

# Tanjona H. Ramiadantsoa

SCIENTIFIC DIRECTOR AND GRADUATE PROGRAM COORDINATOR · MADAGASCAR BIODIVERSITY CENTER

Parc Botanique et Zoologique Tsimbazaza, Antananarivo 101, Madagascar

☎ (+261) 34 43 352 24 | ✉ tanjona.ramiadantsoa@gmail.com | 🏠 August 14th, 1985 | 🏠 https://ramiadantsoa.github.io | 📱 ramiadantsoa | ORCID:

0000-0003-4689-0267

*“Theory at the service of conservation.”*

## Education

### University of Helsinki

*Helsinki, Finland*

PH.D. IN ECOLOGY AND EVOLUTIONARY BIOLOGY

*May. 2010 - Nov. 2015*

- Title: Spatial processes in ecology and evolution, and implications for conservation
- Advisors: Ilkka Hanski, Prof. & Otso Ovaskainen, Prof.

### University of Antananarivo

*Antananarivo, Madagascar*

M.SC. IN COMBINATORICS

*Jan. 2008 - Apr. 2010*

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

### University of Antananarivo

*Antananarivo, Madagascar*

B.SC. IN NUMERICAL ANALYSIS

*Dec. 2004 - Dec. 2007*

## Appointments

### Madagascar Biodiversity Center

*Antananarivo, Madagascar*

SCIENTIFIC DIRECTOR & GRADUATE PROGRAM COORDINATOR

*Mar. 2022 - Present*

- Topic: Training the next generation of Malagasy scientists

### University of Montpellier

*Montpellier, France*

POSTDOC. IRD-MIVEGEC

*Dec. 2020 - Dec. 2021*

- Topic: Supporting responses to COVID-19 epidemic in Africa
- Advisors: Benjamin Roche, Associate Prof.

### University of Fianarantsoa

*Fianarantsoa, Madagascar*

LECTURER. DEPARTMENT OF LIFE SCIENCE

*Aug. 2019 - Mar. 2022*

- MSc Supervisor & teaching

### University of Wisconsin-Madison

*Madison, WI, USA*

POSTDOC., DEPARTMENT OF INTEGRATIVE BIOLOGY

*Oct. 2016 - Jul. 2019*

- Topic: Abrupt Changes in Ecological Systems (ACES)
- Advisors: Monica Turner, Prof. Anthony Ives, Prof.

### University of Minnesota-Twin Cities

*Twin Cities, MN, USA*

POSTDOC., DEPARTMENT OF ECOLOGY, EVOLUTION, AND BEHAVIOR

*Nov. 2014 - Sep. 2016*

- Topic: Energy budget models and phylogenetic comparative methods
- Advisor: Emma Goldberg, Assistant Professor

## Research interests

Theoretical ecology, Statistics, Landscape ecology, Biogeography, Conservation biology, Resilience, Madagascar

## Peer review

Bioscience, Conservation Letters, Ecology, Epidemics, Folia Primatologica, Functional Ecology, Global Ecology and Biogeography, International Journal of Infectious Diseases, International Journal of Primatology, Journal of Animal Ecology, Journal of Applied Ecology, Nature, npj Biodiversity, Oikos, Plos ONE, Population Ecology, National Science Foundation, The American Naturalist, ZooKeys

