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Born Dec, 1, 1983
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Current Occupation

Junior Researcher (Chargé de recherche, CR2) in Biostatistics at INRA, in laboratory MIG (Mathématique, Informatique et Génome) since september 2010.

Education

- 2006–2009 *Paris Descartes University – Paris 11 University, Paris*
Ph.D. in Biostatistics : Robustness of phylogenetic trees.
Supervised by Avner BAR-HEN, Professor at Paris Descartes University and Hirohisa KISHINO, Professor at the University of Tokyo.
- 2005–2006 *ENS – Paris 11 University, Paris*
Master's degree in Mathematics , majors in Probabilities and Statistics, awarded with honour.
- 2004–2005 *ENS – Paris 7 University, Paris*
Master's degree in Biology awarded with honours.
- 2003–2004 *ENS – Paris 11 University, Paris*
Licence, Maîtrise de Mathématiques (Mention Très Bien) , equivalent to a Bachelor's Degree in Mathematics, awarded with honours.
- 2003–2007 *École Normale Supérieure (ENS)*
Student at the Mathematics Department of École Normale Supérieure (ENS)

Research Internships

- Mar 2006–Aug 2006 *Applied Mathematics and Computer Science Laboratory, Paris*
INRA (French Agronomical Research Council) UMR 518, INA-PG
Internship supervised by Stephane ROBIN, INRA researcher
Topic : *Parametric Estimation in a Random Graph Mixture Model*
- Apr 2005–Jul 2005 *Mathematical Eco-evolution Laboratory, Paris*
CNRS UMR 7625, ENS Paris 7 University
Internship supervised by Amaury LAMBERT, CNRS researcher
Topic : *Probability measures on the boundary of a Galton-Watson tree*
- Jan 2005–Mar 2005 *TaMaRa's Lab, Paris*
INSERM (French Medical Research Council) U571, Necker Medical School
Internship supervised by Marianne DE PAEPE, Ph. D student
Topic : *Variability in the infection of E. Coli by the M13 bacteriophage*
- Sep 2004–Dec 2004 *LIAFA (Research Institute in computer sciences) , Paris*
CNRS UMR 7089, Paris 7 University
Internship supervised by Mathieu LATAPY, CNRS researcher
Topic : *Some tools to describe growing networks*

Publications

Peer-reviewed

1. Taxon Influence Index : Assessing the Influence of Taxa on Phylogenetic Reconstruction, MARIADASSOU, M., BAR-HEN, A. AND KISHINO, H., *Systematic Biology*, 61 :337–345, 2012.
2. Phylogenetic and complementation analysis of a single-stranded dna binding protein family from lactococcal phages indicates a non-bacterial origin, SZCZEPANKOWSKA, A. K., PRESTEL, E., MARIADASSOU, M., BARDOWSKI, J. K. AND BIDNENKO, E., *PLoS One*, 6(11) :e26942, 2011.
3. Concentration inequalities for evolutionary trees, MARIADASSOU, M. AND BAR-HEN, A., *Journal of Multivariate Analysis*, 100 :2055-2064, 2009.
4. Influence Function for Robust Phylogenetic Reconstruction, A. BAR-HEN, M. MARIADASSOU, M.-A. POURSAT, P. VANDENKOORNHUYSE, *Molecular Biology and Evolution*, 25 :869–873, 2008.

Conference papers

1. Uncovering Latent Structure in Valued Graphs, M. MARIADASSOU, S. ROBIN, C. VACHER, NIPS 2008, Dec. 2008, Vancouver, CANADA.
2. Uncovering Latent Structure in Valued Graphs : A Variational Approach, M. MARIADASSOU, S. ROBIN, ECCS 2007, Sep. 2007, Dresden, GERMANY.
3. Uncovering Structure in Biological Networks, M. MARIADASSOU, J.J. DAUDIN, V. LACROIX, V. MIELE, F. PICARD, S. ROBIN, M.F. SAGOT, RIAMS, Nov. 2006, Lyon, FRANCE.
4. A basic toolbox for the analysis of dynamic growing networks, C. MAGNIEN, M. MARIADASSOU, C. ROTH, Algotel, May 2005, Giens, FRANCE.

Reviews

Reviewer for *Proceedings in Bioinformatics, Bioinformatics*.

Grants

2007 Fellowship from the "Collège Doctoral Franco-Japonais", used to study one year at the University of Tokyo (Laboratory of Biometry and Bioinformatics) while in Ph.D.

Languages

- French : Mother language
- English : Good command
- Japanese : Notions, Japanese Language Proficiency Test level 3 (JLPT 3 kyuu), lived one year in Japan.