

January 2024

Curriculum Vitae

Lynn Allison Bohs
Department of Biology
University of Utah
275 South 1400 East
Salt Lake City, UT 84112
(801) 585-0380 (office), (801) 585-0420 (lab)
fax (801) 581-4668
e-mail: bohs@biology.utah.edu

Research Interests

Systematics, phylogeny, and economic botany of plants, particularly Solanaceae

Education:

B.A. (Botany) University of New Hampshire, 1978, summa cum laude
M.S. (Biology) Harvard University, 1982
Ph.D. (Biology) Harvard University, 1986
Dissertation: The biology and taxonomy of *Cyphomandra* (Solanaceae)
Advisors: Drs. R. E. Schultes and R. Tryon

Professional Experience:

1977-1978	Herbarium Aide, University of New Hampshire
1978	Biological Aide/Botanist, Plant Germplasm Resources Laboratory, Beltsville Agricultural Research Center, Beltsville, MD
1979-1980	Research Assistant, University of New Hampshire (Rare plants of New England)
1981	Research Assistant, Farlow Herbarium, Harvard University
1981-1982	Program Director, New England Botanical Club, Cambridge, MA
1986-1989	Research Assistant Professor, University of Vermont, Department of Botany; Collections Manager, Pringle Herbarium
1990-1999	Board of Directors, Organization for Tropical Studies
1993-1996	Secretary, Organization for Tropical Studies
1996	Course Coordinator, Organization for Tropical Studies course, 96-9 "Tropical Plant Systematics"
1996-1998	Executive Committee, Organization for Tropical Studies
1997-2000	Las Cruces Advisory Committee, Organization for Tropical Studies
1989-1995	Research Assistant Professor, University of Utah, Department of Biology
1995-1997	Research Associate Professor, University of Utah, Department of Biology
1997-1999	Assistant Professor, Duke University, Department of Botany

January 2024

1999-2007	Associate Professor, University of Utah, Department of Biology (tenured in 2002)
2001-2004	Council, American Society of Plant Taxonomists
2002-2004	Honors and Awards Committee, American Society of Plant Taxonomists (Chair, 2003-2004)
2003-2005	Awards Committee, Botanical Society of America (Chair, 2004-2005)
2004-2015	Steering Committee, International Solanaceae Genome Initiative
2005-2006	Steering Committee, LINNE
2007-present	Professor, University of Utah, Department of Biology
2009-present	Adjunct Curator, Utah Museum of Natural History

Awards and Grants:

1977	Phi Beta Kappa
1981, 1984, 1985	Anderson-Atkins Garden Fund Grants, Harvard University
1982	Sheldon Fellowship, Harvard University
1982, 1985	Sigma Xi Grant-in-Aid of Research
1983	World Wildlife Fund Grant
1990	Faculty Research Grant, University of Utah
1991	Edmund H. Fulling Award, Society for Economic Botany (Best paper presented at the annual meeting)
1992-1995	NSF Research Grant, "Systematics and phylogeny of Solanaceae subfamily Solanoideae" (\$20,000)
1994	NSF supplement, Research Experience for Undergraduates (\$5000)
1995	Best Core Instructor, Biology Department, University of Utah
1995	Jesse M. Greenman Award for Flora Neotropica Monograph 63 (Best paper on plant systematics based on a doctoral dissertation published during the previous year)
1996	Fulbright Fellowship, American Republics Research Program (granted, but program cancelled)
1998-2002	NSF Research Grant, "Molecular phylogenetic studies in the genus <i>Solanum</i> " (\$124,994)
1998-2002	NSF supplements, Research Experience for Undergraduates (\$5000-\$6000 each)
1998-2001	National Geographic Society Scientific Research Grant, "Germplasm collection of the tree tomato and its wild relatives" (\$12,000)
2003	AAAS-NSF WISC grant, "The Solanaceae flora of Paraguay" (\$4000)
2003-2005	NSF Research Grant, "Phylogeny of the spiny Solanums (Solanaceae)" (\$300,000)
2004-2012	NSF Research Grant, "PBI: <i>Solanum</i> : a worldwide treatment"

January 2024

	(\$4,360,008)
2006	NSF Supplement to PBI to support the VI International Solanaceae Conference (\$20,000)
2009	University of Utah Distinguished Teaching Award
2014	University of Utah Seed Grant (\$33,000)
2015-2023	NSF Research Grant, “Collaborative Research: ARTS: Taxonomy and phylogeny of <i>Capsicum</i> and <i>Lycianthes</i> (Solanaceae)” (\$897,868 – total; \$649,822 – University of Utah portion)
2016	Ann Kelsey Student Botanical Project Fund, Natural History Museum of Utah to undergraduate researcher Christina Kilbane (\$500)
2017	NSF ROA Supplement to Research Grant (\$38,340)
2017	Ann Kelsey Student Botanical Project Fund, Natural History Museum of Utah to undergraduate researcher Katie Sanbonmatsu (\$500)
2019-2020	Fulbright U.S. Scholar Program for Colombia (\$26,000). Program cancelled due to COVID-19.