1. Phelps, L. N., Razanatsoa, E., Davis, D., Hackel, J., Rasolondrainy, T., Tiley, G. P., ..., Ramiadantsoa, T., ..., Vorontsova, M. S., Douglass, K. & Lehmann, C. (2025). Advancing transdisciplinary research on grassy biomes to support resilience in ecosystems and livelihoods. In press **Ecological Monographs**
2. Kostandova, N., Schluth, C., ..., Ramiadantsoa, T., ..., Cummings, D. A. T., & Wesolowski, A. (2024). A systematic review of using population-level human mobility data to understand SARS-CoV-2 transmission. **Nature Communications**, 15(1), 10504. <https://doi.org/10.1038/s41467-024-54895-7>
3. Rakotondrasoa, J. F., Ramiadantsoa, T., Becker, L. J., Ravelomanana, A., Van Itterbeeck, J., Hugel, S. & Fisher, B. L. (2024). Education: an efficient tool to increase the willingness of children to consume farmed cricket in Madagascar. **Journal of Insects as Food and Feed**, 11(3), 455-468. <https://doi.org/10.1163/23524588-00001130>
4. Rasoarimalala, N. F., Ramiadantsoa, T., Rakotonirina, J. C. & Fisher, B. L. (2024). Linear Morphometry of Male Genitalia Distinguishes the Ant Genera *Monomorium* and *Syllophopsis* (Hymenoptera: Formicidae) in Madagascar. **Insects**, 15(8), 605. <https://doi.org/10.3390/insects15080605>
5. Solofondranohatra, C. L., Andrianorofoa, C. T. O., Ramiadantsoa, T., Ravelomanana, A., Ramanampamonjy, R. N., Hugel, S. & Fisher, B. L. (2024). Effect of Cricket Frass Fertilizer on growth and pod production of green beans (*Phaseolus vulgaris* L.). **Plos one**, 19(5), e0303080. <https://doi.org/10.1371/journal.pone.0303080>
6. Ramiadantsoa, T., Ratajczak, Z. & Turner, M. G. (2023). Regeneration strategies and forest resilience to changing fire regimes: insights from a Goldilocks model. **Ecology**, 104(6), e4041. <https://doi.org/10.1002/ecy.4041>
7. Evans, M. V., Ramiadantsoa, T., ... & Roche, B. (2023). Sociodemographic Variables Can Guide Prioritized Testing Strategies for Epidemic Control in Resource-Limited Contexts. **The Journal of Infectious Diseases**, 228(9), 1189-1197. <https://doi.org/10.1093/infdis/jiad076>
8. Twombly, S., Hastings, A., Miller, T., Cortez, M., Abbott, K., Ramiadantsoa, T., Blackwood, J., & Prosper, O. (2022). New Theory for Increasingly Tangled Banks. **Issues in Science and Technology**, 38(4), 39-44
9. Rasambainarivo, F., Ramiadantsoa, T., Raherinandrasana, A., Randrianarisoa, S., Rice, B. L., Evans, M. V., Roche, B., Randriatsarafara, F. M., Wesolowski, A. & Metcalf, J. C. (2022). Prioritizing COVID-19 vaccination efforts and dose allocation within Madagascar. **BMC Public Health**, 22(1), 724. <https://doi.org/10.1186/s12889-022-13150-8>
10. Ramiadantsoa, T., Metcalf, C. J. E., Raherinandrasana, A. H., Randrianarisoa, S., Rice, B. L., Wesolowski, A., Randriatsarafara, F. M. & Rasambainarivo, F. (2022). Existing human mobility data sources poorly predicted the spatial spread of SARS-CoV-2 in Madagascar. **Epidemics**, 38, 100534. <https://doi.org/10.1016/j.epidem.2021.100534>
11. Perrotti, A. G., Ramiadantsoa, T., O'Keefe, J. & Otaño, N. N. (2022). Uncertainty in coprophilous fungal spore concentration estimates. **Frontiers in Ecology and Evolution**, 10, 1086109. <https://doi.org/10.3389/fevo.2022.1086109>
12. Culbertson, K. A., Treuer, T. L. H., Mondragon-Botero, A., Ramiadantsoa, T. & Reid, J. L. (2022). The eco-evolutionary history of Madagascar presents unique challenges to tropical forest restoration. **Biotropica**, 54(4), 1081-1102. <https://doi.org/10.1111/btp.13124>
13. Rice, B. L., Annapragada, A., Baker, R. E., Bruijning, M., Dotse-Gborgbortsi, W., Mensah, K., Miller, I. F., Motaze, N. V., Raherinandrasana, A., Rajeev, M., Rakotonirina, J., Ramiadantsoa, T., Rasambainarivo, F., Yu, W., Grenfell, B. T., Tatem, A. J. & Metcalf, C. J. E. (2021). Variation in SARS-CoV-2 outbreaks across sub-Saharan Africa. **Nature Medicine**, 27(3), 447-453. <https://doi.org/10.1038/s41591-021-01234-8>
14. Rasambainarivo, F., Rasoanomenjanahary, A., Rabarison, J. H., Ramiadantsoa, T., Ratovoson, R., Randremananana, R., Randrianarisoa, S., Rajeev, M., Masquelier, B., Heraud, J. M., Metcalf, C. J. E. & Rice, B. L. (2021). Monitoring for outbreak-associated excess mortality in an African city: Detection limits in Antananarivo, Madagascar. **International Journal of Infectious Diseases**, 103, 338-342. <https://doi.org/10.1016/j.ijid.2020.11.182>
15. Ramiadantsoa, T. & Solofondranohatra, C. L. (2021). Nontrivial responses of vegetation to compound disturbances: A case of Malagasy grassland. **Malagasy Nature**, 15, 29-40

