BLANCA LEÓN CURRICULUM VITAE

PERSONAL INFORMATION
E-mail: leon@austin.utexas.edu

Professional Address
Current Address (U.S.A.): Plant Resources Center
University of Texas at Austin
110 Inner Campus Dr. Stop F0404
Austin, TX 78712-0471

HIGHER EDUCATION

1999—2000 Research Botanist, Post-Doctor, University of Maryland College Park (with James Reveal). At U.S. Department of Agriculture, Agriculture Research Service, Systematic Botany and Mycology Laboratory.

1993 Ph.D. Degree in Science, Faculty of Science, Aarhus University, Denmark. Benjamin Øllgaard, Advisor.

1983 Professional Degree in Biology with Mention in Botany, Programa Académico de Biología, Universidad Nacional Mayor de San Marcos, Peru.

1982 Bachelor's Degree in the Biological Sciences, Programa Académico de Biología, Universidad Nacional Mayor de San Marcos, Peru. Enma Cerrate, Advisor**.**

LANGUAGES Native speaker of Spanish. Fluent in English. Reading and speaking ability in Portuguese.

EXPERIENCE IN HIGHER EDUCATION (last 10 years)

2008-present Plant Systematics: Pteridophytes for graduate students in the Tropical Botany program of the Biological Sciences Faculty, Universidad Nacional mayor de San Marcos, Lima, Peru.

2005, 2006 Taught Botanical Nomenclature for practitioner botanists, at Herbarium San Marcos, Lima, Peru.

2006 As Lecturer in the Geography and the Environment Department, College of Liberal Arts, University of Texas at Austin, taught Biogeography (GRG366K) for Geography majors.

2002--2003 As Lecturer in the School of Biological Sciences, University of Texas at Austin taught Bio213 Introduction to Ecology and Evolution for Biology Majors (Fall 2002), and Bio301M, Ecology, Evolution and Society for non-Biology majors (Spring 2003).

OTRAS EXPERIENCIAS PROFESIONALES (last 10 years)

2012-present Plant Taxonomist Specialist. Missouri Botanical Garden-Plant Science Institute, National Germplasm Resources Laboratory, Agriculture Research Service, US Department of Agriculture

2011-present Editor asociado “Revista peruana de Biología”, Facultad de Ciencias Biologicas,

Universidad Nacional Mayor de San Marcos, Lima, Perú

2009—22 September 2012. Botanist-Contractor. Plant Science Institute, National Germplasm Resources Laboratory, Agriculture Research Service, US Department of Agriculture

2008-June 2009 Research Botanist, Post-Doctoral, Plant Science Institute, National Germplasm Resources Laboratory, Agriculture Research Service, US Department of Agriculture

2006 Editor asociado "*Ecologia en Bolivia*", published by Instituto de Ecología, Universidad Nacional Mayor de San Andrés, La Paz, Bolivia.

2003—2006 Director, Libro Rojo de las Plantas Endémicas del Perú. Contract to Environmental Conservation Program, The Field Museum, Chicago, IL.

2001-present Research affiliate, Plant Resources Center, University of Texas at Austin.

2000-present Research Fellow, Department of Geography, University of Texas at Austin.

2000 Visiting Scholar, Plant Resources Center, University of Texas at Austin.

PROFESSIONAL SOCIETY MEMBERSHIPS

American Fern Society (since 1986), American Society of Plant Taxonomists (since 1986), Botanical Society of America (since 1989), British Pteridological Society (since 1989), International Association for Plant Taxonomists (since 1990), International Pteridological Society (since 1990), International Biogeography Society (since 2011).

FOREIGN WORK AND TRAVEL

Bolivia 2mo.; Cuba 1 wk; Denmark 25 mo.; Ecuador 6 mo.; England 2 mo.; Germany 1 wk; Guatemala 6wks; China 10 days, Norway 1 wk; Sweden 1 wk; USA 18 yrs

AWARDS AND GRANTS (last 10 years)

2009—2010 (2011) 2-yr grant to B. León & K.R. Young. "Evaluación del estado poblacional del huacui y de las comunidades vegetales que integra: Bases para una estrategia de conservación en la vertiente occidental peruana". Grants Maria Koepcke, Grant Award 70. Conservation International Peru-APECO.

2007 Award for scientific achievement in Peru. Presented by the Peruvian National Council of the Environment.

2005--2006 1-yr grant to A. Sagástegui, B. León, I. Sánchez V., E. Rodriguez & M. Zapata. "Evaluación de especies amenazadas de la jalca peruana, con énfasis en *Laccopetalum giganteum*". Grants Maria Koepcke, Conservation International Peru-APECO.

2000--2001 2-yr grant to K. R. Young, A. Cano & B. León, for "Plant diversity and endemism in Peru's central highlands". National Geographical Society Research and Exploration grant.