Professional Memberships:

American Association for the Advancement of Science
American Society of Plant Taxonomists
Association for Tropical Biology
Botanical Society of America
Grand Canyon Trust
International Association for Plant Taxonomy
The Nature Conservancy
Southern Utah Wilderness Alliance
Society for Economic Botany
Society of Systematic Biologists

Reviewer:

Journals: American Journal of Botany, American Journal of Potato Research, American Naturalist, Annals of the Missouri Botanical Garden, Biotropica, Brenesia, Brittonia, Bulletin of the British Museum of Natural History, Conservation Biology, Economic Botany, Evolution, Journal of Systematics and Evolution, Kew Bulletin, Madroño, Molecular Phylogenetics and Evolution, Nature Communications, Novon, PhytoKeys, Phytotaxa, Plant Systematics and Evolution, PLoS ONE, Qualitative Health Research, Systematic Botany, Systematic Botany Monographs, Taxon

Research grants: NSF (Systematics, Biotic Systems and Inventories, Research Collections, International Research Fellowship Program, and Plant Genome Research Program proposals), National Geographic Society Research and Exploration grants, FWF proposals (Austria), Louisiana Board of Regents

January 2024

Teaching Experience:

1975	Biology, Missouri Botanical Garden, St. Louis, MO.
1978	Systematic Botany, University of New Hampshire
1978-1979	Biology, University of Minnesota, Department of Ecology and Behavioral Biology
1981-1985	Evolutionary Biology, Plant Diversity, Economic Botany, Taxonomy of Vascular Plants, Harvard University
1986-1988	Plants and Human Affairs, Supermarket Botany, University of Vermont
1990-1997	Economic Botany, Plants and Society, Plant Diversity, Plant Biology, Field Botany, Speciation Core Seminar, Phylogenetics Core Seminar, University of Utah
1998	Plant Diversity, Duke University
1999-2024	Plant Systematics (Biology 5435) - 11x, Plants and Society (Biology 1330) - 3x, Evolution and Diversity of Life (Biology 2010) - 7x – co-taught with David Carrier, Franz Goller, or Donald Feener, Field Botany (Biology 2355) - 14x, Fundamentals of Biology II (Biology 1620) 2x – co-taught with Wayne Potts and Amanda Hoepfner, University of Utah
2013, 2015, 2017	Botany module for Natural History of the Colorado Plateau (Biology 5345) taught by Franz Goller
2018	Follow the Wildflowers (University of Utah Lifelong Learning)
2021	Faculty Research Seminar (Biology 2870) Guest lecturer

Field Experience:

1981	Colombia, Ecuador, Peru
1982-1983	Colombia, Ecuador, Peru, Bolivia, Argentina, Paraguay, Uruguay, Brazil
1985	Herbarium travel in England, France, Switzerland, Italy
1987	Panama
1990-1998	Costa Rica (yearly trips)
1994	Australia
1998	Bolivia
2000	Costa Rica, Argentina, Bolivia, Mexico
2001	Bolivia
2003	Ecuador, Paraguay
2005	Ecuador
2006	Costa Rica, Australia, New Zealand, New Caledonia, Ecuador
2007	Florida
2008, 2009	Brazil
2010	Brazil, Peru
2011	Brazil, Australia, Colombia, Costa Rica

January 2024

2012	Brazil, Mexico
2013	Brazil
2015, 2016	Colombia
2017, 2019	Colombia
2023	Colombia

Languages:

Spoken: Spanish, some Portuguese

Reading: Spanish, Portuguese, German, Botanical Latin

Book Reviews:

Bohs, L. 1992. Book review of *Islands, Plants, and Polynesians* by P. Cox and S. Banack. *Journal of Ethnobiology* 12(1): 81-82.

Bohs, L. 2006. Book review of *Intermountain Flora: Vascular plants of the Intermountain West, U.S.A. Volume 2, Part B. Subclass Dilleniidae* by N. and P. Holmgren and A. Cronquist. *Systematic Biology* 55: 536-538.

Book editor:

Spooner, D. M., L. Bohs, J. Giovannoni, R. G. Olmstead, and D. Shibata. 2007. *Solanaceae VI: Genomics Meets Biodiversity. Proceedings of the Sixth International Solanaceae conference. Acta Horticulturae* 745: 1-564.

Publications:

Bohs, L. 1988. Four new species of *Cyphomandra* (Solanaceae) from South America. *Systematic Botany* 13: 265-275.

Bohs, L. 1988. The Colombian species of *Cyphomandra*. *Revista de la Academia Colombiana de Ciencias Exactas, Físicas y Naturales* 16: 67-75.

Bohs, L. 1989. Ethnobotany of the genus *Cyphomandra* (Solanaceae). *Economic Botany* 43: 143-163.

Bohs, L. 1989. *Solanum allophyllum* (Miers) Standl. and the generic delimitation of *Cyphomandra* and *Solanum*. *Annals of the Missouri Botanical Garden* 76: 1129-1140.

Bohs, L. 1990. IOPB Chromosome Data 1. Chromosome number reports: *Cyphomandra* and *Solanum*. *IOPB Newsletter* 13: 17.

January 2024

- Bohs, L. 1990. The systematics of *Solanum* section *Allophyllum* (Solanaceae). *Annals of the Missouri Botanical Garden* 77: 398-409.
- Bohs, L. 1991. Crossing studies in *Cyphomandra* (Solanaceae) and their systematic and evolutionary significance. *American Journal of Botany* 78: 1683-1693.
- Bohs, L. 1993. *Cyphomandra* (Solanaceae). Page 1104 in L. Brako and J. L. Zarucchi, eds., *Catalogue of the flowering plants and gymnosperms of Peru*. Monographs in Systematic Botany from the Missouri Botanical Garden, Vol. 45.
- Bohs, L. 1994. *Cyphomandra* (Solanaceae). *Flora Neotropica Monograph* 63, New York Botanical Garden. 175 pages.
- Bohs, L. 1994. A new species of *Solanum* section *Cyphomandropsis* from Bolivia. *Novon* 4: 203-205.
- Bohs, L. 1995. Transfer of *Cyphomandra* (Solanaceae) and its species to *Solanum*. *Taxon* 44: 583-587.
- Bohs, L., and R. G. Olmstead. 1997. Phylogenetic relationships in *Solanum* (Solanaceae) based on *ndhF* sequences. *Systematic Botany* 22: 5-17.
- Bohs, L. and A. Nelson. 1997. *Solanum maternum* (Solanaceae), a new Bolivian relative of the tree tomato. *Novon* 7:341-345.
- Bohs, L., and R. G. Olmstead. 1999. *Solanum* phylogeny inferred from chloroplast DNA sequence data. Pages 97-110 in M. Nee, D. E. Symon, R. N. Lester, and J. P. Jessop (eds.), *Solanaceae IV: Advances in biology and utilization*. Royal Botanic Gardens, Kew, U.K.
- Olmstead, R. G., J. A. Sweere, R. E. Spangler, L. Bohs, & J. D. Palmer. 1999. Phylogeny and provisional classification of the Solanaceae based on chloroplast DNA. Pages 111-137 in M. Nee, D. E. Symon, R. N. Lester, and J. P. Jessop (eds.), *Solanaceae IV: Advances in biology and utilization*. Royal Botanic Gardens, Kew, U.K.
- Bohs, L. 2000. Insights into the *Witheringia solanacea* complex in Costa Rica. I. Breeding systems and crossing studies. *Biotropica* 32(1): 70-79.
- Bohs, L. 2000. Insights into the *Witheringia solanacea* complex in Costa Rica. II. Insect visitors and pollination biology. *Biotropica* 32(1): 80-89.
- Bohs, L. 2001. A revision of *Solanum* section *Cyphomandropsis* (Solanaceae). *Systematic Botany Monographs* 61: 1-83.