16. McCary, M. A., Phillips, J. S., Ramiadantsoa, T., Nell, L. A., McCormick, A. R. & Botsch, J. C. (2021). Transient top-down and bottom-up effects of resources pulsed to multiple trophic levels. **Ecology**, 102(1). <https://doi.org/10.1002/ecy.3197>
17. Kucharik, C. J., Ramiadantsoa, T., Zhang, J. & Ives, A. R. (2020). Spatiotemporal trends in crop yields, yield variability, and yield gaps across the USA. **Crop Science**, 60(4), 2085-2101. <https://doi.org/10.1002/csc2.20089>
18. Ramiadantsoa, T., Stegner, M. A., Williams, J. W. & Ives, A. R. (2019). The potential role of intrinsic processes in generating abrupt and quasi-synchronous tree declines during the Holocene. **Ecology**, 100(2). <https://doi.org/10.1002/ecy.2579>
19. Ratajczak, Z., Carpenter, S. R., Ives, A. R., Kucharik, C. J., Ramiadantsoa, T., Stegner, M. A., Williams, J. W., Zhang, J. & Turner, M. G. (2018). Abrupt Change in Ecological Systems: Inference and Diagnosis. **Trends in Ecology & Evolution**, 33(7), 513-526. <https://doi.org/10.1016/j.tree.2018.04.013>
20. Ramiadantsoa, T., Hanski, I. & Ovaskainen, O. (2018). Responses of generalist and specialist species to fragmented landscapes. **Theoretical Population Biology**, 124, 31-40. <https://doi.org/10.1016/j.tpb.2018.08.001>
21. Ihantamalala, F. A., Rakotoarimanana, F. M. J., Ramiadantsoa, T., Rakotondramanga, J. M., Pennober, G., Rakotomanana, F., Cauchemez, S., Metcalf, C. J. E., Herbreteau, V. & Wesolowski, A. (2018). Spatial and temporal dynamics of malaria in Madagascar. **Malaria Journal**, 17(1), 58. <https://doi.org/10.1186/s12936-018-2206-8>
22. Ramiadantsoa, T., Sirén, J. & Hanski, I. (2017). Phylogenetic Comparative Method for Geographical Radiation. **Annales Zoologici Fennici**, 54(1-4), 237-257. <https://doi.org/10.5735/086.054.0121>
23. Ramiadantsoa, T., Ovaskainen, O., Rybicki, J. & Hanski, I. (2015). Large-Scale Habitat Corridors for Biodiversity Conservation: A Forest Corridor in Madagascar. **Plos one**, 10(7), e0132126. <https://doi.org/10.1371/journal.pone.0132126>

## Submitted and in prep.

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1. Solofondranohatra, C., Ramiadantsoa, T., Hugel, S. & Fisher, B. L. Black soldier fly frass fertilizer outperform traditional fertilizers in terms of plant growth in restoration in Madagascar. Submitted to Sustainability.
2. Ramiadantsoa, T., Hugel, S., & Fisher, B. L. Bridging the research gap: a transformative training model for scientists in Madagascar. In prep. for Plos Sustainability and Transformation.
3. Ramiadantsoa, T., Mansoni, A., Rakotovaio K. E. P., Rakotoniana, M. M., Rakotonirina, J. C., Smargiassi, S., Palchetti, E., Santini, G., & Fisher, B. L. From grasslands to croplands: impacts of intensive agriculture on ant assemblages in Madagascar. In prep. for Agriculture, Ecosystems & Environment.
4. Ramiadantsoa, T., Amady, A., Phillipart, M., Tombozara, M, ..., Lucas, V. Optimizing maize and soybean yield using Black soldier fly frass fertilizer. In prep.
5. Ramiadantsoa, T., Nantenaina, R. H., Rakotoniaina, H. J., Rakotonirina, H., Rakouth, H., Ramahanderson, A. T., Ramananjato, V., Randimbarison, F., Raselimanana, M., Razafimandimby, D. N. & Temba, E. M. Biodiversity decline in Madagascar: the elephant in the room? In prep for Biotropica.
6. Ramiadantsoa, T. & Ives, A. R. Shaky ball vs. shaky cup: relationships between characteristic return and stability in variable environments. In prep for Ecology Letters.

