

Ana L. Caicedo
University of Massachusetts
Biology Department
Amherst, MA 01003, USA
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PROFESSIONAL EXPERIENCE

Associate Professor

Biology Department, University of Massachusetts
Amherst, MA, September 2012-present

Visiting Professor

Departamento de Ciencias Biológicas, Universidad de los Andes
Bogotá, Colombia, November 2012-May 2013

Assistant Professor

Biology Department, University of Massachusetts
Amherst, MA, September 2006-2012

Post Doctoral Researcher

Department of Genetics, North Carolina State University
Raleigh, NC, March 2003-August 2006
Supervisor: Michael D. Purugganan

EDUCATION

Ph.D. in Evolutionary Biology

Washington University, St. Louis, MO, January 2003
Evolution, Ecology, and Population Biology Program
Doctoral dissertation: "Molecular Evolution and Population Genetics of a Disease Resistance Locus in *Solanum pimpinellifolium*."
Advisor: Dr. Barbara A. Schaal

B.Sc. in Biology

Universidad de los Andes, Bogotá, Colombia, August 1996
Department of Biology
Thesis: "Molecular Characterization of Wild South American *Phaseolus* Species Using AFLPs"
(original title in Spanish)
Advisor: Dr. Joe Tohme

AWARDS AND HONORS

Catherine M. Lieneman Scholarship in Botany, Washington University, 2000 and 2002.

Howard A. Schneiderman Fellowship, Washington University, 1996.

Colciencias Fellowship. Colombian Institute for the Development of Science and Technology. Bogotá, Colombia. July 1996. Declined.

Lilly Teaching Fellowship. University of Massachusetts, 2008-2009.

FUNDING

Faculty Research Grant/Healy Endowment Grant - UMass Amherst: “The evolutionary genetics of palatability fruit traits across wild and cultivated tomato species”. PI: **Ana L. Caicedo**. Amount: \$15,000. December 2011-November 2012.

Massachusetts Agricultural Experiment Station - Hatch Proposal (National Institute of Food and Agriculture): “Surveying the energy crop model *Brachypodium distachyon* for improved thermo-chemical and biological conversion efficiency”. PI: **Ana L. Caicedo**; Co-PIs: Samuel P. Hazen, George W Huber. Amount: \$30,000. December 2011-November 2014.

NSF Plant Genome Research Program (IOS-1032023): “Genomic structure and contemporary evolution of weediness in red rice”. PI: **Ana L. Caicedo**; Co-PIs: Kenneth M. Olsen, Yulin Jia; Key Collaborators: David Gealy, Nilda Burgos. Sponsor: National Science Foundation. Amount: \$2,490,833. October 2010 - September 2014. Currently on NCE.

DOE-JGI Community Sequencing Program: “Surveying natural diversity of the model grass *Brachypodium distachyon*”. PI John P. Vogel; Co-PIs: Todd C. Mockler, Scott Givan, Luis A.J. Mur, Ana L. Caicedo, Sam Hazen, Tom Juenger, Hikmet Budak, Metin Tuna. No funds requested.

NSF Plant Genome Research Program (DBI-0638820): “The evolutionary genomics of invasive weedy rice”. PI: Kenneth M. Olsen; Co-PIs: **Ana L. Caicedo**, Yulin Jia. Sponsor: National Science Foundation (Plant Comparative Genome Sequencing). Amount: \$1,121,523. October 2006 - September 2010.

Dissertation Improvement Grant (DEB-0073082): “Population genetics of a plant disease resistance gene: *Cf-2* in natural populations of *Lycopersicon pimpinellifolium*”. Sponsor: National Science Foundation. Amount: \$10,000. May 2000 - December 2002.

