, R. L.**, 1997 Genetic control of macro- and microenvironmental sensitivities in Populus. *Theoretical and Applied Genetics* **94**: 104-114.
19. Stettler, R. F., L. Zsuffa and **R. Wu**, 1996 The role of hybridization in the genetic manipulation of Populus, pp. 87-112 in *Biology of Populus and Its Implications for Management and Conservation*, edited by R. F. Stettler, H. D. Bradshaw, P. E. Heilman and T. M. Hinckley. NRC Research Press, National Research Council of Canada, Ottawa, ON, Canada.
18. Li, B., and **R. Wu**, 1996 Genetic causes for heterosis in juvenile aspens: A quantitative comparison across intra- and interspecific hybrids. *Theoretical and Applied Genetics* **93**: 380-391.
17. **Wu, R.**, and R. F. Stettler, 1996 The genetic dissection of juvenile canopy structure

- and function in a three-generation pedigree of Populus. *Trees-Structure and Function* **11**: 99-108.
16. **Wu, R.**, and R. F. Stettler, 1994 Quantitative genetics of growth and development in Populus. I. A three-generation comparison of tree architecture during the first two years of growth. *Theoretical and Applied Genetics* **89**: 1046-1054.
  15. **Wu, R. L.**, 1994 Quantitative genetics of yield breeding for Populus short rotation culture. III. Expected efficiency of indirect selection for tree geometry. *Theoretical and Applied Genetics* **88**: 803-811.
  14. **Wu, R. L.**, 1994 Quantitative genetics of yield breeding for Populus short rotation culture. II. Genetic determination and expected selection response of tree geometry. *Canadian Journal of Forest Research* **24**: 155-165.
  12. **Wu, R. L.**, M. X. Wang and M. R. Huang, 1992 Quantitative genetics of yield breeding for Populus short rotation culture. I. Dynamics of genetic control and selection model of yield traits. *Canadian Journal of Forest Research* **22**: 175-182.
  11. Wang, M. X., M. R. Huang and **R. L. Wu**, 1991 On the physiological basis of poplar breeding, pp. 100-125 in *Genetic Improvement of Hardwood Species*, edited by M. R. Huang and Z. Y. Tu. China Forestry Publishing House, Beijing.
  10. **Wu, R. L.**, and M. X. Wang, 1991 Economical genetic analysis of yield breeding in Populus: Technique for multi-trait selection. *Scientia Silvae Sinicae* **27**(2): 20-25.
  9. Wang, M. X., M. R. Huang and R. L. Wu, 1990 New advance in genetic improvement of poplars. *World Forestry Research* **4**: 10-20.
  8. Wang, M. X., M. R. Huang, S. X. Lu, X. Z. Xu, N. Xu and **R. L. Wu**, 1989 Genetic improvement of wood properties of new clones of the Aigeiros poplars. *Journal of Nanjing Forestry University* **13**(3): 9-16.
  7. **Wu, R. L.**, Wang, M. X., M. R. Huang, S. X. Lu, X. Z. Xu and N. Xu, 1989 Study of new clones of the Aigeiros poplars. VII. Early selection of growth. *Journal of Nanjing Forestry University* **13**(1): 10-21.
  6. **Wu, R. L.**, Wang, M. X., M. R. Huang, S. X. Lu, X. Z. Xu and N. Xu, 1988 Study of new clones of the Aigeiros poplars. VI. Dynamic analysis of annual growth during nursery. *Journal of Nanjing Forestry University* **12**(4): 1-12.
  5. **Wu, R. L.**, Wang, M. X., M. R. Huang, S. X. Lu, X. Z. Xu and N. Xu, 1988 Study of new clones of the Aigeiros poplars. V. The relationship of tree architecture with stem form improvement. *Journal of Nanjing Forestry University* **12**(3): 1-14.
  4. **Wu, R. L.**, Wang, M. X., M. R. Huang, S. X. Lu, X. Z. Xu and N. Xu, 1988 Study of new clones of the Aigeiros poplars. IV. The relationship of tree architecture with growth. *Journal of Nanjing Forestry University* **12**(2): 1-12.
  3. Wang, M. X., M. R. Huang, S. X. Lu, X. Z. Xu, N. Xu and **R. L. Wu**, 1988 Study of new clones of the Aigeiros poplars. III. Genetic variation of rooting characters. *Journal of Nanjing Forestry University* **12**(1): 1-11.
  2. Wang, M. X., M. R. Huang, S. X. Lu, X. Z. Xu, N. Xu and **R. L. Wu**, 1987 Study of new

clones of the Aigeiros poplars. II. Analysis of the adaptability and genotypic stability of growth. *Journal of Nanjing Forestry University* **11**(4): 1-14.

1. Wang, M. X., M. R. Huang, S. X. Lu, X. Z. Xu, N. Xu and **R. L. Wu**, 1987 Study of new clones of the Aigeiros poplars. I. Nursery testing. *Journal of Nanjing Forestry University* **11**(2): 1-12.