## Grants

2025–26	<b>Mastercard Foundation and University of Cambridge Climate Resilience and Sustainability Research Fund</b> , Unravelling reptilism with Malagasy Honey-pot Ants. coPI with Adria LeBoeuf - University of Cambridge	£19 998
2023–25	<b>Darwin Initiative</b> , Protecting Biodiversity by improving community wellbeing in Southeast Madagascar. PI Sakib Burza - Health in Harmony	£493 018
2023	<b>Global Faculty Award, University of Chicago</b> , A quantitative biology training program for students from Madagascar. PI Cara Brook - University of Chicago	\$ 29 998
2022–25	<b>U.S. National Science Foundation, BCS</b> , Collaborative Research: Mapping the materiality of past human responses to climate change. PI Kristina Douglass - University of Columbia	\$ 371 187
2020	<b>Ecologists in Africa, British Ecological Society</b> , How pristine are grasslands in Madagascar? Reconstructing vegetations of the central highlands before and after human settlements	£7 801
2019	<b>HiLIFE BIORESILIENCE, University of Helsinki</b> , Beyond the species-area relationship: theoretical advances and empirical testing	\$ 12 000
2015	<b>Institute on the Environment (IonE), University of Minnesota</b> , Using experiments to root mathematical models of environmental niches	\$ 2 000

## Presentations

### University of Hohenheim

ECOLOGY COLLOQUIUM

- Goldilocks model to infer disturbance-niche

Virtual

Nov. 2022

### California Academy of Sciences

SEMINAR

- Goldilocks models in Ecology and Evolution

San Francisco, CA, USA

Aug. 2022

### Ecological Society of America (ESA) & Canadian Society for Ecology and Evolution (CSEE)

JOIN ANNUAL MEETING

- Density-dependence and stability in stochastic environments: Shaky-ball vs. shaky-bowl

Montréal, Québec, Canada

Aug. 2022

### University of Sherbrooke

ECOLOGY SEMINAR

- Ecological patterns: stochasticity is more than just noise

Sherbrooke, Québec, Canada

Aug. 2022

### Duke University

ECOLOGY SEMINAR

- Puzzles in Madagascar: what does math say?

Virtual

Sep. 2021

### Kansas State University

ECOLOGY SEMINAR

- Biodiversity paradox and puzzles in Madagascar

Virtual

Apr. 2021

### University of Helsinki

RESEARCH CENTER FOR ECOLOGICAL CHANGE (REC) SEMINAR

- Importance of randomness and variability in ecology?

Helsinki, Finland

Mar. 2020

### Finnish Institute for the Environment (SYKE)

WEEKLY SEMINAR

- Comparing education, research, and cultures in Europe, United States and Madagascar from a Malagasy perspective

Helsinki, Finland

Mar. 2020

### Institut Pasteur de Madagascar (IPM)

FINAL SYMPOSIUM E2M2

- Diversification des insectes bousiers à Madagascar

Antananarivo, Madagascar

Jan. 2020

### Association for Tropical Biology and Conservation (ATBC)

ANNUAL CONFERENCE

- Community dynamics in stochastic environments and implications for biodiversity conservation

Antananarivo, Madagascar

Aug. 2019

### Ecological Society of America (ESA)

ANNUAL MEETING

- Developing Goldilocks models to understand ecological responses to extreme events: fire and trees in Yellowstone National Park

