

Curriculum Vitae

Rodney L. Robichaud

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Education:

Ph. D. Candidate, Forestry & Natural Resources, Purdue University,
Research interest: Population Genetics of Black Walnut,
Part-time student: July 2000 – July 2003; Full-time student: July 2003 - present
Expected date of graduation, June 2005

Master of Science, Warnell School of Forest Resources, University of Georgia,
2000, Magna Cum Laude. Major: Forest Resources and Tissue Culture.

Bachelor of Science, State University of New York, College of Environmental
Sciences and Forestry, 1991, Magna Cum Laude. Major: Environmental Forest
Biology.

Associate of Science, State University of New York, Adirondack Community College,
1989, Magna Cum. Major: Math and Science.

Research Experience:

July 2000 – July 2003. Biological Science Technician, (GS-0404), Hardwood Tree
Improvement and Regeneration Center, USDA - Forest Service. Research emphasis:
Using molecular biology in studying black walnut population genetics and related
species.

August 1998 - July 2000. Biological Technician, (GS-0404), North Central Research
Station, USDA - Forest Service. Research emphasis: Improve the maturation of butternut
somatic embryos, hormonal injection study for the induction of early flowering of
Eastern white pine, and maintenance of transformed hybrid poplar lines.

September 1995 - August 1998. Graduate Student, Warnell School of Forest Resources,
University of Georgia. Major research emphasis: Improved maturation of American
chestnut somatic embryos. Minor research emphasis: In vitro propagation of eastern
cottonwood and sweetgum.

September 1991 - August 1992. Research Assistant, Department of Forestry, University of Kentucky, Lexington. Research emphasis: Seasonal variation of alcohol dehydrogenase and sucrose metabolizing enzymes activities and messenger expression from cambium tissue of eastern cottonwood.

May, 1991 - August 1991. Field Research Assistant, Cranberry Lake Biological Research Station, Cranberry Lake, New York. Research emphasis: Alcohol dehydrogenase isozyme study in quaking aspen, and bark beetle attraction to various age class trees of sugar maple and white spruce.

Teaching Experience:

August 2003 – December 2004. Graduate Teaching Assistant, Department of Forestry and Natural Resources, Purdue University, West Lafayette, in Dendrology (FNR 225)

September 1995 - June 1998. Graduate Teaching Assistant, Warnell School of Forest Resources, University of Georgia, Athens, in Dendrology (FRS 3010).

September 1994 - October 1994. Environmental Education Coordinator, Portland YMCA, Portland, Maine. Responsibilities: Coordinating and teaching environmental education courses to grade school students.

June 1994 - September 1994. Environmental Educator, Acadia Institute of Oceanography, Maine. Responsibilities: Teaching and running courses and labs centered around marine biology and oceanography to junior high and high school students.

September 1993 - June 1994. Program Director, The Environmental Schools, Maine. Responsibilities: In charge of supervising teaching personnel and running the school's environmental education program.

March 1993 - June 1993. Environmental Educator, The Environmental Schools, Maine. Responsibilities: Teaching terrestrial and marine environmental education to grade school students.

May, 1992 - June, 1992. Teaching Assistant, Cranberry Lake Biological Research Station, Cranberry Lake, New York (includes 1-hour lecture and field laboratory undergraduate course).

September 1991 - August 1992. Graduate Teaching Assistant, Department of Forestry, University of Kentucky, Lexington, in Silvics and Tree Identification (FOR 219).

Awards, Honors and Memberships:

2004 Spring Symposium winner of the best Graduate Poster, Dept of FNR at Purdue; Archie E. Patterson Scholarship, one full year paid scholarship for academic, research, and overall excellence, UGA, 1997; Outstanding Chemistry Student Award, ACC, 1989; Alpha Xi Sigma Honor Society, SUNY-ESF, 1990; Dean's List, SUNY-ESF, 1989-1991; American Chestnut Foundation, 1995 - 1999.

Publications:

Rodney L. Robichaud., Jeffrey C. Glaubitz, Olin E. Rhodes, Jr., and Keith E. Woeste; Characterization of robust and powerful set of black walnut microsatellites based upon a progeny test, (submitted to New Forest, October, 2004).

Rodney L. Robichaud, V. Lessard and S. A. Merkle, Treatments affecting maturation and germination of American chestnut somatic embryos. *Journal of Plant Physiology*, 2004, 161: 957-969.

Jeffrey C. Glaubitz, Rodney Robichaud, Keith Woeste and Olin E. Rhodes, Jr., Towards guidelines for harvest intensities with minimal impact upon retained genetic diversity in Central Hardwood tree species, In the Proceedings of the 14th Central Hardwood Forest Conference, March, 2004, Columbus, OH.

