CURRICULUM VITAE

Mark E. Sorrells

Present Position:
Professor of Plant Breeding and Genetics, Cornell University

Education:
B.S. Botany, Southern Illinois University - Carbondale, 1973
M.S. Plant and Soil Science, Southern Illinois University - Carbondale, 1975
Ph.D. Plant Breeding and Plant Genetics, University of Wisconsin - Madison, 1978

Experience:
Professor, Department of Plant Breeding & Genetics, Cornell University, 1991-present
Chair, Department of Plant Breeding & Genetics, Cornell University, 2006 - 2014
Associate Professor, Department of Plant Breeding & Biometry, Cornell University, 1984-1990
Assistant Professor, Department of Plant Breeding & Biometry, Cornell University, 1978-1984
Post-doctoral Fellow, Department of Agronomy, University of Wisconsin-Madison, 1977-78

Awards and Recognition:
State University of New York Chancellor's Award for Excellence in Faculty Service - 2015
Cornell College of Agriculture and Life Sciences Outstanding Accomplishments in Applied Research - 2012
Crop Science Society of America Board Representative - Elected Representative of C7 Genomics, Molecular Genetics, and Biotechnology 2012-present
Crop Science Society of America – Elected Division Chair of C7 Genomics, Molecular Genetics, and Biotechnology - 2007
Fellow American Society of Agronomy – 2003
Fellow – American Association for the Advancement of Science – 1998
Southern Illinois University College of Agriculture Outstanding Alumnus – 1997
Fellow - Crop Science Society of America, 1993
University of Wisconsin-Madison, Ph.D. Cum Laude, 1978.
Southern Illinois University, M.S. with Honors, 1974.
Southern Illinois University, B.S. with Honors, 1973.
Southern Illinois University, President's Scholar Society, 1970-72.

Professional Societies:
American Association for the Advancement of Science
American Oat Workers
American Society of Agronomy
American Society of Plant Biologists
Crop Science Society of America
Eastern Wheat Workers
Genetics Society of America
Genetics Society of Canada
Sigma Xi

Committees and Editorial Boards:
National Association of Plant Breeders Awards Panel, 2015 – present.
CALS Faculty Renewal Committee, 2015 – present
Cornell Institute for Food Systems Executive Committee, 2014 – present

USWBSI VDHR-NWW Coordinating Project Committee, 2012 -present.
Crop Science Society of America Board C211 Budget and Finance Committee, 2015 – present.
Crop Science Society of America Board Representative, Elected Representative of C7 Genomics, Molecular Genetics, and Biotechnology 2012-present
Vineland Research and Innovation Centre Science Advisory Board, 2012-present
International Triticeae Mapping Initiative Workshop Planning Committee, 2010-present.
Cornell University Conflicts Committee – 2007-present
AAAS Electorate Nominating Committee – 2009-2012
National Wheat Improvement Committee: University Representative for Wheat Genomics, 2007-2015
Crop Science Society of America Division C7 Chair, 2007
CALS Plant Science Curriculum Committee, 2006 - 2012
CALS Executive Committee for Facilities - 2006
National Wheat Improvement Committee: Enabling Subcommittee for Wheat Genomics, 2006
Crop Science Society of America Committee on Crop Registration Articles, 2006
Editorial Advisory Board – Australian Journal of Agricultural Science – 2005-2011
Editorial Board – Theoretical & Applied Genetics – 2005-present
Crop Science Society of America Committee on Organization, policy, and bylaws, 1999-2001
Crop Science Society of America Editorial Board, Assoc. Editor, 1985-1988, 1994-1998
Crop Science Society of America Editorial Board, Technical Editor, 1994-1998
Euphytica Editorial Board, 1994-1998
Wheat Technology Newsletter Editorial Board - 1985-1989
American Society of Agronomy - Chairman Oat Crop Registration Committee, 1987-1992
GrainGenes Liaison Committee – 2003-present
Crop Science Society of America- Committee for the Genetics and Plant Breeding Award for Industry, 1986-1988
Crop Science Society of America - Board of Representatives (C6), 1992-1994
American Society of Agronomy - Board of Representatives (C6), 1992-1994
Crop Science Strategic Review Committee - 1992-4
CSSA - Feasibility Committee for Establishment of "Outstanding Graduate Student Award" - 1993
Chairman of Eastern Wheat Region, 1984-1987
National Wheat Improvement Committee, 1984-1989
Wheat Crop Advisory Committee, 1983-1989
Chairman Wheat Crop Advisory Committee, 1986-1989
American Oat Workers' Conference Committee, Northeastern Region Rep., 1978-present
Northeastern Regional Seed Alliance Governing Board, 1987-present
International Triticeae Mapping Initiative Chromosome 3 Coordinator, 1989-2000.
International Triticeae Mapping Initiative Overall Planning Committee, 2000-2007.
New York Seed Improvement Committee, 1980-1983, 1989-1992, 1998-2001
Numerous committees at the department level.

Teaching:
PLBR716 - Perspectives in Plant Breeding Strategies (alternate years)
PLBR406 – Introductory Plant Breeding Laboratory (Fall semester)
PLBR403 – Marker Assisted Breeding – Annual Guest lecture
PLBR499 - Undergrad independent study (1 to 4 students per semester)
Director of Plant Breeding Undergraduate Advising – 2005-present
Undergraduate advising – 4 to 8 undergraduates/year – 1993-present
College of Agriculture and Life Sciences Plant Science Curriculum Committee - 2006-present

Publications:

Sorrells, M. E., and A. J. Pappelis. 1976. Effect of temperature and osmotic concentration on cotyledon cracking during imbibition of soybeans. Crop Sci. 16:413-415.

Sorrells, M. E., R. E. Harris, and J. H. Lonnquist. 1978. Response of prolific and nonprolific maize to growth-regulating chemicals. Crop Sci. 18:783-787.

Sorrells, M. E., and E. T. Bingham. 1979. Reproductive behavior of soybean haploids carrying the ms1 allele. Can. J. Genet. Cytol. 21:449-455.

Sorrells, M. E., J. H. Lonnquist, and R. E. Harris. 1979. Inheritance of prolificacy in maize. Crop Sci. 19:301-306.

Koch, James L., Imre A. Tamas, and Mark E. Sorrells. 1981. The role of abscisic acid and gibberellic acid in the control of preharvest sprouting of wheat. HortSci. 16(6):727.

Gilchrist, J. A., and M. E. Sorrells. 1982. Inheritance of kernel color in 'Charcoal' wheat. J. of Hered. 73:457-460.

Jensen, N. F., L. H. Edwards, E. L. Smith, and M. E. Sorrells. 1982. Registration of Wintermalt Barley. Crop Sci. 22:157.

Sorrells, Mark E., and Neal F. Jensen. 1982. Registration of Purcell Wheat. Crop. Sci. 20:674.

Sorrells, Mark E., and Neal F. Jensen. 1982. Registration of NY Winter Barley Atracomp Germplasm. Crop. Sci. 22:1268.

Sorrells, M. E., and Oval Myers, Jr. 1982. Duration of developmental stage of 10 milo maturity genotypes. Crop Sci. 22:310-314.

Sorrells, M. E., and S. E. Fritz. 1982. Application of a dominant male-sterile allele to the improvement of self-pollinated crops. Crop Sci. 22:1033-1035.

Brown, K. D., M. E. Sorrells, and W. R. Coffman. 1983. A method for classification and evaluation of testing environments. Crop Sci. 23:889-893.

Cooper, D. C., and M. E. Sorrells. 1983. Greenhouse screening and field evaluation of two oat populations segregating for barley yellow dwarf virus resistance. Cereal Res. Comm. 11:99-105.