New Orleans, LO, USA

Aug. 2018

## Institut Pasteur de Madagascar (IPM)

SEMINAR

- Importance of large scale habitat corridor for biodiversity conservation

*Antananarivo, Madagascar*

Jan. 2018

## Ecological Society of America (ESA)

ANNUAL MEETING

- Community-level modeling of abrupt changes in paleoforests

*Portland, OR, USA*

Aug. 2017

## University of Wisconsin-Madison

BIOLOGICAL COLLOQUIUM

- A generalist approach to niche specialization

*Madison, WI, USA*

Mar. 2017

## Kellog Biological Station

SEMINAR

- Species' responses to habitat destruction

*Kellog, MI, USA*

Aug. 2016

## Ecological Society of America (ESA)

ANNUAL MEETING

- Exploring the potential of energy budget models and body size in determining species' niche

*Fort Lauderdale, FL, USA*

Aug. 2016

## Midwest Mathematical Biology

CONFERENCE

- Exploring the potential of energy budget models and body size in determining species' niche

*La Crosse, WI, USA*

May. 2016

## University of Minnesota

EVOLUTION SEMINAR

- Phylogenetic inference of geographical radiation

*Twin cities, MN, USA*

Apr. 2014

## University of Helsinki

SPRING SYMPOSIUM

- The efficiency of a habitat corridor between two large national parks in Madagascar

*Helsinki, Finland*

Mar. 2014

## University of Helsinki

SPRING SYMPOSIUM

- Geographical radiation in Malagasy dung beetles

*Helsinki, Finland*

Mar. 2013

## University of Helsinki

BIOMATHEMATICS DAY

- Model of evolutionary radiation and geographical range dynamics applied to Malagasy dung beetles

*Helsinki, Finland*

Oct. 2013

## University of Helsinki

BIOMATHEMATICS DAY

- Parsimonious mechanisms behind community- level patterns

*Helsinki, Finland*

Apr. 2012

## University of Helsinki

SPRING SYMPOSIUM

- Competitive species communities in spatially heterogeneous habitats

*Helsinki, Finland*

Mar. 2011

## US Embassy

STUDY ABROAD SEMINAR

- Deforestation in Ambodiaviav community forest

*Antananarivo, Madagascar*

Nov. 2007

## Outreach

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### Ilkka Hanskin Luontoverkko

BLOG ON THE LEGACY OF ILKKA HANSKI

- Beyond measurable legacies

*Finland*

August 2020

### Direction Regional de l'Education Nationale, Matsiatra Ambony

SENSIBILIZATION TO PURSUE GRADUATE STUDY

*Madagascar*

August 2020

### ExplorerHome Madagascar

ASK A SCIENTIST: MATHEMATICS AND ECOLOGY

- Video link

*Madagascar*

July 2020

## Consultant for Radio France Internationale

UNDERSTANDING EVOLUTION OF COVID 19 IN MADAGASCAR

[Madagascar](#)

July 2020

## University of Wisconsin-Madison

INTERVIEW AND APPEARANCE IN THE UW-MADISON NEWS

[Madison, WI, USA](#)

June 2019

- From Helsinki to Minneapolis to Madison, scientist gives back in Madagascar by Kelly Tyrell

## Ecole B.I.R.D. Antananarivo

THE LIFE OF A SCIENTIST AND RESEARCHER

[Antananarivo, Madagascar](#)

January 2018

- Half a day seminar organized by T. Ramiadantsoa and N. Ratsimbason

## University of Minnesota-Twin Cities

GIRLS SOLVE IT

[Twin Cities, MN, USA](#)

June 2017

- Introduction to Mathematical Biology

## University of Wisconsin-Madison

UW SCIENCE EXPEDITIONS

[Madison, WI, USA](#)

April 2017

- Holding the ecology stand during UW-Madison open house

## Ecole B.I.R.D. Antananarivo

WHAT IS THEORETICAL ECOLOGY?

[Antananarivo, Madagascar](#)

January 2013

- Half a day seminar organized by T. Ramiadantsoa and N. Ratsimbason

## Swedish speaking High school

INTRODUCTION TO MADAGASCAR

[Helsinki, Finland](#)

November 2011

- Half a day seminar

## Madagascar-Finland Association

FUNDRAISING TO HELPING UNDERPRIVILEGED STUDENTS IN MADAGASCAR

[Helsinki, Finland](#)

May 2010

## Finlands natur

INTERVIEW AND APPEARANCE IN THE JOURNAL FINLANDS NATUR

[Helsinki, Finland](#)

