

## CAMPBELL O. WEBB

*contact* Arnold Arboretum of Harvard University, 22 Divinity Ave, Cambridge, MA 02138  
Mailing address: Kotak Pos 223, Bogor 16002, Indonesia  
ph: +62-813-991-77663; e: cwebb@oeb.harvard.edu; w: [phylodiversity.net/cwebb/](http://phylodiversity.net/cwebb/)

*appointments* **2005–2008**(–2012) Senior Research Scientist, Arnold Arboretum of Harvard University.  
**2002–2005** Associate Research Scientist, Dept. Ecol. and Evol. Biology, Yale University (visiting scholar at UC Davis, hosted by Michael Sanderson).  
**2000–2002** Donnelley Research Fellowship of the Yale Institute of Biospheric Studies. Sponsored by Michael J. Donoghue and P. Mark S. Ashton.  
**1997–2000** Mercer Postdoctoral Fellowship of Arnold Arboretum, Harvard University.

*postgraduate* **1991–1997** PhD., Dartmouth College, NH. Program in Ecology and Evolutionary Biology. Dissertation: *Seedling Ecology and Tree Diversity in a Bornean Rain Forest*. Advisor: David R. Peart. External advisor: Stephen P. Hubbell.

*undergraduate* **1986–1989** BA. (Hons), Oxford University, UK. Pure and Applied Biology.

*grants* **2005** NSF Grant (distance- and phylogeny-based pathogen transmission in forest communities) PI: G. Gilbert, co-PIs Webb, K. Garrett.  
**2004** NSF Grant (Funds for special issue of *Ecology: Phylogenetic Approaches to Community Ecology*; DEB-0408432) PI: Webb, co-PI: J. Losos.  
**2002** NSF Grant (Phylogentic structure of woody-plant communities; DEB-0212873) PI: Webb, co-PIs: D. Ackerly, M. Donoghue.  
**1998** National Geographic Society Research and Exploration Grant.

*awards & fellowships* **2008** International Recognition of Professional Excellence, International Ecology Institute, Oldendorf/Luhe, Germany.  
**2008** William Skinner Cooper Award of the Ecological Society of America *for* Webb, C. O., D. D. Ackerly, M. McPeck, & M. J. Donoghue. 2002. Phylogenies and community ecology. *Annual Review of Ecology & Systematics* 33: 475–505.  
**2008** President's Award of the American Society of Naturalists *for* Kraft, N. J. B., W. K. Cornwell, C. O. Webb, & D. D. Ackerly. 2007. Trait evolution, community assembly, and the phylogenetic structure of ecological communities. *American Naturalist* 170: 271–283.  
**2008** Scholar-in-residence invitation, Center for Population Biology, Imperial College, UK.  
**2000** Donnelley Fellowship, Yale Institute of Biospheric Studies.  
**1997** Mercer Fellowship, Arnold Arboretum of Harvard University.

**1992** National Science Foundation Graduate Fellowship.

**1990** Kew Gardens/Royal Geographical Society Studentship.

*invited talks* **2008** ESJ (Fukuoka, Japan), CPB, Imperial College (Silwood Park). **2007** ATBC (Morelia, Mexico), Harvard University, University of Toronto. **2006** Colorado U. **2005** NESCent (Duke U.), UC Davis, UC Berkeley, UC Santa Cruz, SF Sierra Club. **2004** Mexican Botanical Congress (Oaxaca), ESA (Portland), International Assoc. for Vegetation Science - plenary (Hawaii), 1a. Reunion de Biologia Filogenetica - plenary (Xalapa, Mexico), Texas Tech. U., Rainforest Action Network (San Francisco), Center for Intl. Forestry Research (Indonesia). **2003** U. Missouri St. Louis, UNAM (Mexico), Protected Areas Symposium, Sabah, Malaysia. **2002** CNRS, French Guyana, U. Vermont, Wesleyan U., Wake Forest U., Field Museum. **2001** Harvard Center for International Development, U. Connecticut, Yale U., Bogor Herbarium, UCSB, Ecological Society of America (ESA) symposium. **2000** Stanford U. **1999** Harvard U. Herbaria, Harvard Forest.

