

## Tanjona H. Ramiadantsoa

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INFORMATION Madison, WI 53706 USA ramiadantsoa@wisc.edu

EDUCATION **University of Wisconsin-Madison**, Madison, WI, USA

Postdoc., Department of Zoology, 2016-2018

- Topics: *Abrupt Changes in Ecological Systems (ACES)*
- Advisors: Monica Turner, Prof. Anthony Ives, Prof. Steve Carpenter, Prof. John Williams, Prof. Chris Kucharick, Associate Prof.

**University of Minnesota**, Twin Cities, USA

Postdoc., Department of Ecology, Evolution, and Behavior, 2014-2016

- Topics: *Insect physiology, energy budget model, and phylogenetic comparative methods*
- Advisors: Emma Goldberg, Assistant Professor

**University of Helsinki**, Helsinki, Finland

Ph.D., Ecology and Evolutionary Biology, November 2015

- Thesis title: *Spatial processes in evolution, ecology and implications for conservation*
- Advisors: Otso Ovaskainen, Prof. and Ilkka Hanski, Prof.

**University of Antananarivo**, Madagascar

M.Sc., Combinatorics, April 2010

- Topic: *Flag major index on colored permutation group*
- Advisor: Arthur Randrianarivony, Prof.

B.Sc., Numerical Analysis, Decembre 2007

CONFERENCE **Ecological Society of America annual meeting 2016**

Fort Lauderdale, FL, USA. 7-12 August 2016

Speaker

**Midwest Mathematical Biology Conference**

La Crosse, WI, USA. 21-22 May 2016

Speaker

**International Prosimian Congress**

Ranomafana, Madagascar. 7-12 August 2016

WORKSHOPS **Dynamics and Differential Equations**

Minneapolis, MN, USA. 22-25 June 2016

Organizers: Michael Jolly (Indiana U), Peter Polacik (U of Minnesota, Twin Cities), Geneviève Raugel (U de Paris XI), Roger Temam (Indiana U), Edriss Titi (Texas A & M U), Yingfei Yi (U of Alberta)

**Mathematics for an Evolving Biodiversity**

Montréal, Canada. 16-20 September 2013

Organizers: Jonathan Davies (McGill), Amaury Lambert (UMPC Paris 6), Nicolas Lartillot (Montréal)

**Qualitative Behaviour of Stochastic Systems and Applications**

Bielefeld, Germany. 18-20 June 2012

Organizers: Leonid Bogachev (Leeds, GBR), Benjamin Bolker (Hamilton, CAN), Yuri Kondratiev (Bielefeld, GER), Otso Ovaskainen (Helsinki, FIN)

**Stochastic Demography in Fluctuating Environments: Theory and Empirical Patterns**

Lovund, Norway. 23-27 April 2012

Organizers: Norwegian University of Science and Technology, Centre for Conservation Biology

**Assessing the Impacts of Climate Change on Madagascar's Biodiversity and Livelihoods**

Antananarivo, Madagascar. 28-31 January 2008

Organizers: Conservation International, WWF, WCS and USAID

**Species Distribution Modeling: Methods for Conservation Biologists**

Antananarivo, Madagascar. 21-25 January 2008

Organizers: ReBioMa and University of Berkeley, California

EXTERNAL  
COURSES

**Issues in Diversity**

Oulu, Finland. 3-7 September 2012

Organizer: University of Oulu

**Theory of Speciation: Helsinki Summer School 2012**

Turku, Finland. 19-26 August 2012

Organizers: Biomathematics Group, University of Helsinki

**Markov Chain Stability and Applications: 22nd Jyväskylä Summer School**

Jyväskylä, Finland. 13-17 August 2012

Organizer: Faculty of Mathematics and Science and the Faculty of Information Technology at the University of Jyväskylä

**Stochastic Differential Equations**

Lammi, Finland. 25-27 September 2010

Organizers: Finnish Doctoral Programme in Computational Sciences and National Graduate School in Materials Physics

**Study abroad Madagascar**

Ranomafana, Madagascar. September-November 2007

Organizers: SUNY Stony Brook University

REFEREED  
JOURNAL  
PUBLICATIONS

1. **Ramiadantsoa, T.**, Ovaskainen, O., Rybicki J., Hanski, I., "Large-Scale Habitat Corridors for Biodiversity Conservation: A Forest Corridor in Madagascar." *PLoS ONE*, 10(7): e0132126, 2015
2. **Ramiadantsoa, T.**, Sirén, J., Hanski, I. "Phylogenetic comparative method for geographical radiation." Accepted for *Annales Zoologica Fennici* (special issue in honor of Ilkka Hanski)

PRESENTATIONS	Biological Colloquium, University of Wisconsin-Madison	2017
	Annual Meeting ESA, Fort Lauderdale, Florida	2016
	Evolution Seminar, University of Minnesota	2014
	Spring Symposium, Helsinki	2011, 2012, 2014
	Biomathematics Day, Helsinki	2012, 2013
	Interview and appearance in the journal <i>Finlands natur</i>	2010
	Seminar at the American Embassy, Antananarivo	2007
TEACHINGS AND EXPERIENCES	Organizing committee	December 2016
	$E^2M^2$ : Ecological and Epidemiological Modeling in Madagascar	
	Centre ValBio, Ranomafana, Madagascar	
	Organizing committee	January 2014
	Introduction to Mathematical Ecology	
	University of Antananarivo, Madagascar	
	Organizing committee	March 2012
	Spring Symposium	
	University of Helsinki, Finland	
	Teaching Assistant	Fall 2011-2012
	Reserve Planning in the Tropics	
	Instructor: Mar Cabeza, Ph.D.	
Centre ValBio, Ranomafana, Madagascar		
Lecturer and Mentor	Fall 2011-2013	
Conservation Biology in Fragmented Landscapes		
Topics: Extinction, Spatially Realistic Metapopulation Models		
University of Helsinki, Finland		
Field Assistant	Spring 2013	
Dung beetles survey		
Mulu National Park, Borneo		
Field Assistant	Fall 2010	
Wood-decaying fungi survey		
Sundsvall, Sweden		
GRANTS	Institute on the Environment (IonE)	2015
	Using experiments to root mathematical models of environmental niches	
PEER REVIEWING	Oikos, Population Ecology, Journal of Applied Ecology, Plos ONE	
COMPUTER SKILL	C++, R, Mathematica, $\LaTeX$ , GitHub, ArcMap.	
LANGUAGE SKILL	Malagasy: Native	
	French: Fluent	
	English: Fluent	