

# Mailyn Adriana Gonzalez Herrera

## PhD candidate

Laboratoire Evolution et Diversité Biologique  
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Date of Birth : 11 February 1982  
Nationality : Colombian

## Publications

N Norden, M Daws, C Antoine, **MA Gonzalez**, N Garwood, J Chave. The relationship between seed mass and germination delay for 1,043 tree species across five tropical forests. *Functional Ecology*. In press

N Juillet, **MA Gonzalez**, PA Page, LDB Gigord. Pollination of the European food-deceptive *Traunsteinera globosa* (Orchidaceae): the importance of nectar-producing neighboring plants. *Plant Systematics and Evolution* 265:123-129

## Education

2005-present	PhD candidate Université Paul Sabatier, Toulouse, France
1999-2005	Master of science & Bachelor of Biology Université de Lausanne, Switzerland
1998	High School Fundacion Colegio UIS, Bucaramanga, Colombia

## Research experience

2005-present	<b>PhD and participant at the BRIDGE Project:</b> Université Paul Sabatier, Département Evolution et Diversité Biologique (EDB), Toulouse, France <b>Title: From individuals to communities: case study in the tropical forest of French Guiana</b> Advisor: Dr. Jérôme Chave Keywords: DNA barcoding, community ecology, phylogeny
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- 2004-2005      **Master of science :**  
 Université de Lausanne, Département Ecologie & Evolution (DEE),  
 Switzerland  
**Title: On the biogeographical pattern of a striking leaf  
 polymorphism in *Dombeya acutangula* at La Reunion Island**  
 Advisor: Dr. Luc Gigord  
 Keywords: Adaptation, heterophylly, herbivory
- 2005              **Research Assistant: Plant genetics** (2 months)  
 Université de Lausanne, Département Ecologie & Evolution (DEE),  
 Switzerland  
**Title: Induced defences in *Arabidopsis thaliana* by the stomach  
 content of *Pieris rapae***  
 Advisor : Dr. Philippe Raymond
- 2005              **Training period: Plants genetics** (6 months)  
 Université de Lausanne, Département Ecologie & Evolution (DEE),  
 Switzerland  
**Title: Dynamics of induced defences in *Arabidopsis thaliana* by  
 the caterpillar of *Pieris rapae***  
 Advisor: Dr. Philippe Raymond  
 Keywords: Microarrays, direct defence, induced defence.
- 2004              **Training period: Ecology** (6 months)  
 Université de Lausanne, Département Ecologie & Evolution (DEE),  
 Switzerland  
**Title: Test of the Queen replenishment Hypothesis in *Formica  
 exsecta***  
 Advisor: Dr. Rolf K umerli  
 Keywords: ants, Queen Replenishment, polygyny
- 2004              **Training period: Botany** (6 months)  
 Université de Lausanne, Département Ecologie & Evolution (DEE),  
 Switzerland  
**Title: Is the European deceptive orchid *Traunsteinera globosa*  
 involved in a mimetic system?**  
 Advisor: Dr. Nicolas Juillet & Dr. Luc Gigord  
 Keywords: Orchids, rewardless.

### **Teaching experience**

- 2007-2008      **Co-advisor for:**  
  
 Aur elien Roger, master student, Universit  Paul Sabatier.  
**Title: Floristic diversity of a French Guiana Forest: molecular  
 and phylogenetic approach for species identification**

Julien Vieu, master student, Université Paul Sabatier.

**Title: The hide diversity of a tropical forest in French Guiana: molecular identification of unidentified trees**

Marie Lecoze, master student, Université Paul Sabatier.

**Title: Contribution to the construction of a phylogenetic hypothesis for the Sapotacea family**

Aurélien Roger, master student, Université Paul Sabatier.

**Title: Tropical seedlings communities in French Guiana : molecular identification and community ecology**

- 2006-2008      **Practical work in plant taxonomy, flower and fruit structure**  
Université Paul Sabatier, Toulouse, France
- 2008            **Practical work in plant taxonomy, flower and fruit structure**  
Centre universitaire de formation et de recherché Jean-François  
Champollion, Albi, France
- 2005            **Practical work in plant taxonomy**  
Université de Lausanne, Switzerland
- 2002-2004     **Students support**  
Boarding School, Collège Champittet, Pully, Switzerland

### **Presentations**

- 2008            **How useful is DNA barcoding for large-scale inventories of tropical trees?**  
Association for Tropical Biology and Conservation, annual meeting, Paramaribo, Surinam
- 2007            **Tropical tree DNA barcoding, a case study in French Guiana**  
Association for Tropical Biology and Conservation, annual meeting, Morelia, Mexico

### **Poster**

- 2006            **Code barres ADN, un outil dans l'identification d'arbres tropicaux en Guyane Française**  
GDR Ecologie de communautés, Montpellier, France

- 2006 **El Código de Barras ADN, instrumento para la identificación de árboles tropicales**  
IV Congreso colombiano de Botánica Medellín Colombia.

### **Grants and Awards**

- 2008 **Alwyn Gentry Award** for the best student oral presentation at the annual meeting of the Association for Tropical Biology and Conservation congress, Paramaribo, Suriname
- 2005 Grant from the Académie Vaudoise de Sciences naturelles
- 2004 Grant from the Académie Vaudoise de Sciences naturelles

### **Languages**

Native : Spanish  
Fluent: French, English