

# PAUL BASTIDE

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## 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).  
*University of Wisconsin - Madison.*  
During the fall of 2015, I was granted with a Fulbright fellowship to work with Cécile Ané at the Departments of Statistics and Botany.
- 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

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

## Teaching

Spring 2016	Measure theory and probabilities for third year Bsc students in Mathematics (L3 MFA: Mathématiques Fondamentales et Appliquées).
Springs 2015/16	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.
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.

## Work Experience

Summer 2012	Internship in the Russian firm <i>Intech-NSK</i> in Novosibirsk, specialized in telecommunications.
Oct. 2010 – May 2011	Internship in the French association " <i>l'Enfant @ l'Hôpital</i> " (Children in Hospital). 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

<i>Languages</i>	Fluent English (TOEFL-iBT : 107/120) Functional Russian and Spanish
<i>Computer skills</i>	MS Office, LaTeX Maple, Scilab, R, Bocop, FreeFem++ 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*”  
ISSN 1913-536X ÉPISTÉMOCRITIQUE - Volume 14 – Automne 2014 - Greffes, available at:  
<http://www.epistemocritique.org/spip.php?article390>.

Long-distance hiking.