TEACHING EXPERIENCE

Instructor, Biology Department, University of Massachusetts Amherst.
Molecular Biology of Model Systems, Spring 2007, 2008.
Tropical Field Biology, Spring 2007, 2008.
Population Genetics, Fall 2007, 2008. Spring 2011, 2012.
Advances in Evolutionary Genomics, Spring 2010, Fall 2011, 2013.
Topics in Plant Biology, Fall 2010, 2011, 2013.

Guest Lecturer: Department of Genetics, NC State University.
Evolutionary Genetics, Fall 2004. Instructor: Dr. Michael D. Purugganan.
Plant Biology Core Course I, Fall 2007, 2008, 2009, 2010, 2011, 2013, 2014
Organismic and Evolutionary Biology Core Course, Fall 2010

Teaching Assistant, Department of Biology, Washington University.
Plants, Environment, and Civilization, Spring 2001. Instructor Dr. Barbara A. Schaal.
Evolution, Spring 2000. Instructor: Dr. Jonathan B. Losos.
Fundamentals of Biology I, Spring 1998. Instructor: Dr. Paul S.G. Stein.

Teaching Assistant, Department of Biology, Universidad de los Andes.
Introduction to Biology, Spring 1994. Instructor: Dr. Nohra de Sánchez.
Introduction to Biology, Fall 1994, Spring 1995. Instructor: Dr. Felipe Guhl.

PROFESSIONAL SERVICE

Associate Editor

Molecular Ecology; BMC Evolutionary Biology

Journal Article Reviewer

American Journal of Botany; Annals of Botany; AoB; Bioinformatics; BMC Evolutionary Biology; Crop Protection; Euphytica; Evolution; Genetics; Genome; Journal of Heredity; Molecular Biology and Evolution; Molecular Breeding; Molecular Ecology; Molecular Ecology Notes; Molecular Phylogenetics and Evolution; New Phytologist; Planta; Plant Cell; Plant Molecular Biology; Plant Physiology; Plant Science; PLoS Genetics; PloS ONE; Proceedings of the National Academy of Sciences USA; Rice; Theoretical and Applied Genetics; Weed Science.

Ad Hoc Grant Reviewer

Colciencias (Colombia); European Research Area - Plant Genomics (ERA-PG); National Science Foundation (NSF; DEB, DBI, IOS); Natural Environment Research Council (NERC, UK); United States - Israel Binational Science Foundation (BSF); University of Puerto Rico Institutional Research Fund (FIPI).

Panels Served

National Science Foundation (DEB, IOS, DBI).

UNIVERSITY SERVICE

University Committees

Institutional Chemical Safety Committee (ICSC)

Departmental/Program Committees

Biology Advising Committee: 2011-present

Biology Internet Technology Committee: 2010-present.

Hiring Priorities Committee, 2007-2008; 2010-present.

Personnel Committee, 2009-2010, 2013-present.

Conservation Genetics Assistant Professor Search Committee (Dept. of Natural Resources Conservation), 2008-2009.

Plant Metabolism Assistant Professor Search Committee, 2007-2008.

Plant Pathology/Molecular Genetics Assistant Professor Search Committee (Dept. of Plant Soil and Insect Sciences), 2007.

Organismic and Evolutionary Biology (OEB) Steering Committee, 2007-present.

OEB Seminar Committee, 2009-present.

OEB Evolutionary Core Course Committee, 2009-2012.

OEB Admissions Committee, 2012
Plant Biology (PB) Graduate Operations Committee, 2007-present.
PB Graduate Admissions Committee, 2008-2012.
Biology Greenhouse Committee, 2008-present.
Plant Biology Symposium Organizer, 2008.

