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Education

University Paris-XI, France Lab. Ecology, Systematics and Evolution	Postdoctoral studies, Evolution	2004-2005
University Paris-XI, France Lab. Ecology, Systematics and Evolution	Ph.D., Evolutionary Biology and Ecology	1999-2003
University de los Andes, Bogota, Colombia	M.S., Biology, Population Genetics	1997-1999
University de los Andes, Bogotá, Colombia	B.S., Biology	1990-1996

Research experience

Specht Lab, Plant and Microbial Biology, University California, Berkeley Visiting Associate Researcher <i>Floral development evolution in the order Zingiberales</i> <i>Role of pollination systems in the order Zingiberales</i>	Present
National Museum of Natural History in Paris, France Associate professor <i>Fungi genome evolution</i> Repeat Induced Point mutations in Basidiomycete genomes <i>Evolution of plants and plant-organism interactions</i> Phylogenetics of Tropical Angiosperms Responsible of American plants in MNHN Herbarium (P) Responsible of the website of the lab Origin, Structure and Evolution of Organisms (MNHN) (www.mnhn.fr/oseb).	2005-present
Université Paris-XI Lab. « Ecology, Systematics and Evolution Post-doctoral Associate in Lab. Dr. Tatiana Giraud <i>Fungal genetics and Gene expression</i> <ul style="list-style-type: none">• Positive selection in the fungus basidiomycete <i>Microbotryum violaceum</i>• Development of EST libraries of five different strains of <i>Microbotryum violaceum</i>	2004-2005
Université Paris-XI, Lab. « Ecology, Systematics and Evolution” PhD Dissertation Graduate Research Assistant (ATER) - Advisor Dr. Sophie Nadot Phylogenetics of plant genus <i>Passiflora</i> Evolution of host-plant interaction and ants: the case of plant genus <i>Barteria</i>	2002-2004

Universidad de los Andes, Instituto de Genética, Bogotá-Colombia	1997-1999
Research Assistant	
Origin by hybridation of the butterfly <i>Heliconius heurippa</i> - Advisor of Dr. Mauricio Linares	
Universidad de los Andes, CIMPAT, Bogotá-Colombia	1996
Research Assistant	
Protozoa <i>Trypanosoma cruzi</i> in human mummies – Advisors Carlos Jaramillo and Felipe Guhl	
Universidad de los Andes, Bogotá-Colombia	1995
Undergraduate student	
Diversity and dispersal mechanisms of trees in humid forest of Gorgona Island (Colombia) and Colombo-Equatorian Pacific Coast – Advisor Jaime Cavelier	

Teaching Experience

University Paris-XI, Orsay, France	2002-2004
<ul style="list-style-type: none"> Bioinformatics, Instructor Evolution, Experimental Lab. course, Module Instructor 	
University Paris XIII, Bobigny, France	2002
<ul style="list-style-type: none"> Cytogenetics, Experimental Lab. Course, Module Instructor 	

Fellowships and grants

2006	Coevolution Dynamics: example of plant-ants symbiosis. ANR (Association Nationale pour la Recherche) Co-Pi with Rumsais Blatrix (CEFE-Montpellier)
2006	Evolution and Biogeography of Madagascar xerophytic plants: example of genus <i>Adenia</i> Forssk. (<i>Passifloraceae</i>). PPF. National Museum of Natural History in Paris, France
2006	African forest islands: model for a new approach to the dynamics of structuring of biodiversity. ANR (Association Nationale pour la Recherche). Participation in project developed by eight research groups.
2005	Adaptive Genes under Positive Selection in the Model Fungal Parasite <i>Microbotryum violaceum</i> . GENOSCOPE - Centre national de séquençage. Sequencing project award. Co-PI with Tatiana Giraud (Lab ESE, University Paris-XI).
2003	Assistance of « Fourth Biennial Conference of Systematics Association », August 18th–22nd, 2003. Systematics Association.
2000	Fellowship France Embassy in Colombia FEF (2000 – 2002) – PhD studies
1997	Fellowship « Financial Support to young researchers » - MS studies. Instituto colombiano para el desarrollo de la Ciencia y de la Tecnología (Colciencias). Bogotá, Colombia.
1995	Effect of the relaxation of plant species in Gorgona Island and its implication to island biogeography. Fundación para la promoción de la investigación de la ciencia y la tecnología. Banco de la República. Bogotá, Colombia.