*papers given* **2008** ATBC-AP meeting (Kuching). **2007** Flora Malesiana (Leiden). **2003** International Biogeography Society (Nevada), Association for Tropical Biology (Aberdeen), Evolution (Chico). **2002** ESA (Tucson). **2000** ESA (Utah).

*teaching* **2007–2008** ‘Biodiversity of Borneo,’ Harvard University Summer School & Arnold Arboretum field course (5 weeks; primary organizer and lecturer).  
**2006** CTFS-AA Field Course, Sri Lanka.  
**2003–2005** Training Course in Applied Phylogenetics, Bodega Bay (UC Davis).  
**2004–2005** Guest lectures in u/g and graduate courses: Yale U., Texas Tech. U., UC Berkeley, UC Davis.  
**1994–1996** Teaching Assistant, Dartmouth College. Plant Ecology (2 times).  
**1994–1995** Foreign Studies Program in Tropical Biology, Costa Rica/Jamaica (2 mo. in field, 2 times).

*service* **2008–10** Councillor, Association for Tropical Biology and Conservation  
Reviewer for *American Naturalist*, *Biodiversity & Conservation*, *Biotropica*, *Diversity & Distributions*, *Ecological Applications*, *Ecological Economics*, *Ecology*, *Ecology Letters*, *Functional Ecology*, *J. Ecology*, *J. Tropical Ecology*, *J. Tropical Forest Science*, *NSF*, *Nature*, *Oikos*, *Plant Ecology*, *Proceedings of the Royal Society*, *Science*.

*organizer* **2010** Association for Tropical Biology and Conservation, Annual meeting, Bali, Indonesia.  
**2005** Editor, special issue, “Community Ecology and Phylogenetics” for *Ecology*.  
**2004** Ecological Society of America meeting: symposium on phylogenetic approaches to community ecology (with J. Losos).  
**2003** Association for Tropical Biology and Conservation meeting: memorial symposium for Tim Whitmore (with P. Grubb).  
**2002** National Center for Ecological Analysis and Synthesis working group: Phylogenies and Community Ecology (with M. Donoghue).

*software developed* *Phylocom*: analysis of community phylogenetic structure (with D. Ackerly and S. Kembel): [phylodiversity.net/phylocom/](http://phylodiversity.net/phylocom/). *Phylomatic*: automatic assembly of plant community phylogenies: [phylodiversity.net/phylomatic/](http://phylodiversity.net/phylomatic/).

*consulting* **2004-2005** Vegetation mapping, West Papua and PNG (TNC).  
**2004** Review of High Cons. Value Forest management guidelines (Smartwood).  
**2004** Vegetation and habitat mapping, Samkos/Aural PA, Cambodia (FFI).  
**2003** Plant biodiversity surveys in Cardamom Mountains, Cambodia (WildAid).  
**2000-2003** Plant surveys and vegetation mapping, Maliau Basin, Sabah (NEPcon).  
**2000, 2004** Forest certification ecological advisor, Indonesia (Smartwood).  
**1999** Protected area encroachment monitoring, Lore Lindu NP, Indonesia (TNC).

*articles (refereed)* Vamosi, S. M., S. B. Heard, J. C. Vamosi & C. O. Webb. 2008. Emerging patterns in the comparative analysis of phylogenetic community structure. *Molecular Ecology*, doi:10.1111/j.1365-294X.2008.04001.x.

Webb, C. O., D. D. Ackerly & S. W. Kembel. 2008. Phylocom: software for the analysis of phylogenetic community structure and trait evolution. *Bioinformatics* 24: 2098-2100.