Student advising/mentoring

PhD Thesis committees: Zeke Nims (PB), Carrie Thurber (PB), Sasha Tulchinsky (OEB), Ian Gillis (PB), Scott Lee (PB), Barbara Wagner (PB), Evan Palmer-Young (OEB)
Masters Dissertation committees: Natalie Feliciano (PB), Enne Akor (BMB), Mini Aggarwal (PB), Jeff Chiecko (PB), Holly Bernardo (OEB), Loreto Araneda (PSIS), Stephanie Craig (PB), Crystal Cabral (MCB), Gina Trabuco (MCB), Dominick Matos (MCB), Rose Zheng (MCB), Altynay Zhanayeva (PB)
Undergraduate Thesis committees: Jessica Reusch, Mona Salameh, Nicole Eckart, Stephanie Craig, Lauren Resnick, Katherine Day, Sara Goodwin, Deborah Tschong.
Graduate student rotations: Carrie Thurber (PB), Ian Gillis (PB), Zhongyun Huang (PB), Colby Witherup (PB)

RESEARCH SUPERVISION

• University of Massachusetts Amherst:

Post-doctoral Researcher: Dr. Michael Reagon, March 2007-2010; Dr. Katie Hyma, February 2011-February 2012

PhD advisees: Carrie Thurber (PB), Ian Gillis (PB), Zhongyun Huang (PB)

Masters advisees: Stephanie Craig (PB), Altynay Zhanayeva (PB)

Undergraduate work-study: Daniela Schmieder, Spring 2007

Undergraduate independent study: Neil Kalra, Fall 2007, Spring 2008; Mario Moreira, Spring 2008; Nicole Eckart, Fall 2008-Spring 2010; Justin Nicholatos, Spring 2009-Spring 2010; Stephanie Craig, Fall 2009-Spring; Lauren Bishop, Spring 2010; Rafaela Dos Santos, Summer 2010-Spring 2012; Lauren Resnick, Fall 2010-Spring 2012; Sara Goodwin, Fall 2011-present; Katherine Day, Fall 2012-present; Deborah Tschong, Spring 2013-present.

HHMI undergraduate intern: Mona Salameh, Fall 2007, Spring, Summer 2008; Nicole Eckart, Summer 2009

Visiting Student: Jorge Rodriguez, Summer 2013-Fall 2013 (UNal, Colombia)

• North Carolina State University

Undergraduate work-study student: Alexa Avalos, Spring 2004.

• Washington University

Undergraduate work-study student: Anna Pachske, Spring, Summer 2002.

Graduate rotation student: Michele Johnson, Spring 2002.

PROFESSIONAL SOCIETIES

Society for the Study of Evolution
Botanical Society of America
Society for Molecular Biology and Evolution
American Society of Plant Biologists

FIELD EXPERIENCE

OTS Tropical Plant Systematics Course. Costa Rica, June-July, 2000.

Collecting Trip, Perú, December 1999-January 2000.

IV Course in Tropical Ecology and Conservation Biology, Colombia, June-July 1994.