Cooper, D. C., and M. E. Sorrells. 1983. Field reaction of eight oat (*A. sativa*) lines to the PAV isolate of barley yellow dwarf virus. Cereal Res. Comm. 11:263-268.

Cooper, D. C., and M. E. Sorrells. 1984. Selection for white kernel color in the progeny of red/white wheat crosses. Euphytica 33:227-232.

Fritz, S. E., and M. E. Sorrells. 1985. Chromosome instability, fertility, and effect of selection in A. abyssinica x A. sativa amphiploids. Can. J. Genet. Cytol. 27:399-404.

Fritz, S. E., and M. E. Sorrells. 1985. Introgression of diploid wild Avena species into Avena sativa. In: Proceedings of the Second International Oats Conference. World Crops: Production, Utilization, Description (eds. Lawes and Thomas). Welsh Plant Breeding Station, Aberystwyth, U.K. pp. 21-24.

Sorrells, M. E., and A. M. Neiss. 1985. Mass selection for plant height using a systemic herbicide. Crop Sci. 25:350-351.

Souza, E., and M. E. Sorrells. 1985. Mass selection for improved milling performance. In: Proceedings of the Second International Oats Conference. World Crops: Production, Utilization, Description (eds. Lawes and Thomas). Welsh Plant Breeding Station,

Aberystwyth, U.K. pp. 127-131.

Hautea R. A., W. R. Coffman, M. E. Sorrells, and G. C. Bergstrom. 1986. Inheritance of partial resistance to powdery mildew in spring wheat. Theor. Appl. Genet. 73:609-615.

Kane, R. T., R. W. Smiley, and M. E. Sorrells. 1986. Relative pathogenicity of selected fusarium species and Microdochium bolleyi to winter wheat in New York. Plant Disease 71(2) :177-181.

Namuco, L. O., W. R. Coffman, G. C. Bergstrom, and M. E. Sorrells. 1986. Virulence spectrum of the Erysiphe graminis f. sp. tritici population in New York. Plant Disease 71(6):539-541.

Seshu, D. V., and M. E. Sorrells. 1986. Genetic studies on seed dormancy in rice. In: Rice Genetics. IRRI, Manila. p. 369-382.

Sorrells, M. E., and A. H. Paterson. 1986. Registration of NY6432-18 and NY6708-18. Wheat germplasm lines. Crop Sci. 26:392-393.

Baenziger, P. S., P. N. Mascia, W. E. Palm, R. T. Fraley, and M. E. Sorrells. 1987. The Impact of molecular genetics on wheat improvement. International Winter Wheat Symposium-Morocco.

Sorrells, Mark E., and Neal F. Jensen. 1987. Registration of Geneva Winter Wheat. Crop. Sci. 27:1314-1315.

Souza, E. J., and M. E. Sorrells. 1988. Mass selection for improved groat percentage in oats. Crop Sci. 28:618-623.

Souza, E., and M. E. Sorrells. 1988. Coefficients of Parentage for North American Oat Cultivars released from 1951 to 1986. Search: Agriculture. Ithaca, NY: Cornell Univ. Agric.Exp. Sta. No. 33, 102 pp.

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Cox, W.J., W.S. Reid, D. J. Otis, G. C. Bergstrom, and M.E. Sorrells. 1989. Fungicide and nitrogen effects on winter wheat under low foliar disease severity. Crop Sci. 29:164-169.

Keyes, G. J., and M. E. Sorrells. 1989. Rht1 and Rht2 semi-dwarf genes effect on hybrid vigor and agronomic traits of wheat. Crop Sci. 29: 1442-1447.

Keyes, G. J., D. Paolillo, and M. E. Sorrells. 1989. The effects of dwarfing genes Rht1 and Rht2 on cellular dimensions and rate of leaf elongation in wheat. Ann. Bot. 64:683-690

Paterson, A. H., M. E. Sorrells, and R. L. Obendorf. 1989. Methods of evaluation for preharvest sprouting resistance in wheat breeding programs. Can. J. Plant Sci. 69: 681-689.

Sorrells, Mark E. 1989. Registration of Willis Winter Barley. Crop Sci. 29:1086.

Sorrells, M. E., A. H. Paterson, and P. L. Finney. 1989. Milling and Baking Quality of Soft White Wheat Genotypes Subjected to Preharvest Sprouting. Cereal Chem. 66:89-93.

Souza, E., and M. E. Sorrells. 1989. Inheritance and frequency of a null allele for diaphorase activity in North American oat cultivars. J. Hered. 80:501-503.

Souza, E., and M. E. Sorrells. 1989. Pedigree analysis of North American oat cultivars released from 1951 to 1985. Crop Sci. 29:595-601.

Fritz, S. E., and M. E. Sorrells. 1990. Effect of mass selection for seed density in populations derived from *Avena abyssinica x A. sativa* amphidecaploids. Euphytica. 46:85-93.

Keyes, G. J., and M. E. Sorrells. 1990 Mutations blocking sensitivity to gibberellic acid promote ethylene induced sterility in wheat. Euphytica 48:129-139.

Keyes, G. J., M. E. Sorrells, and T. L. Setter. 1990. Gibberellic acid regulates cell wall extensibility in wheat (*Triticum aestivum* L.) Plant Physiol. 92:242-245.

Paterson, A.H., and M. E. Sorrells. 1990. Inheritance of grain dormancy in white-kernelled wheats. Crop Sci. 30: 25-30.

Paterson, A.H., and M. E. Sorrells. 1990. Variation in Peroxidase Isozymes During Grain Maturation not Associated with Dormancy in Wheat Genotypes Near-Isogenic for Dormancy Factors. Cereal Res. Comm. 18:209-215.

Paterson, A.H., and M.E. Sorrells. 1990. Spike-based and seed-based selection for improvement of preharvest sprouting resistance in wheat. Euphytica. 46:149-155.

Sammons, D.J., and M.E. Sorrells. 1990. Registration of 'Susquehanna' wheat. Crop Sci. 30:235.

Skinnes, H., and M.E. Sorrells. 1990. Effects of post maturity seed moisture level on seed dormancy in wheat. Acta Agr.Scand. Acta Agric. Scand. 40:341-348.

Souza, E., and M. E. Sorrells. 1990. Inheritance and distribution of variation at four avenin loci in North American oat cultivars. Genome. 33:416-424

Heun, M., A.E. Kennedy, J.A. Anderson, N.L.V. Lapitan, M.E. Sorrells, and S.D. Tanksley. 1991. Construction of an RFLP map for barley (*Hordeum vulgare* L.). Genome 34:437-446.

McMullen, M.S., and M.E. Sorrells 1991. Registration of ‘Newdak’ oat. Crop Sci. 31: 1384.

Paolillo, D.J., Jr., M.E. Sorrells, and G.J. Keyes. 1991. Gibberellic acid sensitivity determines the length of the extension zone in wheat leaves. Ann. Bot. 67:479-485.

Paterson, A.H., S.D. Tanksley, and M.E. Sorrells. 1991. DNA Markers in plant improvement. Adv. Agron. 46:40-90.

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Sorrells, M.E. 1991. New technologies and their application to wheat breeding in warmer areas. Wheat for the Non-Traditional Warmer Areas. UNDP/CIMMYT Intl. Conf. Iguazu Falls, Brazil, July 29-Aug. 3, 1990.

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Souza, E., and M. E. Sorrells. 1991. Genetic relationships among 70 North American oat cultivars. II: Cluster analysis using qualitatively inherited characters. Crop Sci. 31:605-612.