January 2024

- Bohs, L., and R. G. Olmstead. 2001. A reassessment of *Normania* and *Triguera* (Solanaceae). *Plant Systematics and Evolution* 228: 33-48.
- Cipollini, M. L., L. A. Bohs, K. Mink*, E. Paulk*, and K. Böhning-Gaese. 2002. Patterns of secondary compounds within fleshy fruits: ecology and phylogeny. Pages 111-128 in D. J. Levey, W. R. Silva, and M. Galetti (eds.), *Seed dispersal and frugivory: ecology, evolution and conservation*. CABI Publishing, Wallingford, Oxfordshire, UK.
- Moore, A.* and L. Bohs. 2003. An ITS phylogeny of *Balsamorhiza* and *Wyethia* (Asteraceae: Heliantheae). *American Journal of Botany* 90: 1653-1660. Plus cover photo.
- Igic B., L. Bohs, and J. R. Kohn. 2004. Historical inferences from the self-incompatibility locus. *New Phytologist* 161: 97-105.
- Bohs, L. 2004. A chloroplast DNA phylogeny of *Solanum* section *Lasiocarpa* (Solanaceae). *Systematic Botany* 29: 177-187.
- Knapp, S., Bohs, L., Nee, M., and D. M. Spooner. 2004. Solanaceae – a model for linking genomics with biodiversity. *Comparative and Functional Genomics* 5: 285-291.
- Levin, R. A., K. Watson*, and L. Bohs. 2005. A four gene study of evolutionary relationships in *Solanum* section *Acanthophora*. *American Journal of Botany* 92: 603-612.
- Bohs, L. 2005. Major clades in *Solanum* based on *ndhF* sequence data. Pages 27-49 in R. C. Keating, V. C. Hollowell, and T. B. Croat (eds.), *A festschrift for William G. D'Arcy: the legacy of a taxonomist*. Monographs in Systematic Botany from the Missouri Botanical Garden, Vol. 104. Missouri Botanical Garden Press, St. Louis, MO.
- Bohs, L. 2005. Solanaceae. Pages 528-540 in G. Staples and D. Herbst (eds.), *A Tropical Garden Flora*. Bishop Museum Press, Honolulu, Hawai'i.
- Levin, R. A., N. R. Myers*, and L. Bohs. 2006. Phylogenetic relationships among the “spiny solanums” (*Solanum* subgenus *Leptostemonum*, Solanaceae). *American Journal of Botany* 93: 157-169.
- Igic B., L. Bohs, and J. R. Kohn. 2006. Ancient polymorphism reveals unidirectional breeding system shifts. *Proceedings of the National Academy of Sciences* 103:1359-1363.
- Anderson, G. J., G. Bernardello, L. Bohs, T. Weese, and A. Santos-Guerra. 2006. Phylogeny and biogeography of the Canarian *Solanum vespertilio* and *S. lidii* (Solanaceae). *Anales del Jardín Botánico de Madrid* 63: 159-167.

January 2024

- Nee, M., L. Bohs, and S. Knapp. 2006. New species of *Solanum* and *Capsicum* (Solanaceae) from Bolivia, with clarification of nomenclature in some Bolivian *Solanum*. *Brittonia* 58: 322-356.
- Weese, T. L. and L. Bohs. 2007. A three gene phylogeny of the genus *Solanum* (Solanaceae). *Systematic Botany* 32: 445-463.
- Moore, A.* and L. Bohs. 2007. Phylogeny of *Balsamorhiza* and *Wyethia* (Asteraceae: Heliantheae) using ITS, ETS, and trnK sequence data. *Systematic Botany* 32: 682-691.
- Bohs, L., T. Weese, N. Myers*, V. Lefgren*, N. Thomas*, A. Van Wagenen*, and S. Stern. 2007. Zygomorphy and heterandry in *Solanum* in a phylogenetic context. *Acta Horticulturae* 745: 201-223.
- Olmstead, R. G. and L. Bohs. 2007. A summary of molecular systematic research in Solanaceae: 1982 – 2006. *Acta Horticulturae* 745: 255-268.
- Bohs, L. 2007. Phylogeny of the Cyphomandra clade of the genus *Solanum* (Solanaceae) based on ITS sequence data. *Taxon* 56: 1012-1026. Plus cover photo.
- Stehmann, J. R. and L. Bohs. 2007. Nuevas combinaciones em Solanaceae. In: Zuloaga, F.O., Morrone, O. & Belgrano, M.J. (eds.), *Novedades taxonómicas y nomenclaturales para la flora vascular del cono sur de Sudamérica*. *Darwiniana* 45: 236-241.
- Paape, T., B. Igic, S. Smith, R. Olmstead, L. Bohs, and J. Kohn. 2008. A 15-million-year-old genetic bottleneck. *Molecular Biology and Evolution* 25: 655-663.
- Olmstead, R. G., L. Bohs, H. A. Migid, E. Santiago-Valentin, V. F. Garcia, and S. M. Collier. 2008. A molecular phylogeny of the Solanaceae. *Taxon* 57: 1159-1181.
- Stern, S. R., E. J. Tepe, and L. A. Bohs. 2008. Checklist of *Solanum* of north-central Peru, a hotspot of biological diversity. *Arnaldoa* 15: 277-284.
- Stern, S. R., and L. Bohs. 2009. Two new species of *Solanum* from Ecuador and new combinations in *Solanum* section *Pachyphylla* (Solanaceae). *Journal of the Botanical Research Institute of Texas* 3(2): 503-510.
- Tepe, E. J., and L. Bohs. 2009. Three new species of *Solanum* section *Herpystichum* (Solanaceae) from Ecuador. *Journal of the Botanical Research Institute of Texas* 3: 511-519.
- Weese, T., and L. Bohs. 2010. Eggplant origins: out of Africa, into the Orient. *Taxon* 59: 49-56.