PUBLICATIONS

Journal papers

- Ziska, L.H., D.R. Gealy, N.R. Burgos, **A.L. Caicedo**, J. Gressel, A.L. Lawton-Rauh, L.A. Avila, G. Theisen, J. Norsworthy, A. Ferrero, F. Vidotto, D.E. Johnson, F.G. Ferreira, E. Marchesan, V. Menezes, M.A. Cohn, S. Linscombe, L. Carmona, R. Tang and A. Merotto, Jr. Weedy (Red) Rice: An Emerging Constraint to Global Rice Production. *Advances in Agronomy*, 129. In press.
- Liu, Y., X. Qi, N.D. Young, K.M. Olsen, **A.L. Caicedo**, and Y. Jia. Characterization of resistance genes to rice blast fungus *Magnaporthe Oryzae* in a “Green revolution” rice variety. *Molecular Breeding*. In press.
- Burgos, N.R., V. Singh, T.M. Tseng, H. Black, N. D. Young, Z. Huang, K.E. Hyma, D. R. Gealy, and **A.L. Caicedo**. 2014. The impact of herbicide-resistant rice technology on phenotypic diversity and population structure of U.S. weedy rice. *Plant Physiology*. In press.
- Thurber, C.S., M. Reagon, K.M. Olsen, Y. Jia, and **A.L. Caicedo**. 2014. The evolution of flowering strategies in US weedy rice. *American Journal of Botany*, 101:1737-1747.
- Craig, S., M. Reagon, L. Resnick and **A.L. Caicedo**. 2014. Allele distributions at hybrid incompatibility loci facilitate the potential for gene flow between cultivated and weedy rice in the US. *PLOS One*. 9(1): e86647.
- Vigueira, C.C., K.M. Olsen, and **A.L. Caicedo**. 2013. The red queen in the corn: Agricultural weeds as models of rapid adaptive evolution. *Heredity*, 110: 3013-311.
- Thurber, C.S., M.H. Jia, Y. Jia, and **A.L. Caicedo**. 2013. Similar traits, different genes? Examining convergent evolution in related weedy rice populations. *Molecular Ecology*, 22: 685-698.
- Lee, S., Y. Jia, M. Jia, D.R. Gealy, K.M. Olsen, and **A.L. Caicedo**. 2011. Molecular evolution of the rice blast resistance gene *Pi-ta* in invasive weedy rice in the USA. *PLoS ONE*, 6: e26260.
- Reagon, M., C.S. Thurber, K.M. Olsen, Y. Jia, **A.L. Caicedo**. 2011. The long and the short of it: *SD1* polymorphism and the evolution of growth trait divergence in U.S. weedy rice. *Molecular Ecology*, 20: 3743-3756.
- Brkljacic, J. et al. Grotewold E., Scholl R., Mockler T., Garvin D.F., Vain .P, Brutnell T., Sibout R., Bevan M., Budak H., **Caicedo A.L.**, Gao C., Gu Y., Hazen S.P., Holt III B.F., Hong S-Y, Jordan M., Manzaneda A.J., Mitchell-Olds T., Mochida K., Mur L.A.J., Park C-M,

- Sedbrook J., Watt M., Zheng S.J., Vogel J.P. 2011. Brachypodium as a model for the grasses: Today and the future. *Plant Physiology*, 157: 3-13.
- Hyma, K.E. and **A.L. Caicedo**. 2011. Shedding light on the evolution of plasticity in natural populations. *Molecular Ecology*, 20: 3491-3493.
 - Thurber, C.S., P.K. Hepler, and **A.L. Caicedo**. 2011. Timing is everything: early degradation of abscission layer is associated with increased seed shattering in U.S. weedy rice. *BMC Plant Biology*, 11: 14.
 - Mather, K.A., J. Molina, J.M. Flowers, S. Rubinstein, B.L. Rauh, A. Lawton-Rauh, **A.L. Caicedo**, K.L. McNally, M.D. Purugganan. 2010. Migration, isolation and hybridization in island populations: The case of Madagascar rice. *Molecular Ecology*, 19: 4892-4905.
 - Thurber, C.S, M. Reagon, B.L. Gross, K.M. Olsen, Y. Jia, and **A.L. Caicedo**. 2010. Molecular evolution of shattering loci in U.S. weedy rice. *Molecular Ecology*, 19: 3271-3284.
 - Gross, B.L., M. Reagon, S.C. Hsu, **A.L. Caicedo**, Y. Jia, and K.M. Olsen. 2010. Seeing red: the origin of grain pigmentation in US weedy rice. *Molecular Ecology*, 19: 3380-3393.
 - Reagon, M., C.S. Thurber, B.L. Gross, K.M. Olsen, Y. Jia, and **A.L. Caicedo**. 2010. Genomic patterns of nucleotide diversity in divergent populations of U.S. weedy rice. *BMC Evolutionary Biology*, 10: 180.
 - Lee, S, S. Costanzo, Y. Jia, K.M. Olsen, and **A.L. Caicedo**. 2009. Evolutionary dynamics of the genomic region around the blast resistance gene *Pi-ta* in AA genome *Oryza* species. *Genetics*, 183. 1315-1325.
 - **Caicedo, A.L.**, C. Richards, I.M. Ehrenreich, and M.D. Purugganan. 2009. Complex rearrangements lead to novel chimeric gene fusion polymorphisms at the *Arabidopsis thaliana* *MAF2-5* flowering time gene cluster. *Molecular Biology and Evolution*, 26: 699 - 711.
 - **Caicedo, A. L.** 2008. Geographic diversity cline of *R* gene homologs in wild populations of *Solanum pimpinellifolium* (Solanaceae). *American Journal of Botany* 95: 393-398.
 - Mather, K.A., **A.L. Caicedo**, N.R. Polato, K.M. Olsen, S. McCouch and M.D. Purugganan. 2007. The extent of linkage disequilibrium in rice (*Oryza sativa* L.). *Genetics* 177: 2223-2232.
 - **Caicedo, A.L.** *, S.H. Williamson *, R.D. Hernandez, A. Boyko, A. Fledel-Alon, T.L. York, N. Polato, K.M. Olsen, R. Nielsen, S. McCouch, C.D. Bustamante, and M.D. Purugganan. 2007. Genome-wide patterns of nucleotide polymorphism in domesticated rice. *PLoS Genetics* 3: 1745-1756. * shared authorship
 - Olsen, K.M., **A.L. Caicedo**, and Y. Jia. 2007. Evolutionary genomics of weedy rice in the U.S.A. *Journal of Integrative Plant Biology* 49, 811-816.