Souza, E., and M. E. Sorrells. 1991. Prediction of progeny variation in oat from parental genetic relationships. Theor. Appl. Genet. 82:233-241.

Anderson, J.A., Y. Ogihara, M.E. Sorrells, and S.D. Tanksley. 1992. Development of a chromosomal arm map for wheat based on RFLP markers. Theor. Appl. Genet. 83:1035-1043.

Goffreda, J.C., W.B. Burnquist, S.C. Beer, S.D. Tanksley, and M.E. Sorrells. 1992. Application of molecular markers to assess genetic relationships among accessions of wild oat, *Avena*

sterilis. Theor. Appl. Genet. 85:146-151.

Miller, N.R., G.C. Bergstrom, and M.E. Sorrells. 1992. Effect of wheat spindle streak mosaic virus on yield of winter wheat in New York. Phytopathol. 82:852-857.

Minella E., and M.E. Sorrells. 1992. Aluminum tolerance in barley: Genetic relationships among genotypes of diverse origin. Crop Sci. 32:593-598.

Nachit, N.M., M.E. Sorrells, R.W. Zobel, H.G. Gauch, R.A. Fischer, and W.R. Coffman. 1992a. Association of morpho-physiological traits with grain yield and components of genotype-environment interaction in durum wheat. I. J. Genet. & Breed. 46:363-368.

Nachit, N.M., M.E. Sorrells, R.W. Zobel, H.G. Gauch, R.A. Fischer, and W.R. Coffman. 1992b. Association of environmental variables with sites'mean grain yield and components of genotype-environment interaction in durum wheat. II. J. Genet. & Breed. 46:369-372.

O'Donoughue, L., Z. Wang, M. Röder, M. Leggett, M.E. Sorrells, and S.D. Tanksley. 1992. An RFLP based linkage map of oats based on a cross between two diploid taxa (*Avena atlantica x A. hirtula*). Genome 35:765-771.

Paolillo, D.J., Jr., and M.E. Sorrells. 1992. The spatial distribution of growth in the extension zone of seedling wheat leaves. Ann. Bot. 70:461-470.

Röder, M.S.,M.E. Sorrells, and S.D. Tanksley. 1992. 5S ribosomal gene clusters in wheat: pulsed field gel electrophoresis reveals a high degree of polymorphism. Mol. Gen. Genet. 232:215-220.

Shearl, J.R., and M.E. Sorrells. 1992. Oat seed production and distribution. p. 293-306. *In:* H.G. Marshall and M.E. Sorrells (eds.) Oat Science and Technology. American Society of Agronomy, Madison, WI.

Sorrells, M.E. 1992. Chromosome group 3 report. p. 61 in: Gill, B.S., W.J. Raupp, and H. Corke (eds.) Progress in genome mapping of wheat and related species: Proceedings of the 2nd public workshop of the International Triticeae Mapping Initiative, Manhattan, Kansas, 1991. Report No. 10. Genetic Resources Conservation Program, Davis, CA.

Sorrells, M.E. 1992. Development and application of RFLPs in polyploids. Crop Sci. 32:1086-1091.

Sorrells, M.E., and S.R. Simmons. 1992. Influence of environment on the development and adaptation of oats. p. 115-163. *In:* H.G. Marshall and M.E. Sorrells (eds.) Oat Science and Technology. American Society of Agronomy, Madison, WI.

Sorrells, M.E., J.A. Anderson, Y. Ogihara, and S.D. Tanksley. 1992. Development and application of a chromosomal arm map for wheat based on RFLP markers. p. 3-17 in: Gill, B.S., W.J. Raupp, and H. Corke (eds.) Progress in genome mapping of wheat and related species: Proceedings of the 2nd public workshop of the International Triticeae Mapping Initiative, Manhattan, Kansas, 1991. Report No. 10. Genetic Resources Conservation Program, Davis, CA.

Souza, E., and M.E. Sorrells. 1992. Registration of NY90BC4 Oat Germplasm. Crop Sci. 32:508-509.

Wu, K.K., W. Burnquist, M.E. Sorrells, T.L. Tew, P.H. Moore, and S.D. Tanksley. 1992. The detection and estimation of linkage in polyploids using single-dose restriction fragments. Theor. Appl. Genet. 83:294-300.

Ahn, S. J.A. Anderson, M.E. Sorrells, and S.D. Tanksley. 1993. Homoeologous relationships of rice, wheat, and maize chromosomes. Mol. Gen. Genet. 241:483-490.

Anderson, J.A., G.A. Churchill, J.E. Autrique, S.D. Tanksley, and M.E. Sorrells. 1993. Optimizing parental selection for genetic linkage maps. Genome 36:181-186.

Anderson, J.A., M.E. Sorrells, and S.D. Tanksley. 1993. RFLP analysis of genomic regions associated with resistance to pre-harvest sprouting in wheat by RFLPs. Crop Sci. 33:453-459.

Beer, S.C., J. Goffreda, T.D. Phillips, and M.E. Sorrells. 1993. Assessment of genetic variation in *Avena sterilis* using morphological traits, isozymes, and RFLPs. Crop Sci. 33:1386-1393.

Da Silva, J., M.E. Sorrells, W.L. Burnquist, and S.D. Tanksley. 1993. RFLP linkage map and genome analysis of *Saccharum spontaneum*. Genome 36:782-791.

Hayes, P.M., B.H. Liu, S.J. Knapp, F. Chen, B. Jones, T. Blake, J. Franckowiak, D. Rasmusson, M.E. Sorrells, S.E. Ullrich. 1993. Quantitative trait locus effects and environmental interaction in a sample of North American barley germ plasm. Theor. Appl. Genet. 87:392-401.

Kleinhofs, A., A. Kilian, M.A. Saghai Maroof, R.M. Biyashev, P. Hayes, F.Q. Chen, N. Lapitan, A. Fenwick, T.K. Blake, V. Kanazin, E. Ananiev, L. Dahleen, D. Kudrna, J. Bollinger, S.J. Knapp, B. Liu, M. Sorrells, M. Heun, J.D. Franckowiak, D. Hoffman, R. Skadsen, B.J. Steffenson. 1993. A molecular, isozyme and morphological map of the barley (*Hordeum vulgare*) genome. Theor. Appl. Genet. 86:705-712.

Ma, Z.Q., B.S. Gill, M.E. Sorrells, and S. D. Tanksley. 1993. RFLP markers linked to two Hessian fly-resistance genes in wheat (*Triticum aestivum* L.) from *Triticum tauschii* (coss.) Schmal. Theor. Appl. Genet. 85:750-754.

Röder, M.S., N.L.V. Lapitan, M.E. Sorrells and S.D. Tanksley. 1993. Genetic and physical mapping of barley telomeres Mol. Gen. Genet. 238:294-303.

Rogowsky, P.M., M.E. Sorrells, K.W. Shepard, and P. Langridge. 1993. Characterization of wheat-rye recombinants with RFLP and PCR probes. Theor. Appl Genet. 85:1023-1028.

Cox, T.S., M.E. Sorrells, G.C. Bergstrom, R.G. Sears, B.S. Gill, E.J. Walsh, S. Leath, and J.P. Murphy. 1994. Registration of KS92WGRC21 and KS92WGRC22 hard red winter wheat germplasms resistant to wheat spindle-streak mosaic and wheat soilborne mosaic viruses. Crop Sci. 34:546.

Ma, Z.Q., M.E. Sorrells, and S. D. Tanksley. 1994. RFLP markers linked to powdery mildew resistance genes *Pm1*, *Pm2*, *Pm3* and *Pm4* in wheat. Genome 37:871-875.

