

# PAUL BASTIDE

2 allée Pernette du Guillet, 75019 Paris  
paul.bastide@u-psud.fr

cell phone: +33 6 76 32 02 89  
home page: pbastide.github.io

## Educational Background

- 2014 – 2017      *Université Paris Sud*  
Ph.D. in Applied Mathematics: “Shifted stochastic processes evolving on trees: application to models of adaptive evolution on phylogenies.”  
Supervised by Stéphane Robin (MIA, UMR 518 AgroParisTech/INRA) and Mahendra Mariadassou (MaIAGE, UR 1404 INRA).  
During the fall of 2015, I was granted with a Fulbright fellowship to work with Cécile Ané at the *University of Wisconsin - Madison*.
- 2013 – 2014      *Université Paris Sud - École Polytechnique - ENS Cachan*  
Master2 MathSV : Mathematics for Life Sciences.  
Awarded with highest honors.
- 2010 – 2014      *École Polytechnique*  
(One of France’s leading schools of science and engineering.)  
Majoring in Applied Mathematics, track : ”Mathematics: Applications to Biology and Medical Science”.
- 2007 – 2010      *Lycée Privé Sainte Geneviève (Versailles, France)*  
Classe Préparatoires: an intensive post-secondary program to prepare for the competitive entrance exams to the *Grandes Écoles*.
- 2007      *Baccalauréat Scientifique*  
With English European Option, passed with highest honors.

## Scientific Projects and Internships

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|-----------------------|--|
| Apr. – Aug. 2014      | Internship at the UMR 518 AgroParisTech / INRA (Paris).<br><i>Shifted Phylogenetic Comparative Methods.</i><br>Supervised by Stéphane Robin and Mahendra Mariadassou.  |
| Oct. – March 2014     | Projet at the UMR de Génétique Végétale du Moulon (Saclay).<br><i>Analysis of the relations between the phenotype and the genotype on yeast organisms, combining genomic, proteomic and metabolic data.</i><br>Supervised by Christine Dillmann and Sylvie Huet.   |
| Apr. – Jul. 2013      | Internship at the International Institute for Climate and Society (IRI) at Columbia University (New York).<br><i>Construction and Study of a Multi-Model Framework For Short Term Predictions of a Malaria Epidemic in the Region of Kericho, Kenya.</i><br>Supervised by Rémi Cousin and Daniel Ruiz Carrascal. |
| Oct. – Dec. 2012      | Project at the Centre de Mathématiques Appliquées (CMAP, École Polytechnique).<br><i>How to control the Chikungunya epidemic in La Réunion ?</i><br>Supervised by Stéphane Gaubert.  |
| Oct. 2011 – June 2012 | Project at the Centre de Mathématiques Appliquées (CMAP, École Polytechnique).<br><i>Modeling the development of terrorists groups.</i><br>Supervised by Amandine Veber.   |

## Teaching and Work Experience

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|----------------------|--|
| Spring 2015          | Introduction to Mathematical Modeling for third year Bsc students majoring in Mathematics (L3 MINT: Mathématiques en Interaction) at the University Paris-Sud.   |
| Fall 2014            | Statistical hypothesis testing for third year Bsc students majoring in Biology (L3 Biologie et Santé) at the Université Paris-Sud.   |
| Summer 2012          | Internship in the Russian firm <i>Intech-NSK</i> in Novosibirsk, specialized in telecommunications.  |
| 2011 – 2012          | Tutor at <i>GEPPM</i> , a national program to help underprivileged high school students to continue their studies after high school. One course a week.  |
| Oct. 2010 – May 2011 | Internship in the French association " <i>l'Enfant @ l'Hôpital</i> " (Children in Hospital).<br>I helped children who were in French hospitals for a long stint to write to globe-trotters. I was also webmaster of the association's website. |

## Skills

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|------------------------|---|
| <i>Languages</i>       | Fluent English (TOEFL-iBT : 107/120)<br>Functional Russian and Spanish                  |
| <i>Computer skills</i> | MS Office, LaTeX<br>Maple, Scilab, R, Bocop, FreeFem++<br>Basic notions in Java and C++ |

## Extracurricular activities

Fine arts and History of Sciences. Published article :

Paul Bastide & Treyvis David : “*Discours de réception d’Édouard Estaunié à l’Académie française : définitions croisées de la persona d’un académicien scientifique*”

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<http://www.epistemocritique.org/spip.php?article390>.

Long-distance hiking.