

Tanjona H. Ramiadantsoa

CONTACT 430 Lincoln Dr, Office 436 + 1 608 265-8001
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 Univeristy of Berkley, 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 Book 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

SUBMITTED AND
IN
PREPARATIONS

1. **Ramiadantsoa, T.**, Hanski, I., Ovaskainen, O. "Responses of Generalist and Specialist Species to Fragmented Landscapes." Under review for *Oikos*

2. **Ramiadantsoa, T.**, Sirén, J., Hanski, I. “Phylogenetic comparative method for geographical radiation.” Under review for *Annales Zoologica Fennici*
3. **Ramiadantsoa, T.**, Goldberg, E. “Exploring the role of body size in shaping thermal performance of insects.” In prep.

PRESENTATIONS	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	
COMPUTER SKILL	C++, R, Mathematica, L ^A T _E X, GitHub, ArcMap.	

LANGUAGE SKILL Malagasy: Native
 French: Fluent
 English: Fluent