RECOGNITIONS

2009-present. Honorary professor, Universidad Nacional Mayor de San Marcos, Lima, Peru

2007—Nov 2010 Research Associate at the National Museum of Natural History, Smithsonian Institution.

2006 Honorary Member, Sociedad Peruana de Botánica, Peru.

2000 -present Research Fellow, Department of Geography and the Environment, University of Texas at Austin.

1991--2015 Research associate, Department of Botany, Field Museum, Chicago.

1988-present Member of the Commission of the Organization for Flora Neotropica.

1988-present Research associate, Museo de Historia Natural, Lima.

REVIEWS OF MANUSCRIPTS

For: American Fern Journal, Anales del Real Jardin Botánico de Madrid, Botanical Journal of Linnean Society, Brittonia, Bulletin of the Natural History Museum, Caldasia, Candollea, Ecologia en Bolivia (Associate editor), Fern Gazette, Fieldiana Zoology, Flora Neotropica, Forest and Management, Geographical Review, Global Ecology and Biogeography, Journal of the Botanical Research Institute of Texas, Lankesteria, Lundellia, Novon, Oryx, Physis (Argentina), Phytotaxa, Revista peruana de Biología (Associate editor), Selbyana, Sida, Systematic Botany.

TECHNICAL REPORTS

2000 **B. León** & J. Morales-Can. The Aquatic macrophyte communities of Laguna del Tigre National Park, Petén, Guatemala (Las comunidades acuáticas de macrofitas del Parque Nacional Laguna del Tigre, Petén, Guatemala). In B. T. Bestelmeyer & L. E. Alonso (eds.) A Biological assessment of Laguna del Tigre National Park, Petén, Guatemala. RAP Bulletin of Biological Assessment 16: 35—40.

BOOKS, THESES & MONOGRAPHS (last 10 years)

2013 J. H. Wiersema & **B. León**. World Economic Plants. A standard reference. 2nd. Revised Edition CRC Press and Francis &Taylor Group. [ISBN 978-1-43-982142-8]

2012 **B. León**, E. Huamán, J. Roque, M. I. La Torre & A. Cano. Los Helechos Ornamentales en el Perú. Dirección General de Forestal y Fauna, Ministerio de Agricultura & Museo de Historia Natural, Lima, Peru. 170 pp. [ISBN 978-612-00-1064-8]

2007 **B. León**, J. Roque, C. Ulloa Ulloa, P. M. Jørgensen, N. Pitman & A. Cano (Eds.). Libro Rojo de las Plantas endémicas del Perú. Revista peruana de Biología, Edición Especial 13(2): 971 pp. [Diciembre 2006]

PEER-REVIEWED ARTICLES & BOOK CHAPTERS (last 12 years)

2013 H. Vincent, J. Wiersema, S. Kell, H. Fiedler, S. Dobbie, N.P. Castaneda-Alvarez, L. Guarino, R. Eastwood, **B. León** & N. Maxted. A prioritized crop wild relative inventory to help underpin global food security. Biological Conservation 167: 265—275.

2013 **B. León** & M. Kessler. Campyloneurum poloense. Phytotaxa 119: 59—60. (http://dx.doi.org/10.11646/phytotaxa.119.1.7)

2013 **B. León**, C. Rothfels, M. Arakaki, K.R. Young & K. Pryer. Revealing a cryptic fern distribution through DNA sequencing: *Pityrogramma trifoliata* in the western Andes of Peru. American Fern Journal 103(Submitted Nov 2012. Accepted Feb 2013):40—48.

2013 **B. León.** La cola de caballo (*Equisetum*, Equisetaceae) comercializada y exportada del Perú. Revista peruana de biología 19(3):341—34 2 [2012]

2012 H. Trinidad, A. Cano & **B. León**. *Thalictrum peruvianum* (Ranunculaceae), una especie nueva de Lima, Perú. Revista peruana de biología 18(3):271—264 [2011]

2011 **B. León**, K.R. Young, J. Roque & A. Cano. Nuevos registros de plantas de la zona alta del Parque Nacional Río Abiseo, Perú. Arnaldoa 17(1):51—83. [2010]

2011 Peter M. Jørgensen, C. Ulloa Ulloa, **B. León**, S. León-Yánez, S.G. Beck, M. Nee, J. L. Zarucchi, M. Celis, R. Bernal & R. Gradstein. Regional patterns of vascular plant diversity. Pp. 192—203. IN: S.K. Herzog et al. (eds.) Climate Change and Biodiversity in the Tropical Andes. IAI-SCOPE, São Paulo, Brazil.

2011 M. Kessler, J.-A. Grytnes, S.R.P. Halloy, J. Kluge, T. Kromer, **B. León**, M.J. Macía & K.R. Young. Gradients of plant diversity: local patterns and processes. Pp. 204—219. IN: S.K. Herzog et al. (eds.) Climate Change and Biodiversity in the Tropical Andes. IAI-SCOPE, São Paulo, Brazil.