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O'Donoughue, L.S., P.J. Ryapati, S.F. Kianian, M.E. Sorrells, S.D. Tanksley, M.Lee, H.W. Rines, and R.L. Phillips. 1994. Development of RFLP-Based linkage maps in diploid and hexaploid oat (Avena sp.). *In:* R.L. Phillips and I.K. Vasil (eds.) DNA-Based Markers in Plants. Kluwer Academic Publishers, MA, USA.

O'Donoughue, L.S., E. Souza, S.D. Tanksley, and M.E. Sorrells. 1994. Relationships among North American oat cultivars based on restriction fragment length polymorphisms. Crop Sci. 34: 1251-1258.

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Beer, S.C., E. Souza, and M.E. Sorrells. 1995 Prediction of genotype performance from ancestral relationship in oat. Crop Sci. 35:69-73.

Da Silva, J.A.G., R. J. Honeycutt, W.L. Burnquist, S.M. Al-Janabi, M.E. Sorrells, S.D. Tanksley, and B.W.S. Sobral. 1995. *Saccharum spontaneum* L 'SES 208' genetic linkage map combining RFLP- and PCR based markers. Mol. Breeding 1:165-179.

Ma, Z.Q., Y-H. Zhao, and M.E. Sorrells. 1995. Inheritance and chromosomal location of a male fertility restoring gene transferred from *Aegilops umbellulata* Zhuk. to *Triticum aestivum* L. Mol. Gen. Genet. 247:351-357.

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Röder, M. S., J. Plaschke, S. U. König, A. Böner, M. E. Sorrells, S. D. Tanksley, and M.W. Ganal. 1995. Abundance, variability, and chromosomal location of microsatellites in wheat. Mol. Gen. Genet. 246:327-333.

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wheat based on RFLPs, morphophysiological traits and coefficient of parentage. Crop Sci. 36:735-742.

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Invited Presentations:

1981

Diallele Selective Mating System - Southern Small Grains/ Eastern Wheat Workers Conference, 1981

Cornell Small Grains Breeding Project - American Society of Agricultural Engineers Cornell Chapter, 1981

1982

Small Grains Breeding Methodology - Ithaca College, 1982

1983

A Methodology for Classification and Evaluation of Environments - Monsanto, 1983

1984

Use of Exotic Germplasm in Wheat Improvement - Eastern Wheat Workers Conference, 1984

Methods for Classification and Evaluation of Environments - Shell Development Co., 1984

1985

Use of Germplasm in Small Grains Breeding - Seed Repository International Workshop, 1985

Winter Wheat Breeding Activities in the Eastern United States - CIMMYT Winter Wheat Workshop, 1985

1986

Wheat Breeding for Milling and Baking Quality at Cornell - USDA Soft Wheat Quality Conference, 1986

Oat Biotechnology Research at Cornell - Oat Biotechnology Symposium

1987

Recurrent Selection for Hybrid Wheat Breeding - Eastern Wheat Workers Conference

1989

Application of RFLP Technology for Wheat Improvement - CIMMYT

1990

Strategies for Improving Milling and Baking Quality - USDA Soft Wheat Quality Conference, Wooster OH - 4/90

New technologies and their application to wheat breeding in warmer areas - International Conference for the Nontraditional Warm Areas - Foz do Iguacu, Brazil - 7/90

Development of a Diploid Oat RFLP map - Quaker Oat Biotechnology Conference - 4/90

Quaker Oat Biotechnology Conference - 11/90

Development of a chromosome arm map for wheat - CIMMYT, 7/90

Development of RFLP maps for wheat and barley at Cornell University - ITMI, Sacramento, CA - 9/90

1991

Genomic Research for Crop Improvement - American Society of Agronomy Annual Meeting, Denver, CO - 11/91

Development and application of a chromosomal arm map for wheat based on RFLP markers - ITMI, Manhattan, KS - 9/91

Quaker Oat Biotechnology Conference - 3/91

Quaker Oat Biotechnology Conference - 11/91

1992

Quaker Oat Biotechnology Conference - 2/92

Molecular Mapping for Crop Improvement - American Society for the Advancement of Science - Chicago, IL - 10/92

Small Grains Breeding at Cornell University - CIMMYT - 6/92

Pulsed Field Gel Electrophoresis, Telomere Mapping and Hypervariable Markers for Wheat - ITMI - CIMMYT - 9/92

1993

Quaker Oat Biotechnology Conference - 1/93
Applications of Molecular Markers to Crop Improvement, World Bank Training Conference - Cornell - 5/93
Relationships Among 81 Durum Genotypes based on RFLPs, Gliadins, Parentage, and Quality Traits - ICARDA - 11/93
Relationships Among 81 Durum Genotypes based on RFLPs, Gliadins, Parentage, and Quality Traits - Zaragosa, Spain - 11/93

1994

Quaker Oat Biotechnology Conference - 2/94
Applications of molecular markers to small grains breeding - goals and strategies - Monsanto - 2/94
International Triticeae Mapping Initiative: Molecular Genetic Research and Mapping in Wheat and its Relatives - North American Wheat Workers Conference, 3/94
Comparative Cereal Genome Mapping - US-Japan Joint Seminar, Classical and Molecular Cytogenetic Analysis of Cereal Genomes - NSF Conference, Kansas State Univ. - 3/94
Application of Molecular Markers to Oat Improvement - North American Oat Workers Conference - 6/94
Marker Assisted Selection Is it Practical? - Univ of Minnesota - 11/94
Comparative mapping of the Gramineae - Oregon State Univ. Seminar - 12/94

1995

Comparative mapping of the Gramineae - Plant Genome III Conference, San Diego, CA - 1/95
Quantitative trait loci associated with preharvest sprouting in white wheat - Abashiri, Japan - 7/95
Small Grains Breeding at Cornell University - CIMMYT - 3/95
Comparative mapping of the Gramineae - National Grassland and Forage Institute - Nikko, Japan - 6/95
Comparative mapping within the Poaceae - IPSR - Norwich England - 9/95
Comparative maps for barley, maize, oat, rice and wheat - Value Added Cereals Conference, Saskatoon, Canada - 6/95
Comparative mapping of grass species - Michigan State Univ. - Chromosome Structure and function Symposium - 12/95
Comparative mapping of the Gramineae: Implications for durum improvement - ICARDA - 3/95

1996

Comparative mapping of maize, oat, rice, and wheat - Dep. of Plant Breeding, Cornell - 3/96
Applications of Molecular Markers to Wheat Improvement - CIMMYT - 3/96
Small Grains Breeding Research at Cornell University - CIMMYT - 3/96
Comparative mapping of maize, oat, rice, and wheat - Purdue University - 4/96

1997

Concepts of plant breeding for oat improvement - The Quaker Oat Company - 1/97
Marker assisted selection for oat improvement - The Quaker Oat Company - 1/97
Triticeae Mapping Populations and Their Status – ITMI Workshop, Plant & Animal Genome V, San Diego – 1/97
Comparative genetics of maize, oats, rice and wheat - Plant Cell and Molecular Biology Program, Cornell - 2/97
Comparative genetics of maize, oats, rice and wheat - Southern Illinois University - 2/97
Strategies for Wheat Improvement Using Molecular Markers – Field Crops Research Institute, Cairo, Egypt - 10/97

1998

Implementation of Marker-Assisted Oat Variety Development - - The Quaker Oat Company - 1/98
Integration and Cross-Referencing of Genomic Information for Rice/Maize/Triticeae – ITMI Workshop, Plant & Animal Genome VI, San Diego – 1/98