## V. Population and conservative genetics

57. Hu, X. S., **R. L. Wu** and Y. F. Han, 2001 An approach to sustainable management of population genetic resources of trees. II. Management analyses of plantation and natural population of some autochthonous tree species in China. *Forest Research* **12**: 150-158.
45. Hu, X. S., **R. L. Wu** and Y. F. Han, 2000 An approach to sustainable management of population genetic resources of trees. I. Relevant theoretical analyses of the information on population genetic variation. *Forest Research* **13**: 301-307.
43. Han, Z. M., D. M. Yin, C. D. Li, M. R. Huang and **R. L. Wu**, 2000 Population genetic analysis of *Marssonina brunnea* pathogenic to poplars. *Theoretical and Applied Genetics* **100**: 614-620.

## VI. Integrative biology

66. **Wu, R. L.**, J. E. Grisson, S. E. McKeand and D. M. O'Malley, 2001 Phenotypic plasticity of fine roots and increased plant growth in pines. *Ecology* (submitted).
59. **Wu, R. L.**, and T. M. Hinckley, 2001 Phenotypic plasticity of sylleptic branching: Genetic design of tree architecture. *Critical Reviews in Plant Sciences* **20**: 467-485.
58. **Wu, R. L.**, H. X. Liu and Y. F. Han, 2000 How does phenotypic plasticity affect crown architecture and development? *Scientia Silvae Sinicae* **36**(3): 10-28.
46. **Wu, R. L.**, X. S. Hu and Y. F. Han, 2000 Molecular genetics and developmental physiology: Implications for designing better forest crops. *Critical Reviews in Plant Sciences* **19**: 377-393.
44. **Wu, R.**, J. E. Grisson, D. M. O'Malley and S. M. McKeand, 2000 Adaptive phenotypic plasticity of root system architecture in loblolly pine. *Journal of Sustainable Forestry* **10**: 307-317.
29. **Wu, R. L.**, 1998 The detection of plasticity genes in heterogeneous environments. *Evolution* **54**: 967-977.
13. **Wu, R. L.**, 1993 Simulated optimal structure of a photosynthetic system: Implications for the breeding of forest crop ideotype. *Canadian Journal of Forest Research* **23**: 1631-1638.

## C. Proceedings

**Wu, R. L.**, S. S. Wu and G. Casella. Statistical methodologies for linkage mapping in

- polyploids. *The Proceedings of International Conference on Plant, Animal & Microbe Genome X*. University of California at San Diego, CA, 16-22 January 2002.
- Wu, R. L.**, C. X. Ma and G. Casella. Functional mapping of complex traits. *The Proceedings of International Conference on Plant, Animal & Microbe Genome X*. University of California at San Diego, CA, 16-22 January 2002.
- Wu, R. L.**, and B. L. Li. Maximum likelihood methods for mining genes for a quantitative character. *The Proceedings of the Second International Poplar Symposium*. Portland, OR, 10-15 September 2000.
- Fang, J. J., Y. F. Han, L. Li, J. J. Hu and **R. L. Wu**. Mapping quantitative trait loci affecting resistance to pests in *Populus*. *The Proceedings of the Second International Poplar Symposium*. Portland, OR, 10-15 September 2000.
- Grissom, J. E., **R. L. Wu**, D. M. O'Malley and S. E. McKeand. Response of loblolly pine (*Pinus taeda*) seedlings from diverse families to controlled nutrient supply. *The 25th Biennial Meeting of the Southern Forestry Tree Improvement Conference*. Louisiana State University, New Orleans, LA, 10-14 July 1999.
- Wu, R. L.**, J. S. Grissom, D. M. O'Malley and S. E. McKeand. Provenance difference of loblolly pine in root response to nutritional levels. *Joint Meeting of the North America Forest Biology Workshop and Western Forest Genetics Association*. University of Victoria, Victoria, British Columbia, Canada, 21-26 June 1998.
- Wu, R. L.**, and D. M. O'Malley. Statistical model for mapping quantitative trait loci using megagametophytes in conifer. *The Proceedings of International Conference on Plant and Animal Genome VI*. University of California at San Diego, CA, 16-22 January 1998.
- Wu, R. L.**, D. M. O'Malley, J. Mackay, D. L. Remington, S. M. McKeand and R. R. Sederoff. Average effect of a mutation in lignin biosynthesis in loblolly pine. *The Proceedings of International Conference on Plant & Animal Genome VI*. University of California at San Diego, CA, 16-22 January 1998.
- Wu, R.**, B. Li and D. M. O'Malley. The genetic consequences of small populations in loblolly pine. Joint Annual Meeting of the Botanical Society of America & Canadian Botanical Association. Monreal, Canada (3-8 August 1997). *American Journal of Botany* **84**: S120-S121.
- Wu, R.**, and B. Li. Design IV: Model for estimating gene effects in outcrossing species. *The Proceedings of International Conference on Plant & Animal Genome V*. University of California at San Diego, CA, 12-18 January 1997.
- Wu, R.**, and R. F. Stettler. Developmental genetics of growth and canopy structure in a three-generation hybrid pedigree of *Populus*. *The Proceedings of the First International Poplar Symposium*. University of Washington, Seattle, WA (20-25 August 1995), pp. 68.
- Bradshaw, H. D., Jr, **R. Wu** and R. F. Stettler. Field trials to identify quantitative trait loci underlying growth, morphology, and stress response in *Populus*. *The Proceedings of the First International Poplar Symposium*. University of Washington, Seattle, WA

(20-25 August 1995), pp. 106-109.