2010 (online 1727-9933) **B. León** & K.R. Young. A fortuitous ant-fern association in the Amazon lowlands of Peru. Submitted 9 Nov 2009. Accepted April 2010. Revista peruana de Biología 17:245—247.

2010 B. Gould, **B. León**, A.M. Buffen & L.G. Thompson. Evidence of a high-Andean, mid-Holocene plant community: an ancient DNA analysis of glacially preserved remains. American Journal of Botany 97:1579—1584.

2009 E. Rodríguez R., S. Arroyo, D.A. Neill, R. Vásquez, R Rojas, **B. León**, J. Campos & M. Mora. Notas sobre el conocimiento de la flora en la Cordillera del Cóndor y áreas adyacentes en el Perú. Arnaldoa 16: 109—121.

2009 F. Mellado, J. Albán & **B. León**. Cuatro nuevos registros de especies del género *Elaphoglossum* (Dryopteridaceae) para el Perú. Revista peruana de Biología 15(2): 93—95. [2008]

2009 K. R. Young & **B. León**. Natural hazards in Peru: causation and vulnerability. In E. Latrubusse (ed.) Natural Hazards and Human-Exacerbated Disasters In Latin-America. Elsevier

2008 **B. León** & A. Sagástegui. General overview of *Tillandsia* subgenus *Tillandsia* in Peru: The three pinnate species and the case of two endemic species. Revista peruana de Biología 15(1): 25—30.

2007 L.F. Mellado & **B. León.** Nuevos registros y observaciones de algunas especies de *Elaphoglossum* (Elaphoglossaceae) del Perú. Revista peruana de Biología 14(1): 21—23.

2007 K.R. Young, **B. León,** P.M. Jørgensen & C. Ulloa Ulloa. Tropical and Subtropical landscapes of the

Andes. Pp. 200—216. In T.T. Veblen, K.R. Young & A.R. Orme (Eds.) The Physical Geography of South America. Oxford University Press.

2007 K. R. Young & **B. León**. Tree-Line Changes along the Andes: Implications of Spatial Patterns and Dynamics. For Biodiversity Hotspots through Time: Using the Past to Manage the Future, Philosophical Transactions of the Royal Society B: Biological Sciences 362(1478): 263—272.

2007 E.F. Rodríguez, M. Weigend, **B. León**, E. Alvitez I., J. Pera D. & S. Arroyo A. *Laccopetalum giganteum* (Ranunculaceae) una especie endémica En Peligro del norte del Perú que necesita planes de conservación urgente (*Laccopetalum giganteum* (Ranunculaceae) an Endangered endemic species from northern Peru in urgent need of conservation plans) Arnaldoa 14(1): 123—130.

2006 L. Thompson, E. Moseley-Thompson, H. Brecher, M. Davis, **B. León**, D. Les, P. Lin, T. Maschiotta & K. Mountain. Abrupt tropical Climate Change: Past and Present. Proceedings of the National Academy of Sciences 103(28): 10536—10543.

2006 E.F. Rodríguez, R. Vásquez M., R. Rojas G. , G. Calatayud H., **B. León** & J. Campos. Nuevas adiciones de Angiospermas a la Flora del Perú. Revista peruana de Biología 13(1): 129—138.

2006 H. Navarrete, **B. León**, J. Gonzales, F, Mellado, J. Albán & B. Øllgaard. 2007. Helechos con importancia económica en Ecuador, Perú y Bolivia. Pp. 385—411. In: M. Moraes R., B. Øllgaard, L.P. Kvist, F. Borchsenius & H. Balslev (eds.) Botánica Económica de los Andes Centrales. Herbario Nacional de Bolivia, Instituto de Ecología, Universidad Mayor de San Andrés, Editorial Plural Editores. La Paz.

2005 **B. León**, H. Beltrán & P. Fine. Sobre el género *Schizaea* (Schizaeaceae) en el Perú (On the genus *Schizaea* in Peru) Revista peruana de Biología 12(1): 97—102.

2005 J. Fjeldsaa, M.D. Alvarez, J.M. Lascano & **B. León**. Illicit crops and armed conflict as constraints on biodiversity conservation in the Andes region. Ambio 34(3): 205—211.

2005 M.B. Bush, B.C.S. Hansen, D. Rodbell, G.O. Seltzer, K.R. Young, **B. León**, M. Abbott, M.M.R. Silman & W.D. Gosling. A 17000-year history of Andean climatic and vegetation change from Laguna de Chochos, Peru. Journal of Quaternary Science 20: 1—12.