Publications

1. Yockteng R, Chies T, Coppens d'Eeckenbrugge G. *Passiflora*. In: Kole, C. Wealth of Wild Species: Genetic, Genomic and Breeding Resources. Springer-Verlag Series. In press.
2. Hood ME, Mena-Alí JI, Gibson AK, Oxelman B, Giraud T, Yockteng R, Arroyo MTK, Conti F, Pedersen, A., Gladieux P, Antonovics J. 2010. Distribution of the anther-smut pathogen *Microbotryum* on species of the Caryophyllaceae. *New Phytologist* 187: 217-229.
3. Aguilera G, Lengelle J, Marthey S, Chiapello H, Rodolphe F, Gendraud-Jacquemard A., Yockteng R, Vercken E, Devier B, Fontaine MC, Wincker P, Dossat C, Cruaud C, Couloux A, Giraud T. 2010. Finding candidate genes under positive selection in non-model species: examples of genes involved in host specialization in pathogens. *Molecular Ecology* 19: 292–306.
4. Aguilera G, Refrégier G, Yockteng R, Fournier, E, Giraud, T. 2009. Rapidly evolving genes in pathogens: methods for detecting positive selection and examples among fungi, bacteria, viruses and protozoa. *Infection, Genetics and Evolution* 9: 656–670.
5. Refrégier G, Le Gac M, Jabbour F, Widmer A, Shykoff JA, Yockteng R, Hood ME, Giraud T. 2008. Cophylogeny of the Anther Smut Fungi and their Caryophyllaceous Hosts: Prevalence of Host Shifts and Importance of Delimiting Parasite Species for Inferring Cospeciation. *BMC Evolutionary Biology* 8:100.
6. Giraud T, Yockteng R, López-Villavicencio M, Refrégier G, Hood ME. 2008. The mating system of the anther smut fungus, *Microbotryum violaceum*. *Eukaryotic cell* 7(5).
7. Yockteng R. 2008. La systématique moderne. En: Origine de plantes. Capítulo 33. Editions Fayard. France.
8. Giraud T, Yockteng R, Marthey S, Chiapello H, Jonot O, Lopez-Villavicencio M De Vienne DM, Hood ME, Refregier G, Gendraud A, Wincker P, Dossat C. 2008. Isolation of 60 polymorphic microsatellite loci in EST libraries of four sibling species of the phytopathogenic fungal complex *Microbotryum*. *Molecular Ecology Notes*: 387-392.
9. Yockteng R, Marthey S, Chiapello H, Gendraud A, Hood ME, Rodolphe F, Devier B, Wincker P, Dossat C, Giraud T. 2007. Expressed sequences tags of the anther smut fungus, *Microbotryum violaceum*, identify mating and pathogenicity genes. *BMC Genomics* 2007, 8:272
10. Malécot V, Marcussen T, Munzinger J, Yockteng R, Henry M. 2007. On the origin of the sweet-smelling *Parma* Violets cultivars: wide intraspecific hybridization, sterility and sexual reproduction. *American Journal of Botany* 94(1): 29–41.
11. Ricroch A, Yockteng R, Brown SC, Nadot S. 2005. Evolution of genome size across cultivated *Allium* species. *Genome* 48(3): 511-520.
12. Souza-Chies TT, Yockteng R, Nadot S. 2005. La systématique moléculaire du genre *Passiflora* L. (Passifloraceae) basée sur la comparaison de données obtenues en France et au Brésil. *Cahiers Agricultures* 14(2): 209-215.
13. Yockteng R, Nadot S. 2004. Phylogenetic relationships among *Passiflora* species based on the Glutamine Synthetase nuclear gene expressed in chloroplast (ncpGS). *Molecular Phylogenetics and Evolution* 31(1): 379-396.
14. Yockteng R, Nadot S. 2004. Infrageneric phylogenies: a comparison of chloroplast-expressed glutamine synthetase, cytosol-expressed glutamine synthetase and cpDNA maturase K in *Passiflora*. *Molecular Phylogenetics and Evolution* 31(1): 397-402.

15. Yockteng R, Ballard H, Mansion G., Dajoz I., Nadot S. 2003. Phylogenetic relationships among pansies (*Viola* section *Melanium*) investigated using ITS and ISSR markers. *Plant Systematics and Evolution* 241: 153-170.
16. Madden M, Salo WL, Streitz J, Aufderheide AC, Fornaciari G, Jaramillo C, Vallejo GA Yockteng R, Arriaza B., Cárdenas-Arroyo F, Guhl F. 2001. Hybridization Screening of Very Short PCR Products for Paleoepidemiological Studies of Chagas' Disease. *Short Technical Reports, BioTechniques* 30: 102-109.
17. Guhl F, Jaramillo C, Vallejo G, Yockteng R, Cárdenas-Arroyo F, Fornaciari G, Arriaza B, Aufderheide AC. 1999. Isolation of *Trypanosoma cruzi* DNA in 4,000-year-old mummified human tissue from northern Chile. *American Journal of Physical Anthropology* 108: 401-407.
18. Yockteng R, Cavelier J. 1998. Riqueza y mecanismos de dispersión de árboles de la Isla Gorgona y de los bosques húmedos tropicales del pacífico colombo-ecuatoriano. *Revista de Biología Tropical* 46(1):45-53.
19. Guhl F, Jaramillo C, Yockteng R, Vallejo G,, Cárdenas-Arroyo F. 1997. *Trypanosoma cruzi* in human mummies. *The Lancet* 349 (9062):1370.

Thesis and dissertation

1. Yockteng R. 2003. Phylogénies: outils pour l'étude de l'histoire évolutive des organismes. L'exemple des pensées (genre *Viola* L.) et des passiflores (genre *Passiflora* L.). PhD Dissertation. University Paris XI, Orsay, France.
2. Yockteng R. 1999. Evaluación a través de marcadores moleculares (RAPD's) del origen híbrido de la mariposa *Heliconius heurippa* (Lepidoptera: Nymphalidae). MSc Thesis Biology. University de los Andes. Bogotá, Colombia.
3. Yockteng R. 1996. Efecto de la relajación de especies vegetales de la Isla Gorgona y sus implicaciones para la biogeografía de islas. BSc Thesis Biology. University de los Andes. Bogotá, Colombia.