

Juan Pablo Giraldo
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EDUCATION

Harvard University Cambridge, MA
PhD candidate, Organismic and Evolutionary Biology 2005-Expected 2011

Universidad de Los Andes Bogotá, Colombia
BS, with honors as top student, Biology 2002
BS, with honors as top student, Physics 2001
Minor, Modern and Contemporary Humanities 2002
Minor, French language and culture 2001

LANGUAGES SPOKEN

Spanish (native language), English (fluent), French (fluent), Portuguese and Italian (basic)

AWARDS

Outstanding paper in Landscape Ecology by Laurance *et. al.*, PNAS, 2006. 2006
The International Association of Landscape Ecologists

Dorothy Hodgkin Award. 2005
Cambridge University (Declined to do PhD at Harvard University)

FELLOWSHIPS AND GRANTS

National Science Foundation Postdoctoral Fellowship in Biology, \$189,000 2011
Sustainability Science Program Fellowship, Harvard University, \$25,000 2010
Conference travel grant GSC, Harvard University, \$750 2010
Research travel grant DRCLAS, Harvard University, \$1,500 2008
Smithsonian Pre-doctoral fellowship, \$17,000 2008
Summer internship grant DRCLAS, Harvard University, \$2,200 2006
OEB graduate student fellowship, \$8,000 2005
Universidad de Los Andes, half tuition 1996-2000

PUBLICATIONS

Peer-reviewed articles

Zhang YJ, Meinzer FC, Hao GY, Scholz FG, Bucci SJ, Takahashi FSC, Villalobos-Vega R, **Giraldo JP**, Cao KF, Hoffmann WA, Goldstein G. 2009. Size-dependent mortality in a Neotropical savanna tree: the role of height related adjustments in hydraulic architecture and carbon allocation. *Plant cell and environment* 32 (10):1456-1466.

T.A. Kursar, B. M. J. Engelbrecht, A. Burke, M. T. Tyree, B. El Omari, **J. P. Giraldo**. 2009. Tolerance to low leaf water status of tropical tree seedlings is related to drought performance and distribution. *Functional Ecology* 23 (1):93-102.

Laurance W, Nascimiento H, Andrade A, Ribeiro J. E. **Giraldo J.P**, Lovejoy T, Condit R, Laurance S. 2006. Rapid decay of tree-community composition in Amazonian forest fragments. PNAS. 103 (50): 19010-19014.

Giraldo J.P. 2003. Change in vegetation cover of the tropical rain forest of National Natural Park Tinigua, Colombia. *Pérez Arbelaezia*, Journal of the Bogotá Botanical Garden, Colombia. 14: 9-24

Book chapters

Giraldo, J. P. and N. M. Holbrook (2011). Physiological mechanisms underlying the seasonality of leaf senescence and renewal in seasonally dry tropical forests trees. *Seasonally Dry Tropical Forests: Ecology and Conservation*. R. Dirzo, H. Young, H. Mooney and G. Ceballos. Washington DC, Island Press: 129-140.

Magazine articles

Giraldo JP. 2007. Brazilian Cerrados: Vanishing biodiversity. *REVISTA*, Harvard Review of Latin America. 6 (2): 60

CONFERENCE PRESENTATIONS

Giraldo JP, Xie Y, Huang B, Granot D, Holbrook NM. Leaf hydraulic regulation of the timing of leaf senescence in tomato (*Solanum lycopersicum*). Poster presentation. Association of Plant Biology Meeting. Montreal, Canada, 2010

Giraldo JP and Holbrook NM. How evergreen plants control leaf longevity: the role of leaf hydraulic conductance in regulating leaf senescence. Oral presentation. Harvard University Herbaria Seminar. Cambridge, MA, 2009

Giraldo JP, Tyree M, Engelbrecht B, Burke A, and Kursar T. Quantifying desiccation tolerance and drought performance of tropical seedlings for predicting plant distributions. Oral presentation. Association of Tropical Biology and Conservation meeting. Miami, FL, 2004

Giraldo JP, Tyree M, Engelbrecht B, Burke A, and Kursar T. Quantifying desiccation tolerance and drought performance of tropical seedlings for predicting plant distributions. Oral presentation. Smithsonian Tropical Research Institute Annual Symposium. Panama City, Panama, 2004.

TEACHING FELLOWSHIPS

Harvard University	Cambridge, MA
Biology of Plants	2010
Foundations of Biological Diversity	2009
Ecology: populations, communities and ecosystems	2007

Harvard Forest	Petersham, MA
REU mentor of Harvard Senior James Onstad and Junior Lee Dietterich	2008

Universidad de Los Andes	Bogotá, Colombia
Physics laboratory IV (optics and quantum mechanics)	2002-2003
Physics laboratory I (Newtonian mechanics)	2003
Biophysics laboratory I (mechanics, fluids and thermodynamics for biologists)	2003
Physics laboratory II (waves, fluids and thermodynamics)	2001-2002
Biophysics laboratory II (optics, electricity and magnetism for biologists)	2001

INTERNSHIPS

University of Miami	RECOR, Brazil
Hydraulic architecture and water relations of tropical savanna trees	2006
Dr. Guillermo Goldstein lab	

Smithsonian Tropical Research Institute	Panama city, Panama
Floristic dynamics of tree communities in Amazonian forest fragments	2005
Dr. William Laurance lab	

Comparative drought stress ecophysiology of tropical seedlings	BCI, Panama
Dr. Melvine Tyree and Dr. Thomas Kursar lab	2003- 2004

Institute of Hydrology, Meteorology and Environmental Studies	Bogotá, Colombia
Environmental diagnosis of the volcanic system Doña Juana-Cerro Juanoy	2002

BS thesis	2001-2002
Change in vegetation cover of the tropical rain forest of the National Natural Park Tinigua, Colombia	

REFERENCES

Dr. Michelle N. Holbrook
 Harvard University
 Charles Bullard Professor
 Phone: (1) 617-496-0603
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 Harvard University
 Professor of Organismic and Evolutionary Biology
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Dr. Elena M. Kramer
 Harvard University
 Professor of Organismic and Evolutionary Biology
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 Email: ekramer@oeb.harvard.edu