

## Dr Anabelle Williamson Cardoso

Ecology and Evolutionary Biology Dept.  
Osborne Memorial Labs  
Yale University  
165 Prospect Street  
New Haven, CT, 06511, USA

anabelle.cardoso@yale.edu

### CURRENT POSITION

**Postdoctoral Research Associate, Yale University** 2019-present  
Ecology and Evolutionary Biology Dept.  
In the labs of: Assoc. Prof. Carla Staver (Yale University) and Prof. Sally Archibald (University of Witwatersrand)

### EDUCATION

**Ph.D., University of Oxford** 2015-2018  
Geography and the Environment  
Supervised by: Prof. Yadvinder Malhi, Dr Imma Oliveras, Prof. Kate Abernethy, and Prof. William Bond  
**M.Sc., University of Oxford, *distinction*** 2013-2014  
Environmental Change and Management  
**B.Sc. (Hons.), University of Cape Town, *distinction*** 2012  
Botany  
**B.Sc., University of Cape Town, *distinction*** 2009-2011  
Ecology, Biodiversity & Evolutionary Biology

### PUBLICATIONS IN PEER REVIEWED JOURNALS

**Google Scholar profile:** <https://scholar.google.com/citations?user=-T7q0CgAAAAJ>

- Cardoso, A.W.**; Malhi, Y.; Oliveras, I.; Lehmann, D.; Edzang Ndong, J.; Dimoto, E.; Bush, E.; Jeffery, K.J.; Labriere, N.; Lewis, S.L.; White, L.T.J.; Bond, W.J.; Abernethy, K.A. 2019. The role of forest elephants in shaping tropical forest-savanna coexistence. *Ecosystems*.
- Willi, M.; Pitman, R. T.; **Cardoso, A.W.**, Locke, C.; Swanson, A.; Boyer, A.; Veldthuis, M.; Fortson, L. 2019. Identifying animal species in camera trap images using deep learning and citizen science. *Methods in Ecology and Evolution*.
- Cardoso, A.W.**; Oliveras, I.; Abernethy, K.A.; Jeffery, K. J.; Lehmann, D.; Edzang Ndong, J.; McGregor, I.; Belcher, C.M.; Bond, W.J.; Malhi, Y. 2018. Grass species flammability, not biomass, drives changes in fire behavior at tropical forest-savanna transitions. *Frontiers in Forests and Climate Change*.
- Cardoso, A.W.**; Midgley, J.J.; Hoffman M.T.; Geldenhuys, C.J. 2017. Temperate forest dynamics and carbon storage: a 26-year case study from Orange Kloof Forest, Cape Peninsula, South Africa. *Southern Forests*.
- Ah-Peng, C.; **Cardoso, A.W.**; Flores, O.; Wilding, N.; Strasberg, N.; Hedderson, T.A.J. 2017. The role of epiphytic bryophytes in interception, storage, and the regulated release of atmospheric moisture in tropical montane cloud forest. *Journal of Hydrology*.

## Anabelle Williamson Cardoso

**Cardoso, A.W.;** Medina-Vega, J.; Malhi, Y.; Adu-Bredu, S.; Ametsitsi, G.K.D.; Djagbletey, G.; van Langevelde, F.; Veenendaal, E.; Oliveras, I. 2016. Winners and losers: tropical forest tree seedling survival across a West African forest–savanna transition. *Ecology and Evolution*.  
 Simon, T.; Hoffman, M.T.; Henschel, J.; **Cardoso, A.W.;** Brooks, M.; Underhill, L. 2016. The potential impacts of fracking on the biodiversity of the Karoo Basin, South Africa. In: Hydraulic fracturing in the Karoo: Critical legal and environmental perspectives. Eds: Glazewski, J.; Esterhuysen, S.

