

Curriculum Vitae
Lawrence M. Kelly
New York Botanical Garden
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(updated March, 2018)

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EDUCATION

Ph.D., Systematic Botany, Cornell University, 1998

B.S., Ecology and Systematic Biology, California Polytechnic State University, San Luis Obispo, 1991

WORK EXPERIENCE

Associate Vice President of Science Administration, New York Botanical Garden, 2017–present.

Director of Graduate Studies, New York Botanical Garden, 2003–present.

Investigador Asociado ‘C’, Instituto de Biología, Universidad Nacional Autónoma de México, 1998–2003

Graduate Research Assistant, Cornell University, 1997.

A.W. Mellon Graduate Fellow, Cornell University, 1992–1997.

Visiting Researcher, Research Training Program, Smithsonian Institution, NMNH, Botany Department, June – September 1989; June – September 1990.

ADJUNCT APPOINTMENTS

Associate Professor (Adjunct), Yale University, 2008–present. (Assistant, 2005–2007)

Associate Professor (Adjunct), Fordham University, 2008–present.

Doctoral Faculty, Graduate Center of the City University of New York, 2003–present.

INSTITUTIONAL AND ADMINISTRATIVE SERVICE

Web content and design manager, NYBG Science, www.nybg.org/science, 2015–present.

Social media content manager, NYBG (Facebook, Instagram, Twitter), 2016–2017.

Plant Science Advisory Committee, CUNY Ph.D. Program in Biology, 2003–present.

HONORS AND AWARDS

Member, Sistema Nacional de Investigadores (SNI), Mexico, 2000–2003.

Programa de Primas al Desempeño y Productividad del Personal Académico de Tiempo Completo (PRIDE), U.N.A.M., nivel “B”, 1999–2003.

Programa de Apoyo a la Incorporación del Personal Académico de Tiempo Completo (PAIPA), U.N.A.M., nivel “B”, 1998.

Programa de Estímulos de Iniciación a la Investigación (PEII) de la Dirección General de Asuntos del Personal de la U.N.A.M., 1998.

Jesse M. Greenman Award. Presented by the Missouri Botanical Garden for the best paper in plant systematics based on a doctoral dissertation published in 1997.

Barbara F. McClintock Research Award, Cornell University. Presented to outstanding finishing graduate student in Plant Sciences, 1997.

George R. Cooley Award. Presented for the best paper given by a "young" scientist at the annual meeting of the American Society of Plant Taxonomists, 1996.
Graduating Honors, Summa Cum Laude, Cal Poly State University, 1991.
Outstanding Graduating Senior, Ecology and Systematic Biology, California Polytechnic State University, 1991.
Botanical Society of America Young Botanist Award, 1990.

GRANTS AND FUNDING

Graduate studies funding (CUNY students through NYBG Development office):

Annette Kade Charitable Endowment, Franco American Fellowship, full support for one fellowship. 2003–present. (Carlos Rodrigues, 2003–2017)
Oliver Hazard Perry Fellowship, full support for one fellowship. 2003–present. (Current Student: Jenna Dorey)
Milne Fellowship, full support for one fellowship. 2004–present. (Current Student: Robin Sleith)
Starr Foundation, Maurice Greenberg Scholarship, Endowment, 2013–present.

Research grants:

National Geographic Society: Botanical Exploration in southern Puebla and northern Oaxaca, Mexico (\$18,060). 2001–2002.
CONABIO, Project T040: Publication of Fascicles 27 (Verbenaceae) and 28 (Fagaceae) for the Flora of Tehuacán (\$50,088 Mexican pesos). 2000.
National Science Foundation Doctoral Dissertation Improvement Grant DEB-9411644: Systematic and Evolutionary Studies of *Asarum* and Aristolochiaceae (\$15,000). (Principal Investigator: Melissa Luckow). 1994–1996.

TEACHING

2017. (Spring semester). Yale University, School of Forestry and Environmental Studies, “Tropical Field Botany.” Graduate level course taught with Fabian Michelangeli.
2015. (Spring semester). Yale University, School of Forestry and Environmental Studies, “Tropical Field Botany.” Graduate level course taught with Fabian Michelangeli.
2013. (Fall Semester). City University of New York, “Vascular plant taxonomy,” lecture and lab. Graduate level course.
2013. (Spring semester). Yale University, School of Forestry and Environmental Studies, “Tropical Field Botany.” Graduate level course taught with Fabian Michelangeli.
2011. (Fall semester). City University of New York, “Vascular plant taxonomy,” lecture and lab. Graduate level course.
2011. (Spring semester.) Yale University, School of Forestry and Environmental Studies, “Tropical Field Botany.” Graduate level course taught with Fabian Michelangeli.
2010. (Spring semester.) Yale University, School of Forestry and Environmental Studies, “Tropical Field Botany.” Graduate level course taught with Fabian Michelangeli.
2009. (Fall semester). City University of New York, “Vascular plant taxonomy,” lecture and lab. Graduate level course taught with Fabian Michelangeli.
2009. Organization for Tropical Studies Course, “Sistemática de plantas tropicales” Invited professor.