- Korves, T.M., K.J. Schmid, **A.L. Caicedo**, C. Mays, J.R. Stinchcombe, M.D. Purugganan, and J. Schmitt. 2007. Fitness effects associated with the major flowering time gene *FRIGIDA* in *Arabidopsis thaliana* in the field. *American Naturalist* 169, E141-E157.
- Olsen, K.M., **A.L. Caicedo**, N. Polato, A. McClung, S. McCouch, M.D. Purugganan. 2006. Selection under domestication: Evidence for a sweep in the rice *Waxy* genomic region. *Genetics* 173: 975-983.
- Stinchcombe, J.R., **A.L. Caicedo**, R. Hopkins, C. Mays, M.D. Purugganan, and J. Schmitt. 2005. Vernalization sensitivity in *Arabidopsis thaliana*: the effects of latitude and *FLC* variation. *American Journal of Botany* 92: 1701-1707.
- **Caicedo, A.L.** and M.D. Purugganan. 2005. Comparative plant genomics: frontiers and prospects. *Plant Physiology* 138: 545-547.
- **Caicedo, A.L.** and B.A. Schaal, 2004. Heterogeneous evolutionary processes affect *R* gene diversity in natural populations of *Solanum pimpinellifolium*. *Proceedings of the National Academy of Sciences USA* 101: 17444-17449.
- **Caicedo, A.L.**, J.R. Stinchcombe, K.M. Olsen, J. Schmitt and M.D. Purugganan, 2004. Epistatic interaction between the *Arabidopsis FRI* and *FLC* flowering time genes generates a latitudinal cline in a life history trait. *Proceedings of the National Academy of Sciences USA* 101: 15670-15675.
- **Caicedo, A.L.** and B.A. Schaal, 2004. Population structure and phylogeography of *Solanum pimpinellifolium* inferred from a nuclear gene. *Molecular Ecology* 13: 1871-1882.
- Schaal, B.A., J.F. Gaskin, and **A.L. Caicedo**, 2003. Phylogeography, haplotype trees, and invasive plant species. *Journal of Heredity* 94: 197-204.
- Kover, P.X. and **A.L. Caicedo**, 2001. The genetic architecture of disease resistance in plants and the maintenance of recombination by parasites. *Molecular Ecology* 10: 1-16.
- **Caicedo, A.L.**, B.A. Schaal, and B.N. Kunkel, 1999. Diversity and molecular evolution of the *RPS2* resistance gene in *Arabidopsis thaliana*. *Proceedings of the National Academy of Sciences USA* 96: 302-306.
- **Caicedo, A.L.**, E. Gaitan, M.C. Duque, O. Toro, D.G. Debouck, J. Tohme, 1999. AFLP fingerprinting of *Phaseolus lunatus* L. and related wild species from South America. *Crop Science* 39: 1497-1507.