Oral Presentations:

Rodney L. Robichaud, Jeffrey C. Glaubitz, Keith Woeste, and Olin E. Rhodes, Jr., The Effects of Simulated Management Practices on the Allelic Diversity in a Black Walnut Stand, Population, Evolutionary and Ecological Genomics of Forest Trees Conference, September 13-17th, 2004 at the Asilomar Conference Grounds in Pacific Grove, CA.

Rodney L. Robichaud, Modification of the In Vitro Conditions to Improve the Maturation of American Chestnut Somatic Embryos, Invited speaker for Environmental and Conservation Biology (BIOL 483), November 2000, Purdue University, West Lafayette, IN.

Rodney L. Robichaud, Improved Maturation of American Chestnut Somatic Embryos, Master's defense, April, 2000 Warnell School of Forest Resources, University of Georgia, Athens, GA.

Poster Presentations:

Rodney L. Robichaud., Jeffrey C. Glaubitz, Olin E. Rhodes, Jr., and Keith E. Woeste, CHARACTERIZATION OF ROBUST AND POWERFUL SET OF BLACK WALNUT MICROSATELLITES BASED UPON A PROGENY TEST, 5th International Walnut Symposium, November, 2004, Sorrento, Italy.

Jeffrey C. Glaubitz, Rodney L. Robichaud, Keith Woeste and Olin E. Rhodes, Jr., THE RELATIONSHIP BETWEEN SAMPLE SIZE AND GENETIC DIVERSITY MEASURES FOR A NATIVE POPULATION OF BLACK WALNUT, 5th International Walnut Symposium, November, 2004, Sorrento, Italy.

Rodney L. Robichaud, Jeffrey C. Glaubitz, Keith Woeste, and Olin E. Rhodes, Jr., HOOSIER DADDY: EXPLORING GENE FLOW IN TWO BLACK WALNUT POPULATIONS IN A FRAGMENTED LANDSCAPE IN CENTRAL INDIANA, Population, Evolutionary and Ecological Genomics of Forest Trees Conference, September 13-17th, at the Asilomar Conference Grounds in Pacific Grove, CA.

Rodney L. Robichaud, James McKenna, Brian Beheler, and Keith Woeste, FINDING A WALNUT IN A HAYSTACK: HOW MOLECULAR BIOLOGY CAN HELP REDISCOVER LOST “ELITE” BLACK WALNUTS, Sixth Walnut Research Symposium, July 25-28, 2004, West Lafayette, IN.

Rodney L. Robichaud, Jeffrey C. Glaubitz, Keith Woeste, and Olin E. Rhodes, Jr., POLLEN, PARENTAGE, AND PATERNITY: EXPLORING GENE FLOW IN TWO BLACK WALNUT POPULATIONS IN A FRAGMENTED LANDSCAPE, April 2004, Spring Symposium, Department of Forestry and Natural Resources, Purdue University, West Lafayette, IN.

Rodney L. Robichaud, Jeffrey C. Glaubitz, Keith Woeste, and Olin E. Rhodes, Jr., FINE SCALE GENETIC STRUCTURE OF BLACK WALNUT IN TWO FRAGMENTED STANDS, April 2003, Spring Symposium, Department of Forestry and Natural Resources, Purdue University, West Lafayette, IN.

Glaubitz, Jeffrey C., Rodney Robichaud, Keith Woeste and O. Eugene Rhodes, Jr., THEORETICAL EXPLORATION OF POTENTIAL IMPACTS OF HARVESTING ON GENETIC DIVERSITY IN TREES, April 2003, Spring Symposium, Department of Forestry and Natural Resources, Purdue University, West Lafayette, IN.

Rodney L. Robichaud, Olin E. Rhodes, Jr., Keith Woeste, and Jeff Glaubitz, THE GENETIC EFFECTS OF A DIAMETER LIMITED CUT ON BLACK WALNUT, 13th Central Hardwood Forest Conference, April, 2002, Champaign, IL.

Erin Victory, Rodney L. Robichaud, and Keith Woeste, DESIGNING SPECIFIC CHLOROPLAST MARKERS FOR BLACK WALNUT FROM A SET OF

UNIVERSAL PRIMERS, 13th Central Hardwood Forest Conference, April, 2002, Champaign, IL.

Keith Woeste, Rodney L. Robichaud, Olin E. Rhodes, Jr., Jeanne Romero-Severson, and Charles Michler, USING MICROSATELLITES TO INFORM QUANTITATIVE GENETIC ANALYSIS OF A PROVENANCE-PROGENY TEST: IGNORANCE IS BLISS, IUFRO, Tree Biotechnology in the Next Millennium, July, 2001, Stevenson, WA.

Rodney L. Robichaud, Olin E. Rhodes, Jr., and Keith Woeste, GENETIC ANALYSIS OF *Juglans nigra* FROM A PROVENANCE TEST, April 2001, Spring Symposium, Department of Forestry and Natural Resources, Purdue University, West Lafayette, IN.

References:

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