2008. (Spring semester). Yale University, “Tropical Field Botany.” Graduate level course taught with Fabian Michelangeli.
2007. Organization for Tropical Studies Course, “Tropical Plant Systematics.” Invited professor.
2007. (Fall semester). City University of New York, “Vascular plant taxonomy,” lecture and lab. Graduate level course taught with Fabian Michelangeli.
2006. (Spring semester). Yale University, “Tropical Field Botany.” Graduate level course taught with Fabian Michelangeli.
2005. (Fall semester). City University of New York, “Fundamentals of phylogenetic analysis,” Ph.D. course offered through CUNY Graduate Center.
- 2005 (Fall semester). Yale University, “Biogeography, Biodiversity, and Conservation,” Graduate level course taught with Dennis Wm. Stevenson.
- 2005 (Spring semester). City University of New York, “Plant Systematics Journal Club,” Ph.D. course offered through CUNY Graduate Center.
- 2004 (Fall semester). Yale University, “Biogeography, Biodiversity, and Conservation,” Graduate level course taught with Dennis Wm. Stevenson.
2004. Organization for Tropical Studies Course, “Tropical Plant Systematics.” Invited professor.
2003. Organization for Tropical Studies Course, “Sistemática de plantas tropicales.” Invited professor.
- 1991 – 1997. Cornell University, Laboratory Instructor/Guest Lecturer/Teaching Assistant: Introductory Biology (for Biology majors), Tropical Plant Families, Advanced Phylogenetic Analysis, Vascular Plant Taxonomy, Evolutionary Biology (for Biology majors), Evolution (for non-majors).
- 1989 – 1990. Cal Poly, San Luis Obispo, Teaching Assistant/Laboratory Instructor: Field Botany, Plant Taxonomy.

PUBLISHED PAPERS

- Sinn, B. T., D. D. Sedmak, **L. M. Kelly** & J. V. Freudenstein. 2018. Total duplication of the small single copy region in the angiosperm plastome: Rearrangement and inverted repeat instability in *Asarum*. *American Journal of Botany* 105: 71-84.
- Mori, S. A, E. A. Kiernan, N. P. Smith, **L. M. Kelly**, Y.-Y. Huang, G. T. Prance & B. Thiers. 2017. Observations on the phytogeography of the Lecythidaceae clade (Brazil nut family). *Phytoneuron* 2017-30: 1–85.
- Kelly, L. M.** 2016. 125 years of Science and Conservation at The New York Botanical Garden: Introduction to the historical issue of *Brittonia*. *Brittonia* 68: 217–221.
- Kelly, L. M.** 2016. Training the next generation: Graduate studies at The New York Botanical Garden, with emphasis on 1996-2015. *Brittonia* 68: 356–362.
- Kelly, L. M.**, F. Almeda & P. W. Fritsch. 2016. A taxonomic revision of Mexican and Central American *Symplocos* (Symplocaceae). *Phytotaxa* 264(1): 1–115.
- Sinn, B. T., **L. M. Kelly** & J. V. Freudenstein. 2015. Putative floral brood-site mimicry, loss of autonomous selfing, and reduced vegetative growth are significantly correlated with increased diversification in *Asarum* (Aristolochiaceae). *Molecular Phylogenetics and Evolution* 89: 194–204.
- Sinn, B. T., **L. M. Kelly** & J. V. Freudenstein. 2015. Phylogenetic relationships in *Asarum*: Effect of data partitioning and a revised classification. *American Journal of Botany* 102: 765–779.
- Kelly, L. M.** 2015. Symplocaceae. In: Bernal, R., S.R. Gradstein & M. Celis. 2015. Catálogo de plantas y líquenes de Colombia. Instituto de Ciencias Naturales, Universidad Nacional de Colombia, Bogotá. catalogoplantascolumbia.unal.edu.co (published online 14 April 2015)