Book Chapters

- **Caicedo, A.L.** and I. Peralta. 2012. Basic information on the plant. In B. Liedl, J. Labate, J. Stommel, A. Slade, S. Hurst (ed.) *Tomato (Genomics of Fruit and Vegetable Crops series)*, Science Publishers, NH.
- Labate, J.A., S. Grandillo, T. Fulton, S. Muños, **A.L. Caicedo**, I. Peralta, Y. Ji, R.T. Chetelat, et al. (39 authors in total). 2007. Tomato. p. 1-125. In C. Kole (ed.) *Genome*

mapping and molecular breeding in plants: Volume 5 Vegetables. Springer Publishing Co., NY.

INVITED SEMINARS

Invited Departmental seminars

- Dept. of Biology, Clark University, Worcester, MA, October 2014.
- Dept. de Ciencias Biológicas, Universidad de los Andes, Bogotá, Colombia, February 2013.
- Department of Biology, Heinrich-Heine-Universität, Duesseldorf, Germany, July 2012.
- Department of Biological Sciences, University of Cincinnati, Cincinnati, OH, May 2012.
- Harvard University Herbaria, Harvard University, Cambridge, MA, November 2011.
- Department of Botany, Miami University, Oxford, OH, April 2011.
- Plant and Soil Science Department, University of Vermont, Burlington, VT, April 2011.
- Department of Plant, Soil, and Insect Sciences, University of Massachusetts, Amherst, MA, November 2010.
- Natural Science Department, Colby Sawyer College, New London, NH. March 2010.
- Department of Ecology and Evolution, Stony Brook University, Stony Brook, NY. November 2009.
- Microbial and Plant Genomics Institute, University of Minnesota, St. Paul, MN, November 2009.
- Genetics Graduate Program, University of New Hampshire, Durham, NH, February 2008.
- Laboratoire Ecologie, Systématique, Evolution, UMR ENGREF-CNRS 8079, Bât. 360, Université Paris-Sud, 91405 Orsay Cedex, France, June 2007.
- Biology Department, University of Massachusetts, Boston, MA, April 2007.
- Molecular Cell Biology Graduate Program, University of Massachusetts, Amherst, MA, November 2006.
- Plant Biology Graduate Program, University of Massachusetts, Amherst, MA, October 2006.
- Dale Bumpers National Rice Research Center, Stuttgart, AR, May 2006.
- Biology Department, University of Massachusetts, Amherst, MA, February 2006.
- Department of Ecology and Evolutionary Biology, University of California, Irvine, CA, January 2006.
- Department of Biology, University of Kentucky, Lexington, KY, December 2005.
- Department of Ecology and Evolutionary Biology, University of California, Los Angeles, CA, December 2005.
- Department of Integrative Biology, University of Texas, Austin, TX, November 2005.
- Boyce Thompson Institute for Plant Research, Ithaca, NY, October 2005.
- Biology Department, Amherst College, Amherst, MA, February 2005.
- Department of Biology, University of Massachusetts, Amherst, MA, December 2004.
- Museo de Historia Natural, Lima, Perú, January 2000.