Comparative Genomics - Common Ground – – Maize Workshop, Plant & Animal Genome VI, San Diego – 1/98
U.S. Triticeae Genome Initiative: Functional Genomics in Triticeae Crop Species – Monsanto - St. Louis MO - 2/98
Strategies for Improvement of Milling and Baking Quality – Soft Wheat Quality, Wooster, OH – 3/98
Evolution of Comparative Plant Genetics – Stadler Symposium, Univ. of Missouri – 6/98
Information Transfer Across Species – Joint ASHS/CSSA Plant Breeding Symposium, Charlotte, NC -7/98
Comparative Genomics in Crop Improvement – American Society of Agronomy – Baltimore, MD October 19
Application of Comparative Plant Genetics to Crop Improvement – UN-L Biotechnology Seminar – Univ of Nebraska – November 4
Application of Comparative Genetics to Wheat Improvement – INIA, La Estanzuela, Uruguay – November 18
Use of Molecular Markers for Crop Improvement – INIA, La Estanzuela, Uruguay – November 19

1999

Comparative Genomics in Crop Improvement (Keynote) – Australian Plant Breeding Conference – April 22 – Adelaide
Comparative Genomics in Crop Improvement – American Seed Trade Association Conference – June 22 – Palm Springs, CA.
Application of Comparative Plant Genetics to Wheat Improvement(Keynote) – Australian Society of Plant Breeding National Meeting – September 27 – Toowomba

2000

Application of Comparative Plant Genetics to Crop Improvement – Texas A&M Crop Science Department Invited Speaker – March 6.
Comparative Genetics of Drought Tolerance – Zaragosa, Spain – Keynote – April 13
Comparative Genomics for Tef Improvement – Addis Ababa, Ethiopia – Keynote – October 14
Comparative Genomics for Oat Improvement – Christchurch New Zealand – Keynote – November 15

2001

What do Geneva, NYBatavia, Cayuga, and Caledonia have in common? – USDA Soft Wheat Quality Conference, Wooster OH – April 4
Application of Comparative Genomics to Crop Improvement – General Mills, Minneapolis, MN October 3.

2002

Comparative Mapping of Wheat and Rice via Sequence Analysis – Plant and Animal Genome Conference, San Diego, CA – January 15
Prospects for Improvement of Milling and Baking Quality in Wheat – Danone Inc., Paris, France – April 9
Approaches to Improvement of Milling and Baking Quality in Wheat – Eastern Wheat Workers Conference – St. Louis, MO – May 20
Comparative DNA Sequence Analysis of Wheat and Rice Genomes – John Innes/Syngenta Plant Genome Center – Norwich, UK – September 11
Comparative DNA Sequence Analysis of Wheat and Rice Genomes – Boyce Thompson Institute, Cornell Univ. – October 8

2003

Comparative DNA Sequence Analysis of the Wheat and Rice Genomes – Plant and Animal Genome Conference, San Diego, CA – January 11
Rice –Wheat Comparative Mapping Reveals Regional Breakdown of Colinearity – Plant and

Animal Genome Conference, San Diego, CA – January 15
Identification and Utilization of Molecular Markers – Eastern Cereal and Oil Seed Conference, Ottawa, Canada – February 9.
Rice –Wheat Comparative Mapping Reveals Regional Breakdown of Colinearity – Noble Foundation, Ardmore OK, March 10
Identification and Utilization of Molecular Markers – Noble Foundation, Ardmore OK, March 11
Applications of Comparative Genomics to Crop Improvement - Hallauer Symposium, Mexico City, Mexico – August 19
Rice –Wheat EST Mapping Reveals Regional Breakdown of Colinearity – American Society of Agronomy meeting, Denver, CO – November 3

2004

Application of Comparative Genomics to Crop Improvement - 40th Illinois Corn Breeders School - March 1
Comparative DNA Sequence Analysis of the Wheat and Rice Genomes – Physiological and Molecular Plant Biology Program, University of Illinois – March 3
Comparative DNA sequence analysis of mapped wheat ESTs reveals complexity of genome relationships between rice and wheat – Dept of Horticultural Sciences – NY Agric. Expt. Station – March 29
Rice –Wheat Comparative Mapping Reveals Regional Breakdown of Colinearity – Institute for Plant Genomics - Texas A&M University, March 31
Comparative DNA sequence analysis of mapped wheat ESTs reveals complexity of genome relationships between rice and wheat – International Triticeae Mapping Initiative Workshop – University of Minnesota – May 22
Comparative Genomics for Tef Improvement – McKnight CCRP Grantee Conference, Vaals, The Netherlands – November 6-10
Comparative DNA Sequence Analysis of Mapped Wheat ESTs reveals Complexity of Genome Relationships Between Rice and Wheat – 2004 Rice Functional Genomics Conference – November 15-17.

2005

The International Triticeae Mapping Initiative: 15 Years of Evolution - Plant and Animal Genome Conference, San Diego, CA – January 16.
Comparative DNA Sequence Analysis of Mapped Wheat ESTs reveals Complexity of Genome Relationships Between Rice and Wheat – Department of Plant Breeding & Genetics, Cornell Univ. – February 15.
Core Collections of Wheat, Barley, and molecular markers - International Triticeae Mapping Initiative Workshop – Montana State University – May 28
Association Mapping in the Triticeae - Montana State University – May 28
Comparative DNA Sequence Analysis of Mapped Wheat ESTs reveals Complexity of Genome Relationships Between Rice and Wheat (Plenary) – REDBIO Conference, Buenos Aires, Argentina – June 9
Identification and Utilization of Molecular Markers – REDBIO Conference, Buenos Aires, Argentina – June 9
Comparative Genome Analysis of Tef and Rice - Tef & Fingermillet: Comparative Genomics of the Chloridoid Cereals, Nairobi, Kenya, June 29.
Association Analysis as a Breeding Strategy – Noble Foundation Seminar, August 3
Comparative DNA Sequence Analysis of Mapped Wheat ESTs reveals Complexity of Genome Relationships Between Rice and Wheat (Keynote) – Plant Genomics in China VI - August 19
Association Analysis as a Breeding Strategy – Nanjing Agricultural University Seminar, August 24
Comparative DNA Sequence Analysis of Mapped Wheat ESTs reveals Complexity of Genome Relationships Between Rice and Wheat – Nanjing Agricultural University Seminar, August

2006

Association Analysis as a Breeding Strategy – Plant & Animal Genome Meeting- San Diego, January 16

Comparative DNA Sequence Analysis of Mapped Wheat ESTs reveals Complexity of Genome Relationships Between Rice and Wheat – Kasetsart University, Bankok Thailand, January 25

Association Analysis as a Breeding Strategy – Kasetsart University, Bankok Thailand, January 25

Identification and Utilization of Molecular Markers – Kasetsart University, Bankok Thailand, January 25

Comparative DNA Sequence Analysis of Mapped Wheat ESTs reveals Complexity of Genome Relationships Between Rice and Wheat – Chiang Mai University, Chiang Mai, Thailand, January 27

Association Analysis as a Breeding Strategy – Chiang Mai University, Chiang Mai, Thailand, January 27

Identification and Utilization of Molecular Markers – Chiang Mai University, Chiang Mai, Thailand, January 27

Association Analysis as a Breeding Strategy – Welsh Plant Breeding Station, Aberystwith, Wales – February 15

Application of technologies, new knowledge and breeding strategies to wheat improvement (Keynote) – CIMMYT Yield Symposium, Ciudad Obregon, March 12.

Cornell Small Grains Breeding and Genetics Project – Ithaca Kiwanis Club, Ithaca, NY - July 24.