Poorter, L., S. J. Wright, H. Paz, D. D. Ackerly, R. Condit, G. Ibarra-Manríquez, K. E. Harms, J. C. Licona, M. Martínez-Ramos, S. J. Mazer, H. C. Muller-Landau, M. Pēna-Claros, C. O. Webb, & I. J. Wright. 2008. Are functional traits good predictors of demographic rates? Evidence from five Neotropical forests. *Ecology* 89: 1908-1920.

Gilbert, G. S. & C. O. Webb. 2007. Phylogenetic signal in plant pathogen-host range. *PNAS* 104: 4979–4983.

Kraft, N. J. B., W. K. Cornwell, C. O. Webb, & D. D. Ackerly. 2007. Trait evolution, community assembly, and the phylogenetic structure of ecological communities. *American Naturalist* 170: 271–283.

Chave, J., H. C. Muller-Landau, T. R. Baker, T. A. Easdale, H. ter Steege, & C. O. Webb. 2007. Regional and phylogenetic variation of wood density across 2,456 neotropical tree species. *Ecological Applications* 16: 2356–2367.

Wright I. J., Ackerly D. D., Bongers F., Harms K. E., Ibarra-Manriquez G., Martinez-Ramos M., Mazer S. J., Muller-Landau H. C., Paz H., Pitman N. C. A., Poorter L., Silman M. R., Vriesendorp C. F., Webb C. O., Westoby M., & Wright S. J. 2007. Relationships among ecologically important dimensions of plant trait variation in seven Neotropical forests. *Annals of Botany* 99: 1003–1015.

C. O. Webb, C. O., J. B. Losos & A. A. Agrawal. 2006. Special Feature: Integrating Phylogenies into Community Ecology. *Ecology*, 87: S1-S2.

Ackerly, D. D., D. W. Schwilk, & C. O. Webb. 2006. Niche evolution and adaptive radiation: Testing the order of trait divergence. *Ecology*, 87: S50-S61.

Webb, C. O., G. S. Gilbert, & M. J. Donoghue. 2006. Phylodiversity dependent seedling mortality, size structure, and disease in a Bornean rain forest. *Ecology*, 87: S123-S131.