### GRANTS, SCHOLARSHIPS, AND AWARDS

---

2015-2018	Bruce, Julia, and Mortimer May Senior Scholar in Geography (award of £26 000 p/a to support research expenses during doctoral studies)
2015-2018	Commonwealth Scholarship (fully funded doctoral scholarship to the University of Oxford)
2015-2018	Oppenheimer Scholarship (selected by the Oppenheimer Foundation as one of the top South African recipients of the Commonwealth Scholarship)
2013-2014	Santander Travel Award (funding to support M.Sc. research expenses)
2013-2014	Skye Foundation Scholarship (fully funded M.Sc. scholarship to the University of Oxford)
2013-2014	Commonwealth Scholarship (fully funded M.Sc. scholarship to the University of Oxford – was unable to accept due to already having secured funding)
2012	South African National Research Foundation “Freestanding” Scholarship (fully funded M.Sc. scholarship to the University of Cape Town - was unable to accept due to accepting a position at another university)
2012	South African Association of Botanists Scholarship (funding to support B.Sc. Hons. studies)
2011	University of Cape Town Science Faculty Scholarship (funding to support undergraduate studies)
2010	Dick and Dorothy Borchard’s Prize (award for the highest achieving student in 2 <sup>nd</sup> year Botany or Astronomy)
2010-2012	Class medal for achieving the highest mark in the class (B.Sc. Hons. in Botany, 3 <sup>rd</sup> Year Systematics, 3 <sup>rd</sup> Year Ecosystem Ecology, 2 <sup>nd</sup> Year Plant Diversity, 2 <sup>nd</sup> Year Principles of Evolution)
2009-2012	Dean’s Merit List (award for having a weighted average over 70% in all courses taken)
2009	University of Cape Town Entrance Scholarship (funding to support first year undergraduate studies based on high school leaving results and entrance test results)

### POSTGRADUATE SUPERVISION

---

2020	Co-supervised the MSc thesis of Londiwe Mokoena, University of Witwatersrand
2019	Co-supervised the MSc thesis of Charles Emogor, University of Oxford
2018	Co-supervised the MSc thesis of Ian McGregor, University of Oxford

### LECTURING AND TEACHING EXPERIENCE

---

2019	Lectured on the M.Sc. “Forestry” course, Module: Tropical Forest Ecosystems, Yale University (1 Lecture)
2017	Teaching assistant on the M.Sc. “Environmental Change and Management” course, Module: Statistics, University of Oxford (1 Module)
2015	Lectured and assisted with practicals on the M.Sc. “Conservation Biology” course, Module: Community Ecology, University of Cape Town (2 Lectures and 1 Fieldtrip)

## **Anabelle Williamson Cardoso**

2013	Demonstrator on the BSc field course “Ecosystems”, University of Cape Town (Practical component of entire course)
2012-2013	Demonstrator on the BSc “Biology” course practicals, University of Cape Town (Practical component of entire course)

### **INVITED SEMINARS AND CONFERENCE PRESENTATIONS**

---

2020	“Why do fires stop spreading?”, Savanna Science Network Meeting, Skukuza, South Africa
2019	“How are forest-savanna transitions affected by fire and forest elephants?”, University of Witwatersrand, School of Animal, Plant, and Environmental Sciences seminar
2019	“The role of forest elephants in shaping forest and savanna co-existence”, Savanna Science Network Meeting, Skukuza, South Africa
2018	“Are forest-savanna transitions home to a distinct woody community?”, Savanna Science Network Meeting, Skukuza, South Africa
2017	“How fire and forest elephants affect forest-savanna transition dynamics” (unable to attend in person, presentation given on my behalf by Dr Imma Oliveras), Association of Tropical Biologists Conference, Mérida, Mexico
2017	“How fire and elephants affect forest-savanna coexistence”, Savanna Science Network Meeting, Skukuza, South Africa
2016	“How fire and elephants affect forest-savanna mosaic dynamics”, University of Edinburgh, School of Geosciences seminar
2016	“How relevant are elephants? Forest elephants in a forest-savanna mosaic in Central Africa”, Hertford College Senior Scholar Seminar Series, University of Oxford
2016	“How fire and elephants interact to affect forest encroachment in a central African forest-savanna mosaic” (poster), Savanna Science Network Meeting, Skukuza, South Africa

### **PROFESSIONAL EXPERIENCE**

---

January-June 2015	Research Assistant to Prof. Timm Hoffman, Plant Conservation Unit, University of Cape Town
May-June 2015	Research Assistant to Prof. William Bond, Botany Department, University of Cape Town
June-July 2011	Research Assistant to Dr Nicola Bergh, South African National Biodiversity Institute

### **ACADEMIC SERVICE**

---

Manuscript reviewer: Journal of Ecology, New Phytologist, African Journal of Ecology, Biotropica, Journal of Wildland Fire, Plant Ecology.