Invited symposia

- **Caicedo, A.L.** Adaptation, convergence, and the evolution of weediness: the case of red rice. Comparative Genomics Workshop. International Plant and Animal Genome XXII Conference. Town & Country Convention Center, San Diego, CA, January 2014.
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- **Caicedo, A.L.** Convergence and the evolution of weediness: examining the origins of weedy rice. 11th Annual Ecological Genomics Symposium. Marriott Country Club Plaza, Kansas City, MO, November 1-3, 2103.
- **Caicedo, A.L.** Adaptation and convergence in agricultural weeds: examining the origins of weedy rice. Plant Genome Dynamics. Laboratoire Arago, Banyuls sur Mer, September 12-13, 2013.
- **Caicedo, A.L.** How to create an agricultural weed: convergent evolution and the origins of weedy rice populations. Speaking of Food: connecting basic and applied science symposium, Botany 2013. Riverside Hilton, New Orleans, LA, July 2013.
- **Caicedo, A.L.** Genetic diversity of the genus *Oryza* applied to studies of weedy rice adaptation. II Latin-American Symposium of Red Rice. Pontificia Universidade Católica do RS, Porto Alegre, RS, Brazil. June 2013.
- **Caicedo, A.L.** How to evolve a weed: examining convergent evolution in weedy red rice. Weedy and Invasive Plant Genomics Workshop. International Plant and Animal Genome XXI Conference. Town & Country Convention Center, San Diego, CA, January 2013.
- **Caicedo A.L.** How to evolve a weed: the evolutionary genomics of invasive weedy rice. XIV National Congress of Biochemistry and Plant Molecular Biology & 7th Symposium Mexico-USA. Centro de Convenciones Campeche XXI, Campeche, Mexico, November 29-December 2, 2011.
- **Caicedo, A.L.** The evolutionary genomics of invasive weedy rice. Gordon Research Conference – Ecological and Evolutionary Genomics. University of New England, Biddeford, ME, July 2011.
- **Caicedo A.L.** How to evolve a weed: the origins of weedy rice in the U.S. Minority Affairs - Plant Systems and Genomic Biology Minisymposium, Plant Biology 2010 – ASPB annual meeting. Palais des Congrès, Montréal, Canada, August 2010.
- **Caicedo, A.L.** The Origin Of Weediness In U.S. Red Rice. Weedy and Invasive Plant Genomics workshop, Plant and Animal Genome XVIII Conference. Town & Country Convention Center, San Diego, CA, January 2010.
- **Caicedo, A.L.** Crops and weeds: some evolutionary genomics applications (original title in Spanish). I Simposio Red Colombiana de Biología Evolutiva – COLEVOL. Universidad de los Andes, Bogotá, Colombia, November 2008.
- **Caicedo, A.L.** Genome-wide patterns of nucleotide polymorphism in domesticated rice. Genetics of Crop Domestication. The Banbury Center, Cold Spring Harbor Laboratory, New York, U.S.A., October 2007.
- **Caicedo, A.L.** Crops and weeds: insights from plant population genomics. Conférences Jacques Monod: Environmental genomics: from individual genomes to genomes of complex communities. Station Biologique, Roscoff, France, June 2007.

- **Caicedo, A.L.**, S. H. Williamson, R. Nielsen, S. McCouch, C. D. Bustamante, M. D. Purugganan. The patterns of nucleotide polymorphism in the domesticated rice genome. The 5th Okazaki Biology Conference: Speciation and Adaptation - Ecological Genomics of Model Organisms and Beyond. National Institute for Basic Biology, Okazaki and Yamaha Resort Tsumagoi, Kakegawa, Japan, March 2007.
- **Caicedo, A.L.** Genomic patterns of polymorphism in domesticated rice (*Oryza sativa*) and its wild ancestor (*O. rufipogon*). CNRS Course in Residence: High-throughput Molecular Biology Methods in the Environmental Sciences. Station Biologique de Roscoff, France, September 2005.
- Schaal, B.A. and **A.L. Caicedo**. Genetic variation in disease resistance: *Arabidopsis* and *Solanum*. Annual Symposium: Genes in Ecology, Ecology in Genes. Overland Park, KS, U.S.A., November 2003.
- **Caicedo, A.L.** and B.A. Schaal. Population genetics of the *Cf-2* disease resistance gene in wild populations of *Lycopersicon pimpinellifolium*. European Science Foundation Workshop: Adaptation of Plant Populations to Environmental Insult. University of Newcastle, Newcastle upon Tyne, United Kingdom, July 2001.