January 2024

- Tepe, E. J., and L. Bohs. 2010. A molecular phylogeny of *Solanum* sect. *Pteroidea* and the utility of COS markers to resolve closely related species. *Taxon* 59: 733-743.
- Stern, S. R., T. Weese, and L. Bohs. 2010. Phylogenetic relationships in *Solanum* section *Androceras*. *Systematic Botany* 35: 885-893.
- Farruggia, F. T., M. H. Nee, and L. Bohs. 2010. Two new Andean species of *Solanum* section *Crinitum* (Solanaceae). *Journal of the Botanical Research Institute of Texas* 4(2): 595-602.
- Stern, S. R., and L. Bohs. 2010. Two new species of *Solanum* (Solanaceae) from the Amotape-Huancabamba Zone of southern Ecuador and northern Peru. *PhytoKeys* 1: 53–65. doi: 10.3897/phytokeys.1.660
- Farruggia, F. T., and L. Bohs. 2010. Two new South American species of *Solanum* section *Crinitum* (Solanaceae). *PhytoKeys* 1: 67–77. doi: 10.3897/phytokeys.1.661.
- Bohs, L. 2011. A new species and combination in Central American Solanaceae. *Novon* 21: 23-27. doi: 10.3417/2009019
- Tepe, E. J., F. T. Farruggia, and L. Bohs. 2011. A 10-gene phylogeny of *Solanum* section *Herpystichum* (Solanaceae) and a comparison of phylogenetic methods. *American Journal of Botany* 98: 1356-1365.
- Stern, S., M. F. Agra, and L. Bohs. 2011. Molecular delimitation of clades within New World species of the “spiny solanums” (*Solanum* subg. *Leptostemonum*). *Taxon* 60: 1429-1441.
- Sanchez-Puerta, M. V., C. C. Abbona, S. Zhuo, E. Tepe, L. Bohs, R. Olmstead, and J. D. Palmer. 2011. Multiple recent horizontal transfers of the *cox1* intron in the Solanaceae and extended co-conversion of flanking regions. *BMC Evolutionary Biology* 11: 277. doi:10.1186/1471-2148-11-277
- Tepe, E. J., and L. Bohs. 2011. A revision of *Solanum* section *Herpystichum*. *Systematic Botany* 36: 1068-1087.
- Geeta, R., L. M. Dávalos, A. Levy, L. Bohs, M. Lavin, K. Mummenhoff, N. Sinha, and M. F. Wojciechowski. 2012. Keeping it simple: flowering plants tend to retain, and revert to, simple leaves. *New Phytologist* 193: 481-493.
- Tepe, E. J., G. Ridley, and L. Bohs. 2012. A new species of *Solanum* named for Jeanne Baret, an overlooked contributor to the history of botany. *Phytokeys* 8: 37-47.

January 2024

- Stern, S., and L. Bohs. 2012. An explosive innovation: phylogenetic relationships of *Solanum* section *Gonatotrichum* (Solanaceae). *Phytokeys* 8: 83-98.
- Stern, S., L. Bohs, L. Giacomini, J. Stehmann, and S. Knapp. 2013. A revision of *Solanum* section *Gonatotrichum*. *Systematic Botany* 38: 471-496.
- Giacomini, L. L., L. Bohs, and J. Stehmann. 2013. Two new species from the *Brevantherum* clade of *Solanum* (Solanaceae) from eastern Brazil. *Journal of the Botanical Research Institute of Texas* 7: 95-107.
- Vorontsova, M., S. Stern, L. Bohs, and S. Knapp. 2013. African spiny *Solanum* (subgenus *Leptostemonum*, Solanaceae): a thorny phylogenetic tangle. *Botanical Journal of the Linnean Society* 173: 176-193. doi: 10.1111/boj.12053
- Särkinen, T., L. Bohs, R. G. Olmstead, and S. Knapp. 2013. A phylogenetic framework for evolutionary study of the nightshades (Solanaceae): a dated 1000-tip tree. *BMC Evolutionary Biology* 13: 214. doi:10.1186/1471-2148-13-214
- Wahlert, G., F. Chiarini, and L. Bohs. 2014. Phylogeny of the Carolinense clade of *Solanum* (Solanaceae) inferred from nuclear and plastid DNA sequences. *Systematic Botany* 39: 1208-1216.
- Stern, S. R., L. Bohs., and J. Keeling. 2014. New species and combinations in *Solanum* section *Androceras* (Solanaceae). *Journal of the Botanical Research Institute of Texas* 8: 1-7.
- Bohs, L. 2015. Solanaceae. Pages 205-336 in B. E. Hammel, N. Zamora, and M. H. Grayum (eds.), *Manual de Plantas de Costa Rica*. Vol. VIII. Missouri Botanical Garden Press, St. Louis, MO and Inst. Nac. de Biodiversidad, Santo Domingo de Heredia, Costa Rica. Keys and descriptions for 25 genera and 174 species in Costa Rica.
- Wahlert, G. A., F. E. Chiarini, and L. Bohs. 2015. A revision of *Solanum* section *Lathyrocarpum* (the Carolinense clade, Solanaceae). *Systematic Botany* 40: 853-887.
- Carrizo Garcia, C., G. Wahlert, C. I. Orozco, G. E. Barboza, and L. Bohs. 2015. Phylogeny of the Andean genus *Deprea* (Physalideae, Solanaceae): testing the generic circumscription. *Phytotaxa* 238: 71-81.
- Clark, J. L., M. Nee, L. Bohs, and S. Knapp. 2015. A revision of *Solanum* section *Aculeigerum* (the *Solanum wendlandii* group, Solanaceae). *Systematic Botany* 40: 1102-1136.
- Stern, S., and L. Bohs. 2016. An eight marker phylogeny of *Solanum* sect. *Micracantha* (Solanaceae). *Systematic Botany* 41: 120-127.