Linkage Disequilibrium and Association Mapping in Wheat Improvement (Keynote) – ITMI Workshop, Victor Habor, Australia, August 30.

Dominant Male-Sterile Populations for Association Mapping and Introgression of Synthetic Wheat Germplasm (Keynote) – SynERGE Synthetic Wheat Symposium – Horsham, Australia – September 5.

Molecular Genetics of Tef – Chloridoid Cereals of Africa Meeting – Addis Ababa, Ethiopia – October 3.

Comparative Genome Analysis: Trends and Applications – American Society of Agronomy International Meeting – Indianapolis, IN – November 14.

Marker Assisted Selection for Fusarium Head Blight & Preharvest Sprouting Resistance in Wheat – Cornell Seed School – Geneva, NY – November 30.

2007

Linkage Disequilibrium and Association Mapping in Wheat Improvement – Plant & Animal Genome Meeting – San Diego, CA – January 15.

Cornell Wheat Breeding Project: Developing Improved Soft White Winter Wheat for the Northeastern U.S. – Kellogg's, Battlecreek MI – February 26.

Is Kernel Size and Shape Related to Wheat Flour Yield? – Soft Wheat Quality Conference, Wooster OH – March 28.

Breeding and Genetic Basis for Tef Improvement in Ethiopia – Chloridoid Conference, McKnight Foundation – Bumala, Kenya – October15-17.

Linkage Disequilibrium and Association Mapping in Wheat Improvement – National Wheat Genomics Conference – Kansas City, KS – December 1.

2008

Resources and Potential for Association Studies in Hexaploid Oat – Plant & Animal Genome Meeting – San Diego – January 12.

Heterosis: Historical and Biological Basis of Heterotic Patterns in Maize – Ceres, Inc., Thousand Oaks, CA – February 20

Cornell Department of Plant Breeding & Genetics: Overview and Field Crops Research Programs – External Review Team, March 20

Cornell Department of Plant Breeding & Genetics: Overview and Field Crops Research Programs

– Monsanto Representatives Visit, March 25
Association Breeding Strategies for Improvement of Self-Pollinated Crops – International Crop Science Congress, Jeju, South Korea – April 18.
Association Breeding Strategies for Improvement of Self-Pollinated Crops – Chungbuk National University, Chungbuk, South Korea – April 22.
Genomic Tools for Oat Improvement – International Oat Conference – University of Minnesota, St. Paul, MN, July 1.
Durable Rust Resistance in Wheat: Marker Development and Optimization – International Wheat Genetics Symposium Rust Workshop – Brisbane Australia – August 21
Mapping eQTL Related to Preharvest Sprouting in White Winter Wheat – Nanjing Agriculture University, Nanjing, China – October 22.
Mapping eQTL Related to Preharvest Sprouting in White Winter Wheat – Northwestern Agriculture and Forestry Technology University - Yangling, China – October 23.
Association Breeding Strategies for Improvement of Self-Pollinated Crops – Northwestern Agriculture and Forestry Technology University - Yangling, China – October 23.
Association Breeding Strategies for Improvement of Self-Pollinated Crops – Nanjing Agriculture University, Nanjing, China – October 27.
Mapping eQTL Related to Preharvest Sprouting in White Winter Wheat – Shandong Agriculture University – Tai'an, Shandong, China – October 28.
Association Breeding Strategies for Improvement of Self-Pollinated Crops – Shandong Agriculture University – Tai'an, Shandong, China – October 28.
Mapping eQTL Related to Preharvest Sprouting in White Winter Wheat – China Agriculture University – Beijing, China – October 31.
Association Breeding Strategies for Improvement of Self-Pollinated Crops – China Agriculture University – Beijing, China – October 31.
Mapping eQTL Related to Preharvest Sprouting in White Winter Wheat – China Academy of Agricultural Science– Beijing, China – November 1.
Association Breeding Strategies for Improvement of Self-Pollinated Crops – China Academy of Agricultural Science– Beijing, China – November 1.
Association Breeding Strategies for Improvement of Self-Pollinated Crops – China Academy of Agricultural Science– Beijing, China – November 1.
Association Breeding Strategies for Crop Improvement – University of Strossmayer Faculty of Agriculture - Osijek, Croatia – November 22.
Association Breeding Strategies for Crop Improvement (Plenary) – Conventional and Molecular Breeding of Field and Vegetable Crops – Novi Sad, Serbia – November 25.
Association Breeding Strategies for Crop Improvement – National Wheat Genomics Conference, Indianapolis, IN, December 5.
Mapping eQTL Related to Preharvest Sprouting in White Winter Wheat – National Wheat Genomics Conference, Indianapolis, IN, December 6.

2009

Association Breeding Strategies for Crop Improvement – Noble Foundation, Ardmore, OK – January 7.
Association Breeding Strategies for Improvement of Self-Pollinated Crops – Plant & Animal Genome Meeting – San Diego – January 12.
Association Breeding Strategies for Crop Improvement – Monsanto – St. Louis, MO – January 26.
Durable Rust Resistance in Wheat: Marker Development and Optimization – Obregon, MX – March 18
Association Breeding Strategies for Crop Improvement – University of Wisconsin, D.C. Smith Memorial Lecture – April 27
Association Breeding Strategies for Wheat Improvement – Eastern Wheat Workers Conference,

Baltimore MD – May 18
Association Breeding Strategies for Wheat Improvement (Plenary) – MapNet, Dunedin, New Zealand – August 26
Association Breeding Strategies for Crop Improvement (Plenary) – Queenstown, New Zealand Molecular Biology Conference - August 31
Molecular Breeding Strategies for Crop Improvement – Plant & Food, Christchurch, New Zealand - September 4
Plant Breeding & Genetics Program – Dow AgroSciences Visit - October 13
Association Breeding Strategies: From Theory to Practice - International Plant Molecular Biology Conference - St. Louis, MO - October 27
Molecular Markers for Tef - Choridoid Cereals Annual Meeting - Bahar Dar, Ethiopia - November 11
Association Breeding Strategies: From Theory to Practice - Japan National Wheat and Barley Research Conference - Fukui, Japan - November 27
Cornell Plant Breeding & Genetics Program - Kihara Institute of Biological Research - Yokohama, Japan - November 30
Association Breeding Strategies: From Theory to Practice - International Plant Breeding Conference - Tsukuba, Japan - December 2
Association Breeding Strategies: From Theory to Practice - Forage Improvement Division - Noble Foundation, Ardmore, OK – December 15.

2010

Association Breeding Strategies: From Theory to Practice -Department of Plant Breeding and Genetics, Cornell University, Ithaca, NY. Invited - February 2, 2010.
Association Breeding Strategies: From Theory to Practice -Department of Agronomy, Kansas State University. Invited - February 25, 2010.
Advances in Soft Wheat Breeding: Where are We Headed? - North American Millers Association, Orlando, FL. Invited - March 23, 2010.
Association Breeding Strategies: From Theory to Practice – Eucarpia Conference, Cambridge, England. Invited - April 7, 2010.
Association Breeding Strategies: From Theory to Practice - IRTA, Lleida, Spain - April 19, 2010.
Cornell Small Grains Marker Assisted Selection - IRTA, Lleida, Spain. Invited - April 22, 2010.
Highlights from the Cornell Department of Plant Breeding and Genetics - IRTA, Lleida, Spain. Invited - April 23, 2010.
Plant Breeding & Genetics Program – Limagrain Visit, Ithaca, NY, 5/21/2010
Genomic Selection for Durable Rust Resistance in Wheat - BGRI Technical Workshop - St. Petersburg Russia. Invited - May 31, 2010.
Marker-Trait Association Breeding Strategies: From Theory to Practice - Grape Research Conference, Geneva NY, Invited - July 31, 2010
Association Breeding Strategies: From Theory to Practice - Nanjing Agriculture University, Nanjing, China. Invited - August 29, 2010.
Molecular Breeding Strategies: Where are we headed? (Opening Plenary Presentation) - International Triticeae Mapping Initiative Conference. Invited - Beijing, China - September 1, 2010.
Association Breeding Strategies: From Theory to Practice - Colorado State University, Fort Collins CO. Invited - October 28, 2010.
Cornell Small Grains Breeding Program – NY Ag & Markets Presentation, Albany, NY, November 16.

