Dr. Tiziana A. Gelmi Candusso

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# Education

**PhD** Georg-August-Universität Göttingen, Biodiversity and Ecology Nov 2017

Dissertation: “Frugivore behavior and plant spatial genetics”

Committee: Prof. Dr. Eckhard W Heymann (chair), PD Dr. habil. Oliver Schülke,

Prof. Dr. Pierre-Michel Forget

Graduated Magna Cum Laude

**MSc** University of Trieste, Environmental Biology Oct 2012

Thesis: “Effects of climate change on algae and benthic invertebrates”

Research Institution: Helmholtz-zentrum für Ozeanforschung - GEOMAR

Advisor: Prof. Dr. Guido Bressan; Prof. Dr. Martin Wahl

Graduated Cum Laude

**BSc** University of Padova, Biology Oct 2010

Thesis: “Effects on the ecosystem of removing apex predators”

Advisor: Prof. Dr. Carlotta Mazzoldi

Graduated 101/110

# Research Experience

**“The role of red foxes in urban habitat connectivity through frugivory”** 2019-current

Postdoctoral fellowship, University of Toronto

**“Frugivore behavior and plant spatial genetics”**, German Primate Center, Göttingen 2014-2019

Doctoral Project

* Analysis of spatial patterns of plant genetics and animal movement
* Analysis of feeding and post-feeding behavior of arboreal mammals
* Genetic identification of parentage between plants
* Elaboration of methods for estimating seed dispersal distance

**Max Planck for experimental medicine**, Max Planck Institute, Göttingen 2013-2014

Research Assistant

* Genetic analyses and Proteomics

**Whale Research Lab**, University of Victoria, BC, Canada 2011

Internship

* Sampling animal behavior of Gray whales
* Taxonomic identification of their prey species

# Presentations and Invited Lectures

**Presentation**: “How does territoriality behavior of seed dispersers affects spatial genetics of dispersed plants? Case study: Tamarins and Leonia cymosa,”

*European conference of Tropical Ecology,* Bruxelles 6-10 Feb 2017

*Annual Meeting of the Ecological Society of Germany, Austria and Switzerland*, Marburg 5-9 Sep 2016

# Professional Training

**“Agent-based modeling with NetLogo”, Summer School,** Göttingen. Sep, 2017

**“Spatially-Explicit Modeling of Ecological Systems in R” Summer School,** Würzburg May 2017

**“Fundamentals of GIS for ecology, and Species distribution modeling” Workshop,** Bruxelles Feb 2016

# Teaching Experience

Lecturer on Primate seed dispersal within the Primate Ecology course for MSc in Biodiversity, Ecology and Evolution. University of Göttingen 2015, 2019

Mentor in Scientific writing and Project Management for MSc students 2018-2019

Mentor in Experimental design for BSc student Feb-Apr 2014

# Scientific service

**Organizer of Symposium on Urban seed dispersal FSD2020** 2019 - 2020

**Peer review for *Scientific Reports*** 2019

**Peer review for *Ecology and Evolution*** 2019

**Organizing committee managing finances at the Woman’s Career Network conference** 2018- 2019

# Honors and Awards

**German Research Foundation (DFG) fellowship** Nov 2019 – Nov 2022

**Family oriented Completion Grant. University of Göttingen** Apr-Sep 2017

**Erasmus mundus scholarship. European Commission** Feb-Sep 2012

# Publications

Gelmi-Candusso, T. A., Heymann, E. W., and Heer, K. (2020). The influence on tamarin seed dispersal on spatial genetic structure. *In preparation*

Gelmi-Candusso, T. A., Bialozyt, R., Slana. D., Zarate-Gomez R., Heymann, E. W., and Heer, K. (2019). Estimating seed dispersal distance: a comparison of methods using animal movement and plant genetic data on two primate-dispersed Neotropical plant species. *Ecology and Evolution*. 1-13. doi.org/10.1002/ece3.5422

Gelmi-Candusso, T.A., Hämäläinen, A. (2019) Seeds and the city: the interdependence of zoochory and ecosystem dynamics in urban environments. *Frontiers in Ecology and Evolution*. 7, 41. doi:10.1111/10.3389/fevo.2019.00041

Gelmi-Candusso, T.A (2019) Frugivore behavior and plant spatial genetics. *Doctoral dissertation.* Georg-August-Universität, Göttingen, Germany. http://hdl.handle.net/11858/00-1735-0000-002E-E5C8-C

Gelmi-Candusso, T. A., Heymann, E. W., and Heer, K. (2017). Effects of zoochory on the spatial genetic structure of plant populations. *Molecular Ecology*. 26, 5896–5910. doi:10.1111/mec.14351.