- Kelly, L. M.** 2015. Actinidiaceae. In: Bernal, R., S.R. Gradstein & M. Celis. 2015. Catálogo de plantas y líquenes de Colombia. Instituto de Ciencias Naturales, Universidad Nacional de Colombia, Bogotá. catalogoplantascolumbia.unal.edu.co (published online 14 April 2015)
- Mori, S. A., N. P. Smith, Y.-Y. Huang, G. T. Prance, **L. M. Kelly** & C. Carollo Matos. 2015. Toward a phylogenetic-based Generic Classification of Neotropical Lecythidaceae—II. Status of *Allantoma*, *Cariniana*, *Couratari*, *Couroupita*, *Grias*, and *Gustavia*. *Phytotaxa* 203(2): 122–137. DOI 10.11646/phytotaxa.203.2.2 (published online 23 March 2015).
- Huang, Y.-Y., S. A. Mori & **L. M. Kelly**. 2015. Toward a phylogenetic-based Generic Classification of Neotropical Lecythidaceae—I. Status of *Bertholletia*, *Corythophora*, *Eschweilera*, and *Lecythis*. *Phytotaxa* 203(2): 85–121. DOI 10.11646/phytotaxa.203.2.1 (published online 23 March 2015).
- Kriebel, R., F. A. Michelangeli & **L. M. Kelly**. 2014. Discovery of unusual anatomical and continuous characters in the evolutionary history of *Conostegia* (Miconieae: Melastomataceae). *Molecular Phylogenetics and Evolution* 82: 289–313. DOI 10.1016/j.ympev.2014.09.021 (published online 19 October 2014).
- Huang, Y.-Y., S. A. Mori & **L. M. Kelly**. 2011. A morphological cladistic analysis of Lecythidoideae with emphasis on *Bertholletia*, *Corythophora*, *Eschweilera*, and *Lecythis*. *Brittonia* 63: 396–417.
- Kelly, L. M.** 2011. Establishing dates of valid publication for Luigi Buscalioni's names in *Saurauia* (Actinidiaceae). *Taxon* 60: 1173–1188.
- Valencia Avalos, S., K. C. Nixon & **L. M. Kelly**. 2011. *Quercus delgadoana* (Fagaceae), a new species from the Sierra Madre Oriental, Mexico. *Novon* 21: 274–277.
- Kelly, L. M.** & F. Almeda. 2009. 199. Symplocaceae. Pp. 620–626. In: *Flora Mesoamericana*, Vol. 4 Part 1. Instituto de Biología, U.N.A.M., Missouri Botanical Garden, Natural History Museum (London).
- Fritsch, P. W., **L. M. Kelly**, Y. Wang, F. Almeda & R. Kriebel. 2008. Revised infrafamilial classification of Symplocaceae based on phylogenetic data from DNA sequences and morphology. *Taxon* 57: 1–31.
- Kelly, L. M.** & F. Almeda. 2006. *Symplocos pachycarpa* (Symplocaceae), a new species from southern Mexico. *Brittonia* 58: 318–321.
- Kelly, L. M.** & F. Almeda. 2005. Symplocaceae. In: *Flora of Chiapas*. California Academy of Sciences.
- Wang, Y., P. W. Fritsch, S. Shi, F. Almeda, B. C. Cruz & **L. M. Kelly**. 2004. Phylogeny and infrageneric classification of *Symplocos* (Symplocaceae) inferred from DNA sequence data. *American Journal of Botany* 91: 1901–1914.
- Campos V., A., **L. M. Kelly** & A. Delgado S. 2004. Bejucos y otras trepadoras de la estación de Biología Tropical "Los Tuxtlas". Universidad Nacional Autónoma de México. (Book: An illustrated guide to the vines of Los Tuxtlas Reserve, Veracruz)
- Hwang, S.-M., **L. M. Kelly** & M. Gilbert. 2003. Aristolochiaceae. *Flora of China* 5: 246–269. Sciences Press, Beijing, and Missouri Botanical Garden Press, St. Louis.
- Kelly, L. M.** & F. González. 2003. Phylogenetic relationships in Aristolochiaceae. *Systematic Botany* 28: 236–249.
- Kelly, L. M.** & F. Almeda. 2002. Three new species of *Symplocos* (Symplocaceae) from Panama and Costa Rica. *Novon* 12: 369–374.
- Kelly, L. M.** 2001. Ebenaceae. Fascículo 34. In: *Flora del Valle de Tehuacán-Cuicatlán*. Instituto de Biología, U.N.A.M.
- Kelly, L. M.** 2001. Erythroxylaceae. Fascículo 33. In: *Flora del Valle de Tehuacán-Cuicatlán*. Instituto de Biología, U.N.A.M.
- Kelly, L. M.** 2001. Taxonomy of *Asarum* section *Asarum* (Aristolochiaceae). *Systematic Botany* 26: 17–53.