2005 T. T. Veblen, J. J. Armesto, B. R. Burns, T. Kitzberger, A. Lara, **B. León** & K. R. Young. The Coniferous forests of South America. In F. Andersson & S. Gessel (eds.) Coniferous Forests. Elsevier Press.

2005 A.R. Smith, **B. León**, H. Tuomisto, H. van der Werff, R.C. Moran, M. Lehnert & M. Kessler. New records of pteridophytes for the flora of Peru. Sida 21(4): 2321—2342.

2004[2005] **B. León**. A new species of *Campyloneurum* (Polypodiaceae) from northern Peru. Revista peruana de Biología 11(2): 135—137.

2004 C. Ulloa Ulloa, J. Zarucchi & **B. León**. Diez años de adiciones a la flora del Perú: 1993--2003. Arnaldoa Número Especial: 7—242

2003 B.C.S. Hansen, D.T. Rodbell, G.O. Seltzer, **B. León**, K.R. Young & M. Abbott. Late-glacial and

Holocene vegetational history from two sites in the western Cordillera of southwestern Ecuador. Palaeogeography, Palaeoclimate, Palaeoecology 194: 79—108.

2003 **B. León** & A.R. Smith. New species and new combinations of Grammitidaceae from Peru. American Fern Journal 93(2): 81—89.

2003 [2004] **B. León**, T. Durt, S.D. Grant, S. Knapp & D. Zappi. Contacto con el pasado: El legado botánico de Richard Spruce. Arnaldoa 10(2): 109—118.

2002 [2003] **B. León**, A. Cano & K.R. Young. Los helechos de las lomas costeras del Perú. Arnaldoa 9(2): 7—42.

2002 **B. León** & H. Beltrán. A new *Microgramma* subgenus *Solanopteris* (Polypodiaceae) from Peru and a new combination in the subgenus. Novon 12: 481—485.

2002 **B. León**. Significance of August Weberbauer's plant collecting for today's Rio Abiseo National Park, northern Peru. Taxon 51: 167—170.

2001 K. R. Young & **B. León**. Perú (Los Bosques Montanos de los Andes peruanos). Pp. 549—580. In: M. Kapelle & A. Brown (eds.) Bosques Nublados del Neotrópico. Instituto Nacional de Biodiversidad (INBIO). San Domingo de Heredia, Costa Rica.

2001 **B. León**. *Mutisia mandoniana* (Asteraceae), un nuevo registro para el Perú. Arnaldoa 8: 37—38.

BOTANICAL PAPERS ON NOMENCLATURE

2008 **B. León**, B. Millán, A. Cano & J. Albán. No rules violated, but…,--A response and comments from the Herbario San Marcos (USM) to Rijckevorsel's proposal to suppress Selbyana vol. 23 Supplement. Taxon 57(2): 664—665.

2008 J. L. Luteyn, E.M. Ortiz & **B. León**. Notes on and lectotypification of Augusto Weberbauer's collections of Peruvian Ericaceae. Revista peruana de Biología 15(1): 127—134 .

2006 **B. León**, A. Granda, J. Roque G. & G. Vilcapoma. A review of Peruvian *Phoradendron* (Viscaceae) species names published by Paczoski and typified by material collected by Augusto Weberbauer. Taxon 55(2): 513—514.

BOOK REVIEWS (last 10 years)

2010 **B. León**. Book review of L.D. Gómez & A. Arbelaez 2009. Flora de Nicaragua, Tomo IV: Helechos. Systematic Botany 35(1): 221ª.

2006 **B. León**. Book review of B.E. Van Wyk, 2005. Food Plants of the World. An illustrated guide. Plant Science Bulletin 52(4): 141—142.

2004 **B. León**. Book review of C. Reynel, T.D. Pennington, R.T. Pennington, C. Flores & A. Daza, 2003. Árboles Útiles de la Amazonía Peruana. Un manual con apuntes de identificación, ecología y propagación de las especies. Revista Peruana de Biología 11(1): 113—114. Versión Online ISSN 1727-9933.

2002 **B. León**. Book review of G. L. Webster & R. M. Rhode. Plant diversity of an Andean cloud forest: checklist of the vascular flora of Maquipucuna, Ecuador. Plant Science Bulletin 48: 35.

POPULAR ARTICLES and NON-PEER REVIEWED PUBLICATIONS

2002 **B. León**. Los helechos y los ambientes xéricos. Quepo 16: 84--87.

2001 **B. León**. Los cactus de Weberbauer. Quepo 15: 58--63.

1998 K. R. Young & **B. León**. Recuperación y descubrimiento en el Perú: la reacción de la naturaleza. Américas (Organization of American States, Washington D.C.) February: 32--34.

ONLINE RESOURCES (peer-reviewed)

Contributor for GRIN Taxonomy for Plants – World Economic Plants: A standard reference
http://www.ars-grin.gov/cgi-bin/npgs/html/taxecon.pl