January 2024

- Tepe, E. J., G. J. Anderson, D. M. Spooner, and L. Bohs. 2016. Relationships among wild relatives of the tomato, potato, and pepino. *Taxon* 65: 262-276.
- Dupin, J., N. J. Matzke, T. Särkinen, S. Knapp, R. G. Olmstead, L. Bohs, and S. Smith. 2016. Bayesian estimation of global biogeographic history of Solanaceae. *Journal of Biogeography*. <http://wileyonlinelibrary.com/journal/jbi> 26 Nov. 2016, DOI: 10.1111/jbi.12898
- Orejuela, A., G. A. Wahlert, C. I. Orozco, G. Barboza, and L. Bohs. 2017. Phylogeny of the tribes Juanulloeae and Solandreae (Solanaceae). *Taxon* 66: 379-392. <https://doi.org/10.12705/662.6>
- Spalink, D., K. Stoffel, A. Hulse-Kemp, T. Hill, G. Walden, A. Van Deynze, and L. Bohs. 2018. Comparative transcriptomics and genomic patterns of discordance in Capsiceae (Solanaceae). *Molecular Phylogenetics and Evolution* 126: 293-302. <https://doi.org/10.1016/j.ympev.2018.04.030>
- Spalink, D., J. Pender, M. Escudero, A. L. Hipp, E. H. Roalson, J. Starr, M. J. Waterway, and L. Bohs. 2018. The spatial structure of phylogenetic and functional diversity in the United States and Canada; an example using the sedge family (Cyperaceae). *Journal of Systematics and Evolution* 9999: 1-17. doi: 10.1111/jse.12423
- Knapp, S., G. E. Barboza, L. Bohs, and T. Särkinen. 2018. (2639) Proposal to reject the name *Solanum frutescens* (Solanaceae). *Taxon* 67: 820–821.
- Knapp, S., G. E. Barboza, L. Bohs, and T. Särkinen. 2019. A revision of the Morelloid Clade of *Solanum* L. (Solanaceae) in North and Central America and the Caribbean. *PhytoKeys* 123: 1-144. doi: 10.3897/phytokeys.123.31738
- Colin K. Khoury, D. Carver, D. W. Barchenger, G. E. Barboza, M. van Zonneveld, R. Jarret, L. Bohs, M. Kantar, M. Uchanski, K. Mercer, G. P. Nabhan, P. W. Bosland, and S. L. Greene. 2020. Modelled distributions and conservation status of the wild relatives of chile peppers (*Capsicum* L.). *Diversity* 26: 209-225.
- Barboza, G., C. Carrizo García, M. Scaldaferrro, and L. Bohs. 2020. An amazing new *Capsicum* (Solanaceae) species from the Andean-Amazonian Piedmont. *PhytoKeys* 167: 13-29. doi: 10.3897/phytokeys.167.57751
- Tovar, J. D., T. André, G. A. Wahlert, L. Bohs, and L. L. Giacomini. 2021. Phylogenetics and historical biogeography of *Solanum* section *Brevantherum*. *Molecular Phylogenetics and Evolution* 162: 107195. <https://doi.org/10.1016/j.ympev.2021.107195>

January 2024

Gagnon, E., and 15 co-authors, including L. Bohs. 2022. Phylogenomic discordance suggests polytomies along the backbone of the large genus *Solanum*. *American Journal of Botany* 109: 580-601.

Chiarini, F. E., R. Deanna, and L. Bohs. 2022. Phylogeny, character evolution and biogeography of the genus *Sclerophylax* (Solanaceae). *Taxon* 71(6): 1251-1267.
<https://doi.org/10.1002/tax.12796>

Bohs, L. 2023. *Solanum*. For Flora of North America Editorial Committee, eds. 1993+. Flora of North America North of Mexico. 20+ vols. New York and Oxford. Vol. 14: 428-457. Keys and descriptions for 52 species of *Solanum* from North America.

Hilgenhof, R. and 12 co-authors, including L. Bohs. 2023. Morphological trait evolution in *Solanum* (Solanaceae): evolutionary lability of key taxonomic characters. *Taxon* 72: 811-847. <https://doi.org/10.1002/tax.12990>

Stone, J. L., J. Flores, and L. Bohs. In press. Phylogenetic relationships of *Brachistus* and *Witheringia* (Solanaceae). *Systematic Botany*.

*Denotes undergraduate co-authors

In preparation:

Stern, S. and L. Bohs. A revision of *Solanum* section *Micracantha* (Solanaceae). *PhytoKeys*.

Dean, E. and L. Bohs. Phylogenetic relationships in *Lycianthes* and *Capsicum* (Solanaceae). Journal not yet decided.

Giacomin, L. L., L. Bohs, J. A. N. Batista, and J. R. Stehmann. The *Solanum inornatum* species group (Brevantherum clade, Solanaceae): phylogeny and taxonomy of a Brazilian endemic lineage. *PhytoKeys*.