- Kelly, L. M.** 2000. Annonaceae, Fascículo 31. En, “Flora del Valle de Tehuacán-Cuicatlán”. Instituto de Biología, U.N.A.M.
- Kelly, L. M.** 2000. Aristolochiaceae, Fascículo 29. En, “Flora del Valle de Tehuacán-Cuicatlán”. Instituto de Biología, U.N.A.M.
- Kelly, L. M.** 1998. Phylogenetic relationships in *Asarum* (Aristolochiaceae) based on morphology and ITS sequences. *American Journal of Botany* 85: 1454–1467.
- Kelly, L. M.** 1997. A cladistic analysis of *Asarum* (Aristolochiaceae) and implications for the evolution of herkogamy. *American Journal of Botany* 84: 1752–1765. [Jesse M. Greenman Award]
- Whiting, M. F. & **L. M. Kelly**. 1995. Synapomorphy, monophyly, and cladistic analysis: A reply to Wilkinson. *Acta Biotheoretica* 43: 249–257.

PUBLICATIONS IN PRESS

- Kelly, L. M. In press. Actinidiaceae. *In*: Flora Mesoamericana. Instituto de Biología, U.N.A.M., Missouri Botanical Garden, Natural History Museum (London).

EDITED VOLUME

- Kelly, L. M. (editor). 2016. Historical Issue: 125 years of Science and Conservation at The New York Botanical Garden. *Brittonia* 217–378.

ELECTRONIC PUBLICATIONS

- Kelly, L. M. & A. Delgado S. 2002 – present. Los árboles de la U.N.A.M.: Una guía electrónica. (www.arboles.org)

BLOG POSTS

- Kelly, L. M. 22 May 2017. Blog post: Saving the Plants of the World: Celebrating International Day for Biological Diversity, <https://www.nybg.org/blogs/science-talk/2017/05/saving-the-plants-of-the-world-celebrating-international-day-for-biological-diversity/>
- Kelly, L. M. 15 Jul 2016. Blog post: NYBG offers opportunities to Master’s students, <http://blogs.nybg.org/science-talk/2016/07/nybg-offers-opportunities-to-masters-students/>
- Kelly, L. M. 3 Nov 2015. Video interview for Science Talk Blog: From student to teacher: A conversation with a former NYBG graduate student, <http://blogs.nybg.org/science-talk/2015/11/from-student-to-teacher-a-conversation-with-a-former-nybg-graduate-student/>
- Kelly, L. M. 6 Aug 2014. Blog post: What is a fruit?, <http://blogs.nybg.org/science-talk/2014/08/what-is-a-fruit/>
- Kelly, L. M., B. A. Ambrose & D. W. Stevenson. 30 Jun 2014. Blog post: Why study plants?, <http://blogs.nybg.org/science-talk/2014/06/why-study-plants/>
- Kelly, L. M. 6 Feb 2014. Blog post: Of birds and bees: Pollination in *Symplocos*, <http://blogs.nybg.org/science-talk/2014/02/of-birds-bees-reproducing-symplocos/>

PUBLISHED ABSTRACTS

- Sinn, B. T., D. Sedmak, L. Kelly & J. Freudenstein. 2015. Structural and Syntenic Variability in Asaraceae Plastomes: A phylogenetic perspective. *Botany* 2015 (Abstract).
- Sinn, B. T., D. Sedmak, L. Kelly & J. Freudenstein. 2015. Not all magnoliid genomes are “fossils.” *Botany* 2015 (Abstract).

- Kelly, L. M. and C. Nicholson. 2009. Floral structure of *Symplocos* series *Symplocos*, with emphasis on anatomy and morphology of the style and stigma. Botany 2009 (Abstract).
- Kelly, L. M. & D. W. Stevenson. 2005. Floral morphological character coding and the use of trees. International Botanical Congress 2005: Abstracts.
- Kelly, L. M. 2004. Functional aspects of the floral morphology of Central American *Saurauia* (Actinidiaceae). Botany 2004: Abstracts.
- Kelly, L. M. & F. González. 2003. Are Aristolochiaceae monophyletic? Botany 2003: Abstracts.
- Kelly, L. M. 1997. Floral morphology, homology, and phylogenetic relationships in Aristolochiaceae. Amer. J. Bot. 84 suppl.: 207.
- Kelly, L. M. 1996. Phylogenetic relationships in *Asarum* based on ITS sequences and morphological data. Amer. J. Bot. 83 suppl.: 167.
- Kelly, L. M. 1995. Cladistic analysis of sequences from the internal transcribed spacers (ITS) of nuclear ribosomal DNA of *Asarum* (Aristolochiaceae). Amer. J. Bot. 82 suppl.: 139–140.
- Kelly, L. M. 1993. Phylogenetic relationships in *Asarum* (Aristolochiaceae). Amer. J. Bot. 80 suppl.: 156.
- Kelly, L. M. & D. J. Keil. 1991. Leaf structure and variation in *Pectis*. Amer. J. Bot. 78 suppl.: 195.