- Weiblen, G. D., C. O. Webb, V. Novotny, Y. Basset, & S. E. Miller. 2006. Phylogenetic dispersion of host use in a tropical insect herbivore community. *Ecology*, 87: S62-S75.
- Strauss, S. Y., C. O. Webb, & N. Salamin. 2006. Exotic taxa less related to native species are more invasive. *PNAS*. 103: 5841–5845.
- Moles, A. T., D. D. Ackerly, C. O. Webb, J. C. Tweddle, J. B. Dickie, A. J. Pitman & M. Westoby. 2006. Factors that shape seed size evolution. *PNAS*. 102: 10540–10544.
- Ree, R. H., B. R. Moore, C. O. Webb, & M. J. Donoghue. 2005. A likelihood framework for inferring the evolution of geographic range on phylogenetic trees. *Evolution* 59: 2299–2311.
- Davis, C. C., C. O. Webb, K. J. Wurdack, C. A. Jaramillo, & M. J. Donoghue. 2005. Explosive radiation of Malpighiales supports a mid-Cretaceous origin of modern tropical rain forests. *American Naturalist* 165: E36–E65.
- Webb, C. O. & M. J. Donoghue. 2005. Phylomatic: tree retrieval for applied phylogenetics. *Molecular Ecology Notes* 5: 181–183.
- Moles, A. T., D. A. Ackerly, C. O. Webb, J. C. Tweddle, J. B. Dickie, & M. Westoby. 2005. A brief history of seed size. *Science* 307: 576–580.
- Webb, C. O. 2004. Engineering hope. *Conservation Biology* 19: 275–277.
- Slik, J. W. F., A.D. Poulsen, P.S. Ashton, C. Cannon, K.A.O. Eichhorn, K. Kartawinata, I. Lanniari, H. Nagamasu, M. Nakagawa, M.G.L. van Nieuwstadt, J. Payne, Purwaningsih, A. Saridan, K. Sidiyasa, R.W. Verburg, C. O. Webb, & P. Wilkie. 2003. A floristic analysis of the lowland dipterocarp forests of Borneo. *J. Biogeography* 30: 1517–1531.
- Chazdon, R. L., S. Careaga, C. O. Webb, & O. Vargas. 2002. Community and phylogenetic structure of reproductive traits of woody species in wet tropical forests. *Ecological Monographs* 73: 331-348.
- Webb, C. O., D. D. Ackerly, M. McPeck, & M. J. Donoghue. 2002. Phylogenies and community ecology. *Annual Review of Ecology & Systematics* 33: 475–505.
- Webb, C. O., & N. C. Pitman. 2002. Phylogenetic balance and ecological evenness. *Systematic Biology* 51: 898–907.
- Zens, M. S., & Webb, C. O. 2002. Sizing up the shape of life. *Science* 295: 1475–1476.
- Webb, C. O., & D. R. Peart. 2001. High seed dispersal rates in faunally-intact tropical rain forest: theoretical and conservation implications. *Ecology Letters* 4: 491–499.
- Webb, C. O. 2000. Exploring the phylogenetic structure of ecological communities: an example for rain forest trees. *American Naturalist* 156: 145–155.
- Webb, C. O., & D. R. Peart. 2000. Habitat associations of trees and seedlings in a Bornean rain forest. *J. Ecology* 88: 464–478.
- Curran, L. M., & C. O. Webb. 2000. Experimental tests of the spatio-temporal scale of seed predation in mast-fruiting Dipterocarpaceae. *Ecological Monographs* 70: 129–148.
- Webb, C. O., & D. R. Peart. 1999. Seedling density dependence promotes coexistence of Bornean rain forest trees. *Ecology* 20: 2006–2017.
- Webb, C. O., & L. M. Curran. 1996. A field key to dipterocarp seedlings of the Gunung Palung National Park, West Kalimantan, Indonesia. *Tropical Biodiversity* 3: 193–225.

Setiadi, Y., D. R. Peart, C. O. Webb, & M. Leighton. 1996. Abundance and spatial distribution of seedling recruitment around adult trees of five *Shorea* species, in the Gunung Palung National Park, Indonesia. *Tropical Biodiversity* 3: 169–179.

Tanuwijaya, S. M., R. H. Alimudin, D. R. Peart, C. O. Webb, & M. Leighton. 1996. Population structure and regeneration in two potentially valuable leguminous rain forest tree species, *Sindora coriacea* and *Dialium platysepalum*, in Gunung Palung National Park, Indonesia. *Tropical Biodiversity* 3: 157–168.

Flemming, N. C., & C. O. Webb. 1986. Tectonic and eustatic coastal changes during the last 10,000 years, derived from archeological data. *Zeitschrift fur Geomorphologie Suppl.-Bd.* 62: 1–29.

*book chapters* Webb, C. O., C. H. Cannon, & S. J. Davies. 2008. Ecological organization, biogeography, and the phylogenetic structure of tropical forest tree communities. In W. P. Carson & S. S. A. Schnitzer (eds.) *Tropical Forest Community Ecology*. Blackwell.

*book reviews* Webb, C. O. 2003. Macroevolutionary Theory on Macroecological Patterns (Price). *Quarterly Review of Biology* 78: 474–5.

Webb, C. O. 2000. Beyond Slash and Burn (Colfer). *Plant Systematics & Evolution* 220: 271–273.

Webb, C. O. 1999. Environment as destiny, history as science (Diamond). *Conservation Biology* 13: 1520–1.

Webb, C. O. 1998. Milestones in Indonesian conservation (MacKinnon). *Conservation Biology* 12: 735–736.

*popular* Webb, C. O. 23 July 1999. ‘Borneo Diary’ documentary. Living on Earth, NPR.

(updated: December 15, 2008)