Website:

Major contributor to the Solanaceae Source website, a comprehensive resource for information about the Solanaceae and the genus *Solanum* (<http://solanaceaesource.org/>)

Our latest project posted on the website (2020) includes illustrated electronic access keys to the major groups in *Solanum* constructed by the Solanum Key Consortium (multiple authors including L. Bohs) in Xper³
(<http://www.xper3.com/xper3GeneratedFiles/publish/identification/36464820...>)

Poster presentations:

January 2024

- Bennett, J. R., L. Bohs, J. L. Clark, S. Knapp, M. Nee, D. M. Spooner, and L. Walley. 2005. PBI *Solanum*: an international collaboration to monograph *Solanum*. XVII International Botanical Congress, Vienna, Austria, July 2005, and NSF-DFG (Deutsche Forschungsgemeinschaft) Biodiversity Conference, Washington, DC, November 2005.
- Bohs, L., T. Weese, N. Myers*, V. Lefgren*, N. Thomas*, and S. Stern. 2006. Zygomorphy and heterandry in *Solanum* in a phylogenetic context. VI International Solanaceae Conference, Madison, WI. July 2006.
- Guzmán, F. A., E. A. Dean, and L. Bohs. 2009. Hot and not so hot: phylogenetic relationships in *Capsicum* and *Lycianthes*. BSA/ASPT annual meeting, Snowbird, UT. July 2009.
- Leo, K.*, S. Stern, T. Sarkinen, S. Knapp, F. T. Farruggia, and L. Bohs. 2011. The evolution of the bittersweet nightshades (Solanaceae): insights from molecular sequence data. University of Utah Undergraduate Research Symposium. April 2011.
- Goeckeritz, C.*, C. Kilbane*, K. Sanbonmatsu*, E. Morrill**, and L. Bohs. 2016. Resolving relationships within the Cyphomandra clade (*Solanum*, Solanaceae). Botany 2016 meeting, Savannah, GA. August 2016.
- Bohs, L., E. Dean, G. Barboza, A. Van Deynze, S. Knapp, K. Stoffel, A. Hulse-Kemp, G. Walden, and D. Spalink. 2016. Getting to the roots of pungency: the taxonomy and phylogeny of *Lycianthes* and *Capsicum* (Capsiceae, Solanaceae). Solgenomics meeting, UC Davis, September 2016.
- Spalink, D., L. Bohs, K. Stoffel, and A. Van Deynze. 2017. Spiciness in the age of discordance: genomic patterns of incongruence among peppers (*Capsicum*) and relatives. Species in the Age of Discordance, Department of Philosophy Annual Conference, University of Utah, March 2017.
- Spalink, D., L. Bohs, K. Stoffel, and A. Van Deynze. 2017. Spiciness in the age of discordance: genome-scale patterns of incongruence in the phylogeny of peppers and relatives (Capsicum/Lycianthes, Solanaceae). XIX International Botanical Congress, Shenzhen, China, July 2017.
- Sanbonmatsu, K.*, M. Mukai*, D. Spalink, and L. Bohs. 2018. Capsi-conundrum: resolving relationships within Capsiceae (Solanaceae). University of Utah Undergraduate Research Symposium, April 2018.

*Denotes undergraduate co-authors.

**Denotes high school student co-authors.

January 2024

Non-refereed Publications:

- Bohs, L. 1984. The wild gardens of Sibundoy. World Wildlife Fund Monthly Report, February 1984, pp. 33-36.
- Bohs, L. 1984. Conservation and ethnobotany in Colombia. Threatened Plants Newsletter #13, August 1984, p. 5.
- Bohs, L. 1985. Conservation in action: Natural treasures saved. World Wildlife Fund News, May/June 1985.
- Bohs, L. 1986. *Cyphomandra* collections from Colombia. Solanaceae Quarterly 2(2): 2-4.
- Bohs, L. 1993. *Cyphomandra* pollination by male euglossine bees. Solanaceae Newsletter 3(3): 8-14.
- Bohs, L. 1993. *Cyphomandra* pollination by male euglossine bees. American Journal of Botany 80(6): 133. (Abstract).
- Page, L. M., H. L. Bart, Jr., R. Beaman, L. Bohs, L. T. Deck, V. A. Funk, D. Lipscomb, M. A. Mares, L. A. Prather, J. Stevenson, Q. D. Wheeler, J. B. Woolley, and D. W. Stevenson. 2005. LINNE: Legacy Infrastructure Network for Natural Environments. Illinois Natural History Survey, Champaign, IL.

Contributed papers:

- | | |
|------|--|
| 1985 | A.I.B.S. meeting, Gainesville, Florida. |
| 1986 | New England Botany Graduate Student meeting, Storrs, CT. |
| 1986 | A.I.B.S. meeting, Amherst, MA. |
| 1987 | A.I.B.S. meeting, Columbus, OH. |
| 1988 | A.I.B.S. meeting, Davis, CA. |
| 1991 | Society for Economic Botany annual meeting, Claremont, CA. |
| 1991 | A.I.B.S. meeting, San Antonio, TX. |
| 1993 | A.I.B.S. meeting, Ames, IA. |
| 1994 | A.I.B.S., meeting, Knoxville, TN. |
| 1994 | Fourth International Solanaceae Conference, Adelaide, Australia. |
| 1998 | A.I.B.S. meeting, Baltimore, MD. |
| 2000 | A.S.P.T. meeting, Portland, OR. |
| 2001 | A.S.P.T. meeting, Albuquerque, NM. |
| 2004 | A.S.P.T. meeting, Snowbird, UT. |
| 2007 | A.S.P.T. meeting, Chicago, IL. |
| 2009 | A.S.P.T. meeting, Snowbird, UT. |

Invited Lectures and Conferences:

January 2024

- 1984 Andean Crops Seminar, Washington, DC.
- 1986 University of Vermont, Burlington, VT.
- 1988 New York Botanical Garden, Bronx, NY.
- 1988 Southeast Missouri State University, Cape Girardeau, MO.
- 1989 Baylor University, Waco, TX.
- 1989 Johnson State College, Johnson, VT.
- 1989 Slippery Rock University, Slippery Rock, PA.
- 1989 University of Utah, Salt Lake City, UT.
- 1990 Brigham Young University, Provo, UT.
- 1992 Utah State University, Logan, UT.
- 1993 Michigan State University, East Lansing, MI.
- 1993 University of Colorado, Boulder, CO.
- 1993 Rancho Santa Ana Botanic Garden, Claremont, CA.
- 1995 Field Museum of Natural History, Chicago, IL.
- 1995 Miami University, Oxford, OH.
- 1995 University of Georgia, Athens, GA.
- 1995 Duke University, Durham, NC.
- 1997 Brigham Young University, Provo, UT.
- 1998 Museo de Historia Natural Noel Kempff Mercado, Santa Cruz, Bolivia (in Spanish).
- 1998 Herbario Nacional de Bolivia, La Paz, Bolivia (in Spanish).
- 1998 Appalachian State University, Boone, NC.
- 1998 Tryon lecture, University of South Florida, Tampa, FL.
- 1998 University of North Carolina-Greensboro, NC.
- 1999 Plant & Animal Genome VII, San Diego, CA.
- 2000 Universidad Nacional de Córdoba, Córdoba, Argentina (in Spanish).
- 2000 University of Washington, Seattle, WA.
- 2000 International Solanaceae Conference, Nijmegen, The Netherlands (keynote speaker).
- 2000 Agrofísica 2000, Universidad Agraria de la Habana, Havana, Cuba (in Spanish).
- 2001 University of California, Davis, CA.
- 2001 Utah State University, Logan, UT.
- 2001 Brazilian Botanical Congress, João Pessoa, Paraíba, Brazil (declined).
- 2001 Cornell University, Ithaca, NY.
- 2002 Botanical Society of America Symposium "Ethnobotany of the Solanaceae", Madison, WI.
- 2003 Plant and Animal Genome XI, Solanaceae Workshop, San Diego, CA.
- 2003 Centro Internacional de la Papa, Quito, Ecuador (in Spanish).
- 2003 Instituto Nacional de Investigaciones Agropecuarias (INIAP), Quito, Ecuador (in Spanish).
- 2003 Explorer's Club, Manhattan, NY.
- 2003 Universidad Nacional de Asunción, Asunción, Paraguay (in Spanish).

January 2024

2005	Plant and Animal Genome XIII, San Diego, CA.
2005	Western Connecticut State University, Danbury, CT.
2005	University of Connecticut, Storrs, CT.
2005	Bonnie C. Templeton Lecture, Oregon State Univ., Corvallis, OR.
2005	International Botanical Congress, Vienna, Austria.
2005	NSF-DFG (Deutsche Forschungsgemeinschaft) Biodiversity Conference, Washington, DC.
2006	NSF-sponsored PBI/AToL meeting, Durham, NC.
2006	VI International Solanaceae Conference, Madison, WI.
2006	Utah Valley State College, Orem, UT.
2007	Michigan State University, East Lansing, MI.
2007	NSF-sponsored PBI meeting, Gainesville, FL.
2007	Southeastern Louisiana State University, Hammond, LA.
2008	Department of Systematic Botany, Uppsala University, Uppsala, Sweden.
2008	59 th Brazilian Botanical Congress, Natal, Rio Grande do Norte, Brazil (in Spanish).
2009	Guest lecture in Osher Lifelong Learning Institute, University of Utah (course title: Following in Darwin's Footsteps: Evolutionary Biology in the 20 th century)
2011	Department of Botany, Universidade Federal de Minas Gerais, Belo Horizonte, Brazil
2011	International Botanical Congress, Melbourne, Australia
2011	VI Colombian Botanical Congress, Cali, Colombia (in Spanish)
2013	Brazilian Botanical Congress, Belo Horizonte, Minas Gerais, Brazil
2016	Universidad Nacional de Colombia, Bogotá, Colombia (in Spanish)
2016	Universidad de la Amazonia, Florencia, Colombia (in Spanish)
2016	Department of Biology, University of Utah.
2017	Jornadas Binacionales de Botánica (Argentina & Chile), Mendoza, Argentina (in Spanish)
2019	Colombian Botanical Congress, Florencia, Colombia (in Spanish)
2020, 2021	Solanaceae online seminars
2021	Tanner lecture, Brigham Young University
2022	School of Biological Sciences, University of Utah

Other:

2000	Alumnus of The Bee Course, Southwestern Research Station, Portal, AZ
1995, 2000	NSF Panel, Doctoral Dissertation Improvement Grants
2001	NSF Panel, Systematic Biology
2003	NSF Tomato Genome Sequencing meeting, Washington, DC
2005	LINNE Steering Committee, New York
2006-7	Editor for VI Solanaceae Conference volume
2008	Thesis Opponent for Catarina Ekenas, University of Uppsala, Sweden.
2008	NSF Panel, Biotic Systems and Inventories

January 2024

2009	NSF Workshop on Future Directions in Biodiversity and Systematics Research, California State University, Long Beach, CA
2011, 2012	Science Fair judge, Reid Elementary School, Salt Lake City, UT
2015	
2015	Science Movie Night, City Library, Salt Lake City, UT
2015	NSF Panel, Systematic Biology panel
2016	Johnson Lakes BioBlitz, Kane Co., UT
2016	Deer Creek BioBlitz, San Juan Co., UT
2017	Basin and Range seminar instructor (UT Audubon Society), Ogden, UT
2018	Basin and Range seminar instructor (UT Audubon Society), Mantua, UT
2020	Plant Blindness workshop, Miami, FL (Part of an NSF Research Coordination Network in Undergraduate Biology Education)
2021	Basin and Range seminar instructor (UT Audubon Society), City of Rocks, ID
2022	Basin and Range seminar instructor (UT Audubon Society), Midway, UT