CONTRIBUTED PRESENTATIONS AND POSTERS

- S. Gordon, et al. (30 authors total). Genome Diversity in *Brachypodium distachyon*: Deep Sequencing of Highly Diverse Natural Accessions. **Poster**. International Plant and Animal Genome XXI Conference. Town & Country Convention Center, San Diego, CA, January 2013.
- **A.L. Caicedo**. The evolutionary genomics of U.S. weedy rice. **Oral Presentation**. Annual meeting of the Society of Molecular Biology and Evolution. Barcelona, Spain, June 2008.
- Olsen, K.M., **A.L. Caicedo**, and Y. Jia. Evolutionary genomics of invasive weedy rice. **Poster**. Plant and Animal Genome XV Conference. Town & Country Convention Center, San Diego, CA, January 2007.
- **Caicedo, A.L.** and M.D. Purugganan. The levels and patterns of polymorphism in the rice genome. **Oral presentation**. Annual meeting of the Society of Molecular Biology and Evolution. Tempe, AZ, June 2006.
- **Caicedo, A.L.**, S. Williamson, N. Polato, A. Fledel-Alon, S. McCouch, C. Bustamante, and M.D. Purugganan. Genomic patterns of polymorphism in *Oryza sativa* and *O. rufipogon*. **Poster**. 5th International Rice Genetics Symposium. Manila, Philippines, November 2005.
- **Caicedo, A.L.** and M.D. Purugganan. The population genomics of domesticated rice (*O. sativa*) and its wild ancestor. **Oral presentation**. Annual meeting of the Society for the Study of Evolution. University of Alaska, Fairbanks, AK, June 2005.

- **Caicedo, A.L.** and M.D. Purugganan. The molecular basis of a latitudinal cline in *Arabidopsis thaliana* flowering time. **Oral presentation.** Annual meeting of the Society for the Study of Evolution. Colorado State University. Fort Collins, CO, June 2004.
- Purugganan, M.D., S. McCouch, R. Nielsen, C. Bustamante, B. Gardner, **A.L. Caicedo**, and K.M. Olsen. Evolutionary genomics of rice. **Poster.** Plant and Animal Genome XII Conference. Town & Country Convention Center, San Diego, CA, January 2004.
- **Caicedo, A.L.** Molecular evolution and population genetics of the *Cf-2* locus in *Solanum pimpinellifolium*. **Poster.** Gordon Conference: Evolutionary & Ecological Functional Genomics Colby-Sawyer College, New London, NH, August 2003.
- **Caicedo, A.L.** Genética poblacional de un locus de resistencia en poblaciones naturales de *Solanum pimpinellifolium*. **Poster.** VIII Congreso Latinoamericano de Botánica. Cartagena, Colombia, October 2002.
- **Caicedo, A.L.** and B.A. Schaal. Population genetics of a disease resistance locus in *Lycopersicon pimpinellifolium*. **Oral presentation.** Annual meeting of the Society for the Study of Evolution. University of Illinois. Champaign-Urbana, IL, June 2002.
- **Caicedo, A.L.** and B.A. Schaal. Comparative population genetics of a neutral locus and a disease resistance gene in *Lycopersicon pimpinellifolium*. **Poster.** Annual meeting of the Society for the Study of Evolution. University of Tennessee, Knoxville, TN, June 2001.
- **Caicedo, A.L.**, M.C. Duque, E. Gaitán, O. Toro, D. Debouck, and J. Tohme. AFLP characterization of wild South American *Phaseolus* species. **Poster.** Annual meeting of the Society for the Study of Evolution. Washington University, St. Louis, MO, June 1996.