**Wu, R.**, and R. F. Stettler. The genetic dissection of tree architecture in *Populus*. *Proceedings of the Joint Conference of Western Mensurationists Association & Western Forest Genetics Association Annual Meeting*. Vancouver, WA (27-30 June 1994), pp.

Stettler, R. F., H. D. Bradshaw, Jr. and **R. Wu**. Field evaluation of a three-generation *Populus trichocarpa* × *P. deltoides* hybrid pedigree: Basis for a QTL analysis. *Proceedings of the Joint Conference of the Western Mensurationists Association & Western Forest Genetics Association Annual Meeting*. Vancouver, WA (27-30 June 1994), pp. 48-49.

**Wu, R.**, P. Glackin and R. F. Stettler. Quantitative genetics of a three-generation *Populus trichocarpa* × *P. deltoides* hybrid pedigree. *Proceedings of the Western Forest Genetics Association Annual Meeting*. University of Colorado, Boulder, CO, 27-30 July 1992.

## INVITED PRESENTATIONS

2002

Polyplod Genome Workshop in the Plant, Animal & Microbe Genome Conference X, San Diego, CA

Forest Tree Genome Workshop in the Plant, Animal & Microbe Genome Conference X, San Diego, CA

2001

University of Alabama, Birmingham, AL

Zhejiang University, Huanzhou

Research Institute of Tropical Forestry, Fuyang

Beijing Forestry University, Beijing

Northwest University of Science and Technology, Yanglin

2000

Nanjing Forestry University, Nanjing

University of California, Riverside

Iowa State University, Ames

Louisiana State University, Baton Rouge

1999

North Carolina State University, Raleigh

Nanjing Forestry University, Nanjing  
Chinese Academy of Forestry, Beijing

1998

Purdue University, West Lafayette  
Chinese Academy of Forestry, Beijing  
Nanjing Forestry University, Nanjing

1997

Nanjing Forestry University, Nanjing

1996

North Carolina State University, Raleigh

1995

University of Minnesota, St. Paul

## **TEACHING EXPERIENCE**

Undergraduate course in *Quantitative Genetics* (60 students), Nanjing Forestry University, 1988

A short graduate course in *Statistical Methodology for Mapping Quantitative Traits* (20 students), Nanjing Forestry University, 1997

A national workshop on *Statistical Molecular Genetics* (15 participants), Chinese Academy of Forestry, 1998

## **GRANT SUPPORT**

QTL involved in suppression of Varroa mite reproduction on honey bees, USDA National Research Initiative Competitive Grants Program, \$180,000, 2001-2002 (with G. Hall)

Statistical genomics of polyploids: linkage analysis and QTL mapping. NSF, \$517,872, 2002-2007 (pending)

## **COLLABORATORS & OTHER AFFILIATIONS**

### **A. Collaborators**

H. D. Bradshaw, Jr., University of Washington  
G. Casella, University of Florida  
M. Chang, University of Florida  
M. Gallo-Meagher, University of Florida  
G. Hall, University of Florida  
Y. F. Han, Chinese Academy of Forestry  
T. M. Hinckley, University of Washington  
M. R. Huang, Nanjing Forestry University  
B. L. Li, North Carolina State University  
R. C. Littell, University of Florida  
C.-X. Ma, University of Florida  
S. D. McKeand, North Carolina State University  
D. M. O'Malley, North Carolina State University  
R. F. Stettler, University of Washington  
S. S. Wu, University of Florida  
Z.-B. Zeng, North Carolina State University

#### **B. Graduate and Postdoctoral Advisors**

M. X. Wang (Master thesis advisor), Nanjing Forestry University  
R. F. Stettler (Ph.D. thesis advisor), University of Washington  
H. D. Bradshaw, Jr. (Postdoctoral sponsor), University of Washington  
D. M. O'Malley & R. R. Sederoff (Post-Doctoral sponsors), North Carolina State University  
B. S. Weir & Z.-B. Zeng (Post-Doctoral sponsors), North Carolina State University

#### **C. Thesis Advisor and Postgraduate-Scholar Sponsor**

Jianjun Fang (Ph.D.), Chinese Academy of Forestry (completed 2000)  
Yunzhe Zhang (M.S.), Chinese Academy of Forestry (completed 2001)  
Qing Lu (Ph.D.), University of Florida (ongoing)