EDITORIAL ACTIVITIES

EDITORSHIPS:

- Editor-in-Chief, Flora Neotropica Monographs, 2016–present.
- Editor-in-Chief, Brittonia, 2004–2015.
- Associate Editor, Brittonia, 2003.
- Associate Editor, Flora del Valle de Tehuacán-Cuicatlán, 2003–2008.
- Editor and coordinator, Flora del Valle de Tehuacán-Cuicatlán, National Herbarium of Mexico, 1999–2003.

REVIEWER FOR JOURNALS (past two years):

- Brittonia
Molecular Phylogenetics and Evolution
Phytotaxa
Plant Systematics and Evolution
Revista Mexicana de la Biodiversidad
Systematic Botany
Taxon

FIELD EXPERIENCE

2015. Costa Rica (2 weeks)
2013. Costa Rica (2 weeks)
2011. Costa Rica (2 weeks)
2010. Costa Rica (2 weeks)
2009. Costa Rica (3 weeks)
2008. Costa Rica (3 weeks)
2006. Costa Rica (3 weeks)
2005. Costa Rica (3 weeks)
2004. Costa Rica (3 weeks)

2004. Argentina (3 weeks)
 2003. Costa Rica (3 weeks)
 1999–2003. Mexico (Puebla, Oaxaca, Veracruz, Hidalgo, Guerrero, Chiapas)
 2002. Colombia (2 weeks)
 1995. Sichuan and Yunnan, China (2 months)
 1994. California, Oregon, and Washington (2 months)
 1994. North Carolina and Virginia (2 weeks)
 1993. Texas and Louisiana (2 weeks)
 1993. Costa Rica (3 weeks)
 1988–1991. California

STUDENT ADVISING

NYBG, YALE, CUNY:

- Marlyse Duguid, Yale University, School of Forestry and Environmental Studies. Ph.D. thesis: Understory plant community response to anthropogenic disturbance in second growth hardwood forests of the eastern United States. (co-chair with Mark Ashton)
 Carlos Rodrigues, CUNY. Ph.D. thesis: Systematics of the Sciodaphyllum group of neotropical *Schefflera*. (advisory committee)
 Ricardo Kriebel, CUNY. Ph.D. thesis: Systematics of the *Conostegia* group, Ph.D., 2014. (advisory committee)
 Marcelo Reginato, CUNY. Ph.D. thesis: Systematics of *Leandra* sensu stricto (Melastomataceae, Miconieae), Ph.D., 2014. (advisory committee)
 Eric Morgan, CUNY. Ph.D. thesis: Invasion dynamics of an invasive tree within a Southwestern New England Forest, Ph.D., 2011. (advisory committee)
 Marc Jeanson, Muséum national d'Histoire naturelle, Paris. Ph.D. thesis: Systematics of the Caryoteae palms, Ph.D., 2011. (advisory committee)
 Alejandra Vasco, CUNY. Ph.D. thesis: Systematics of *Elaphoglossum* subsect. *Muscosa*, Ph.D., 2009. (advisory committee)
 Ya-Yi Huang, CUNY. Ph.D. thesis: Systematics of Lecythidoideae (Lecythidaceae) with emphasis on *Bertholletia*, *Corythophora*, *Eschweilera*, and *Lecythis*, Ph.D. 2010. (co-advisor with Scott Mori)
 Michael Sundue, CUNY. Ph.D. thesis: Systematics of *Terpsichore* and other Grammitid ferns, Ph.D., 2008 (advisory committee)
 Ya-Yi Huang, Lehman College. Master's thesis: Phylogenetics of *Cariniana* (Lecythidaceae), 2004. (advisory committee)

U.N.A.M.

- Leonardo Alvarado (Master's thesis: Taxonomía de la familia Apocynaceae en el Valle de Tehuacán-Cuicatlán), 2002
 Erika Melina Chalco Lira (Master's thesis: Taxonomía de la familia Boraginaceae en el Valle de Tehuacán-Cuicatlán), 2002
 Angélica Martínez Bernal (Master's thesis: Revisión del género *Mimosa* en los estados de Puebla y Tlaxcala, México), 2001
 Beatriz González (Master's thesis: Sistemática del género *Aristolochia* en el estado de Guerrero, México), 2001
 Ivonne Sanchez del Pino (Master's thesis: Sistemática de *Tidestromia* en México), 2001