2011

Genomics: Wheat Molecular Breeding – Michigan Agri-Business Association Winter Conference, Lansing, MI. Invited – January 12, 2011.
The Future of Wheat Breeding & Genetics: Changes in Public & Private Wheat Breeding. –

Michigan Agri-Business Association Winter Conference, Lansing, MI. Invited – January 12, 2011.

Plant Breeding & Genetics Program – Nunheims Seed Company Visit, Ithaca, NY, 3/29/2011

Association Breeding Strategies: From Theory to Practice – NSF/USDA Phenomes - beyond Genomes Workshop, St. Louis Mo - Invited April 1, 2011.

Plant Breeding & Genetics Program – KWS Lochow Seed Company Visit, Ithaca, NY, 5/28/2011

Plant Breeding & Genetics Program – KeyGene Company Visit, Ithaca, NY, 7/20/2011

Dominant Male-Sterile Populations for Association Mapping and Genomic Selection – Seeds of Discovery Workshop, Mexico City, Mexico. Invited – September 4, 2011.

Opening Welcome Presentation – Tomato Breeders' Roundtable Conference, Ithaca, NY October 10, 2011

Genomic Selection Strategies for Wheat Improvement –Crop Science Society of America, October San Antonio, TX. Invited – October 16, 2011.

Genomic Selection Strategies for Wheat Improvement – Limagrain, Clermont-Fd, France Invited – November 4, 2011.

Genomic Selection Strategies for Wheat Improvement –EWAC-Eucarpia Cereals, NoviSad, Serbia. Invited – November 8, 2011.

Association Breeding Strategies: From Theory to Practice - KWS LOCHOW GMBH, Einbeck, Germany, Invited – November 14, 2011

Association Breeding Strategies for Developing Countries –CROP PLANTS: BIODIVERSITY & GENOMICS, University of Hohenheim, Stuttgart, Germany Invited – November 16, 2011

2012

Association Breeding Strategies: From Theory to Practice – Rutgers Turfgrass Symposium, Rutgers University, New Brunswick, NJ Invited Keynote – January 6, 2012.

Genomic Selection in Plants: Empirical Results and Implications for Wheat and Barley Breeding Programs – Plant & Animal Genome Meeting – San Diego Invited – January 16.

Association Breeding Strategies: From Theory to Practice Invited – German Plant Breeding Conference, Invited Keynote, Giessen, Germany February 28, 2012.

Association Breeding Strategies: Empirical Results and Implications for Germplasm Development – Leibniz Institute of Plant Genetics and Crop Plant Research (IPK), Invited, Gatersleben, Germany, March 2.

Genomic Selection in Plants: Empirical Results and Implications for Wheat and Barley Breeding Programs – University of Guelph, Guelph, Ontario Invited – March 14.

Genomic Selection in Plants: Empirical Results and Implications for Plant Breeding– University of California - Davis, Davis, CA Invited – April 20.

Genomic selection – a step change in plant breeding – IBERS – Aberystwyth, Wales Invited – July 4

Genomic Selection in Plants: Empirical Results and Implications for Plant Breeding – National Alfalfa Conference, Ithaca, NY. Invited – July 11.

Genomic Selection in Plants: Empirical Results and Implications for Plant Breeding – International Crop Science Congress, Bento Gonçalves, Brazil Invited – August 7.

Genomic Selection in Plants: Empirical Results and Implications for Plant Breeding – Tsukuba, Japan Invited – August 31.

Genomic Selection in Plants: Empirical Results and Implications for Plant Breeding – International Plant Molecular Biology Conference, Jeju, Korea Invited – October 24.

Genomic Selection in Plants: Empirical Results and Implications for Plant Breeding – Chungbuk University, South Korea Invited – October 29.

Genomic Selection in Plants: Empirical Results and Implications for Plant Breeding – RDA, Suwon, South Korea Invited – October 29.

2013

Genotyping-by-Sequencing – Eastern Wheat Workers Conference – Wooster OH. Invited –

March 20.
Genomic Selection in Plants: Empirical Results and Implications for Wheat Improvement – First K-State Plant Breeding and Genetics Symposium, Manhattan, KS Invited – April 2.
Genomic Selection in Plants: From Theory to Practice - Poehlman Lecturer at the 9th Annual Soybean Biotechnology Symposium, Columbia, MO Invited – April 10.
Genomic Selection in Plants: Empirical Results and Implications for Wheat Improvement – Wheat Initiative Workshop - Clermont-Ferrand, France Invited – May 15.
Genomic Selection: Empirical Results and Implications for Wheat Breeding – Tamil Nadu University – Tamil Nadu, India Invited – August 24.
Genomic Selection in Plants: Empirical Results and Implications for Wheat Improvement – International Wheat Genetics Symposium – Yokohama, Japan Invited – September 8-14.
Genomic Selection in Plants: Empirical Results and Implications for Wheat Improvement – Department of Crop and Soil Science, Cornell University, Ithaca, NY Invited – October 3.
Genomic Selection in Plants: Empirical Results and Implications for Wheat Improvement – Vineland Research and Innovation Center – Jordon Ontario. Invited – October 30.

2014

Genomic Selection for Gene Introgression – Plant & Animal Genome Meeting – San Diego Invited – January 13.
Genomic Selection: Training Populations and GxE – Plant & Animal Genome Meeting – San Diego Invited – January 14.
Choosing Small Grains Varieties for the Northeast – Empire State Producers Expo – Invited January 23.
Genomic Selection: Training Population Design and GxE –Translational Cereal Genomics, Vienna, Austria. Invited – February 11.
Genomic Selection for Wheat Improvement – CIMMYT Obregon Training Lecture – Invited – Ciudad Obregon, Mexico - March 24.
Genomic Selection: Training Population Design and GxE –2nd Canadian Wheat Symposium Saskatoon Saskatchewon, Canada. Invited – June 10.
Genomic Selection: Training Population Design and GxE –North American Plant Breeders, Minneapolis, MN. Invited – August 7.
Malting Barley for New York State: Meeting the Needs of Barley Growers, Malt Houses, Farm Breweries and Distilleries – NYS Ag&Mkts – Albany, NY Invited - August 14.
Cornell Small Grains Breeding & Genetics Project – Student Organic Seed Symposium – Cortland, NY – Keynote, Invited – August 20.
Genomic Selection in Plants: Empirical Results and Implications for Crop Improvement – 2nd Plant Genomics Congress USA – St. Louis MO Invited – September 10.
Genomic Selection in Plants: Empirical Results and Implications for Crop Improvement – SelectBio Web Conference – Keynote, Invited – October 7.
Genomic Selection in Plants: Empirical Results and Implications for Crop Improvement – Advances in Arachis Genomics Conference – Savannah GA Invited Keynote November 11.