Students:

Thesis committee member for the following graduate students: John Barone (UT), Sylvia Torti (UT), Loreen Allphin Woolstenhulme (UT), Therese Meyer (UT), Kevin Rapp (UT), Mark Beilstein (UT), Maggie Whitson (Duke), Alejandra Jaramillo (Duke), Mac Alford (Duke), Paul Fine (UT), Leandro Giacomini (Universidade Federal de Minas Gerais, Belo Horizonte, Brazil). Emily DiBlasi (UT), Autumn Amici (UT), Andrés Orejuela (Universidad Nacional de Colombia, Bogotá, Colombia), Federico Collazo (UT)

Supervised independent research projects for the following undergraduates: Chad LeBlanc, Cory Christensen, Matthew Linton, Mitchell Moffitt, Brian Keegan, Lori MacDonald, Laurel Anderton, Bret Carlson, Claire Agre (Duke), Jami Ballantine, David Skeeahan, Elena Kuhn (Hughes high school student - Duke), Daina Graybosch, Abigail Moore, Sara Horton (high school student), Kim Klatt Watson, Riley Smith, Nicole Downs Myers, Dyson Moss, Simona Rosu (REU student from Univ. of Wisconsin-Madison), Victoria Lefgren, Katherine Sebastian, Nicole Thomas, Andrew Van Wagenen, Kipp Lee, Andrew Crowl, Karena Leo, Rebecca Koll, Jared Howland, Cameron McIntire, Rudigar Matthes, Shannon Fallon, Parami Swenson, Charity Goeckeritz, Christina Kilbane, Katie Sanbonmatsu, Elisabeth Morrill (high school student from the Academy for Math, Engineering, and Science, Salt Lake City, UT), Maya Mukai.

Graduate student advisor: Kremena Gineva (M.S.), Stephen Stern (Ph.D.-2011; currently an Assistant Professor at Colorado Mesa University, Grand Junction, CO), Felix Guzmán (Ph.D.).

January 2024

Post-docs: Susanne King-Jones, Rachel Levin, Terri Weese, Jonathan Bennett, John Clark, Eric Tepe, Frank Farruggia, Gregory Wahlert, Genevieve Walden, Daniel Spalink.

Visiting scholars: Juan Carlos Granados Tochoy (Colombia), Alejandra Gutierrez (Argentina), Carolina Carrizo (Argentina), Andres Orejuela (Colombia), Leandro Giacomini (Brazil), Rafael Costa (Brazil; April-August 2017), Marco Cueva (Peru; 2017-2018), Judy Stone (Colby College; Oct. –Nov. 2017), Franco Chiarini (Argentina; 2018-2019).

Department Service:

1999-2019	Chair, Greenhouse committee
1999-2008	Organization for Tropical Studies Representative
2000	Chair, D. Dearing third year review
2002-2004	Biology Undergraduate Research Program Steering Committee
2003	Committee member, L. Sieburth promotion and tenure review
2003-2004	Executive Committee alternate
2003-2005	Red Butte Canyon Committee
2006	Committee member, D. Bowling fourth year review
2008-2012, 2018	Auxiliary Faculty Review Committee
2008-2010	Executive Committee
2011	Committee member, M. Shapiro sixth year review
2009-2013	Development Committee
2013	Committee member, R. Clark promotion and tenure review
2014	Committee member, S. Bush fifth year review
2014-2016	Executive Committee
2017	Committee member, S. Bush tenure review
2021-2022	Development Committee
2022	Committee member, S. Bush promotion to Professor
2020-2023	Graduate Admissions Committee Co-Chair
2022-2023	Website committee
2023	Tenured Faculty Review committee for R. Clark
2023	RPT Subcommittee Chair, T. Karasov 4 th year review
2023-2024	Development and Alumni Relations committee

University Service:

2001-2005	Crocker Science House committee
2002-2003	College of Science Council
2008-present	Rio Mesa Advisory Committee
2010-2012	Social and Behavioral Sciences Area Committee
2014	Search Committee, Natural History Museum of Utah Herbarium Collections Manager
2014	Search Committee, Dean of the College of Science
2015, 2016	Botanical Workshops at the Rio Mesa Center
2017-2019	Undergraduate Council

January 2024	
2017-present	Campus Gardens Steering Committee
2019	Internal Review Committee, Environmental and Sustainability Studies Program
2021	Internal Review Committee, Physical Therapy and Athletic Training Department, University of Utah
2021-present	Fulbright selection committee for the University of Utah
2022-present	College of Science Field Safety Committee
<u>National Service:</u>	
1990-1999	Board of Directors, Organization for Tropical Studies
1993-1996	Secretary, Organization for Tropical Studies
1996-1998	Executive Committee, Organization for Tropical Studies
1997-2000	Las Cruces Advisory Committee, Organization for Tropical Studies
2001-2004	Council Member-at-Large, American Society of Plant Taxonomists
2002-2004	Honors and Awards Committee, American Society of Plant Taxonomists (Chair 2003-2004)
2003-2005	Honors and Awards Committee, Botanical Society of America (Chair 2004-2005)
2004	ASPT Local Representative for annual meeting at Snowbird, UT
2004-2014	Editorial Board, Systematic Botany Monographs
2004-2010	Steering Committee, International Solanaceae Genome Initiative
2005-2006	Steering Committee, LINNE initiative
2006	Steering & Editorial Committees, VI International Solanaceae Conference
2008	ASPT Local Representative for annual meeting at Snowbird, UT
2008-2012	Associate Editor, Systematic Botany
2012	Professional Accomplishment Evaluation Committee for Smithsonian scientists, Washington, DC
2014	External review committee member, Boise State University Ph.D. program
2016-2017	Nominations Committee, American Society of Plant Taxonomists
2022-2023	Awards evaluator, Fulbright Scholar Program USA