2015

Malting Barley for New York State: Meeting the Needs of Barley Growers, Malt Houses, Farm Breweries and Distilleries – NYS Ag&Mkts – Albany, NY Invited - February 9.
Genomic Selection in Plants: A New Tool for Crop Improvement – 5th International Conference on Next Generation Genomics and Integrated Breeding for Crop Improvement – Hyderabad, India Invited - February 18.
Accelerating Malting Barley Production in the Northeast – New York State Legislators, Albany, NY. Invited. March 9.
Going with the Grain: The Renaissance of NYS Grain Production. International Restaurant & Food Service Show, Farm to City Expo, New York, New York. Invited March 10.
Genomic Selection in Plant Breeding – Genomic Selection Workshop at Kasetsart University (8

lectures), Kamphaeng Sean, Thailand. Invited. March 30-April 5.
Genomic Selection in Plants: Empirical Results and Implications for Crop Improvement – West Virginia University, Morgantown W. Virginia Invited April 14.
Genomic Selection in Plants: A New Tool for Crop Improvement – International Society of Sugar Cane Technologists – Reunion Island, France Invited - June 4.
Genomic Selection in Plants: Training Population Design and GxE – EUCARPIA Cereals Section, Wrocław University of Environment and Life Sciences, International Conference on Rye Breeding and Genetics, 24th - 26th June 2015, Wrocław, Poland
Genomic Selection: Applying Advances in Genomics to Crop Improvement - SelectBio Web Conference – Keynote, Invited – October 21.

Advising:
Major Advisor:
R. Massaquoi, M.S. 1981
K.D. Brown, Ph.D. 1982
J.A. Gilchrist, Ph.D. 1982
D.C. Cooper, M.S. 1982
S.E. Fritz, M.S. 1983
S.E. Fritz, Ph.D. 1985
A.H. Paterson, M.S. 1986
E.J. Souza, M.S. 1987
A.H. Paterson, Ph.D. 1988
G.J. Keyes, Ph.D. 1988
E. Minella, Ph.D. 1988
E.J. Souza, Ph.D. 1989
R. Mishra, M.S. 1990
W. Burnquist, Ph.D. 1991
J.A. Anderson, Ph.D. 1992
S. Beer, M.S. 1992
E. Autrique, Ph.D. 1993
J.A.G. da Silva, Ph.D. 1993
Z. Ma, Ph.D. 1994
J,C, Nelson, Ph.D. 1994
W. Siripoonwiwat, M.S. 1995
J. Barbosa-Neto, Ph.D. 1995
A. Alan, M.S. 1996
W. Siripoonwiwat, Ph.D. 1999
Aftab Khan, Ph.D. 1999
Jiaqian Zhu, Ph.D. 1999
Elizabeth Graznak M.S. 2002
Muhammad Yunus, Ph.D. 1999 – 2003
Ayman Diab, Ph.D. 1999 - 2003
C. Mauricio La Rota, Ph.D. 1999 - 2003
Jesse Munkvold, Ph.D. 2001 - 2006
Flavio Breseghello, Ph.D. 2001 - 2005
Dani Satyawan – withdrew 2002 – 2005
Robert Elshire – withdrew 2004- 2005
Suthasinee Samyong, Ph.D. – 2005 –2010
Keith Williams, Ph.D. – 2006 – 2013
Elliot Heffner, Ph.D. – 2006- 2010
Chiranth C. Rajashekar,M.P.S. - 2009 - 2010
Jessica Rutkowski, Ph.D. - 2009- present
Anna Bishop-Tran, withdrew - 2009- 2011
Sandra Dunckel, M.S. – 2009-2010
Nicolas Heslot, Ph.D. – 2011-2013
Siman Peng M.P.S. – 2011-2013
Philomin Juliana M.S. – 2011-2013
Lynn Veenstra, Ph.D. – 2012 – present
Julio Isidro, M.S. – 2012 – 2014
Jafar Jafarzadeh Ph.D. – 2012 - present
Philomin Juliana Ph.D. – 2013- present
Lisa Kissing Kucek M.S. – 2013 - present

Nicolas Santantonio Ph.D. – 2013 - present
Itaraju Brum Ph.D. – 2014 - present

Minor Advisor:
M. Taiwo, Ph.D. 1978
F.C. Orakwue, M.S. 1980
A. Muhammed, Ph.D. 1982
K.D. Bowman, M.S./Ph.D 1984
R.T. Kane, Ph.D. 1985
A. Dzietor, Ph.D. 1984
A.H. Abdalla, Ph.D. 1988
A.M.C. Schilder, M.S. 1988
R.A. Hautea, Ph.D. 1986
L.O. Namuco, Ph.D. 1986
E.C. Ellis, Ph.D. 1990
M. Ripol, M.S. 1994
J.O. Olufowote, Ph.D. 1994
J. E. Carroll, Ph.D. 1995
R. Grube, Ph.D. 1999
Lance Davidson, Ph.D. 2003
Rebecca Bennett, Ph.D. 2005
Amanda Ingram, Ph.D. 2004
Roberto Lobato-Ortiz, Ph.D. 2007
Jaci Benson, Ph.D. - 2013
Ize Imai, Ph.D. - 2012
Visha Venugopalan, M.P.S. - 2009-2010

Post-Doctorates/Research Associates:
A. Kennedy, 1989-1991
Zhenyuan Wang, 1990-1991
L. S. O'Donoughue, 1990-1994
Allen Van Deynze, 1994-1995
J. Clare Nelson, 1995
William A. Wilson, 1996-1998
Shelly Lupold 1999
Ramesh Kantety 2000-2002
Ju-Kyung Yu 2001-2006
Mahmoud Zeid 2006- 2010
Jesse Munkvold 2006 – 2008
Long-Xi Yu 2008-2012
Julie Dawson 2011-2013
Jeff Endelman 2011-2013
Deniz Akdemir 2011 – Present
Hugues Barbier 2012 – Present
Vahid Edriss 2013 – 2014
Gracia Montilla-Bascon 2014 - present

Visiting Fellows:
F.H. Lin, 1979-80
H. Skinnes, 1985-86

D.V. Seshu, 1986-87
J. Collin, 1988-89
M. Heun, 1990-91
Y. Ogihara, 1990
R. Villareal, 1992
M. Nachit, 1993
S. Akhanpaul, 1994
H. Ketata, 1994
M. Auranen, 1995
A Al-Saleh, 1996
M. Nachit 1999
M Baum, 2000
Ahmad Maqbool, 2001
Hailu Tefera, 2001-2002
Aderajew Haddis, 2002-2003
Soloman Kassa – 2003-2004
Marc Moragues – 2003
Olivera Nickolic - 2005
Marc Moragues – 2005-2007
Xuejun Li – 2006-2007
Amal Merabti – 2006-2007
Ornubol Chomdej – 2006-2007
Dario Novoselovic – 2007-2008
Zongyun Feng - 2009-2010
Sanjay Kumar – 2010
Goro Ishikawa – 2011
Pawan Kulwal – 2011
Sivasamy – 2011
Ranganathan Chandra Babu – 2012
Viktor Korzun - 2014

Undergraduate Advisees:
John Cianchetti
Jessica Omnewski
Amir Wieselfish
Lisa Jones
Jennifer Vidmar
Trevor Dake
Lisa Kohl
Julie Rowe
Alexander Castillo
Abigail Briggs
Nicholas Wagner
Ilana Goldowitz
Nova McCune
Raymond Jacobs
Emily Combs
Gabriel LaHue
Amy Jacobson
Monica Minson
Henry Johnathon Henrichs

Celeste Falcon
Brian Henrich
Yun Ji Choi
Corey Hindin
Amber Visser
Michael Gandler
Victoria Houser
Jeremy Pardo
Karl Kunze
Emily DeBecker