2010

# Teaching & Mentoring

## DEVELOPING COURSES

Apr–Jun  
2024

**Madagascar Biodiversity Center**, Introduction to frequentist statistics, open course

[Antananarivo,  
Madagascar](#)

2014–24

**Centre ValBio**, E2M2, Ecological and Epidemiological Modeling in Madagascar

[Ranomafana,  
Madagascar](#)

Dec 2023

**Madagascar Biodiversity Center**, Faux pas in CVs and Figures: Towards a successful publication, funding, and graduate school application with Benjamin Rice- Princeton University

[Antananarivo,  
Madagascar](#)

Oct–Nov  
2023

**Madagascar Biodiversity Center**, Programming in R, for L3 Biology students, University of Antananarivo

[Antananarivo,  
Madagascar](#)

Oct 2021

**CURSA**, Visualization and statistics with R

[Antalaha,  
Madagascar](#)

Mar 2021

**CURSA**, Critical thinking and introduction the life of academics

[Antalaha,  
Madagascar](#)

Nov 2019

**University of Fianarantsoa**, Applied statistics for ecologists

[Fianarantsoa,  
Madagascar](#)

Sep 2019

**University of Fianarantsoa**, Maths, stats, computer science: applications to ecology and conservation biology

[Fianarantsoa,  
Madagascar](#)

Jan 2014

**University of Antananarivo**, Introduction to Mathematical Ecology

[Antananarivo,  
Madagascar](#)

## INVITED LECTURER

Dec 2023	<b>Ecole Supérieure des Sciences Agronomiques</b> , Statistics, R, and R Studio	Antananarivo, Madagascar
Sep 2023	<b>Women Rise Wildlife Research</b> , Initiation à l'utilisation de RStudio pour la recherche scientifique	Antananarivo, Madagascar
Jun 2023	<b>ZaraHay</b> , Scientific poster presentation with Jadelys Tonos	Antananarivo, Madagascar
2021	<b>University of Antananarivo</b> , Data manipulation and visualization with R	Antananarivo, Madagascar
Nov 2020	<b>University of Antananarivo</b> , Introduction to R for graduate botany students	Antananarivo, Madagascar
Aug 2019	<b>University of Antananarivo</b> , Introduction to R	Antananarivo, Madagascar
Fall 2011–2012	<b>Reserve Planning in the Tropics</b> , Finnish study abroad	Centre ValBio, Ranomafana, Madagascar
Fall 2011–2013	<b>Conservation Biology in Fragmented Landscapes</b> , Extinction, Spatially Realistic Metapopulation Models	University of Helsinki, Finland

## Professional activities

### Workshop, University of Helsinki

BEYOND SPECIES-AREA RELATIONSHIP

Helsinki, Finland

January 2020

### Inspire session, ESA

UNDERSTANDING EXTREME EVENTS: LINKING EMPIRICAL OBSERVATION TO CONCEPTS AND THEORY

New Orleans, LO, USA

August 2018

### Spring Symposium, University of Helsinki

ANNUAL GRADUATE STUDENT BY THE FACULTY OF BIOSCIENCES

Helsinki, Finland

March 2012

## Field work

2017	<b>Grand Teton and Yellowstone National Parks</b> , Post fire forest regeneration (M. Turner, Prof.), summer	USA
2013	<b>Mulu National Park, Borneo</b> , Dung beetles survey (I. Hanski, Prof.), spring	Malaysia
2010	<b>Sundsvall</b> , Wood-decaying fungi survey (O. Ovaskainen, Prof.), fall	Sweden

## Professional services

2023	<b>Duke University internal grant</b> , Reviewing student's Applications for Duke Lemur Center
2019	<b>IkalaSTEM</b> , Review Applications for the competition essay on the role of women in science
2019–23	<b>BES</b> , Member of the British Ecological Society
2019	<b>ATBC</b> , Member of the Association for the Tropical Biology and Conservation
2016–	<b>ESA</b> , Student judge award, theory section
2016–22	<b>ESA</b> , Member of Ecological Society of America
2012–15	<b>SMS</b> , President of Suomi-Madagascar Seura (Finland-Madagascar Association)

## Workshops & Courses

### Beyond Species-Area Relationship

University of Helsinki. Organizers: Tanjona Ramiadantsoa (U of Fianarantsoa) and Mar Cabeza (U of Helsinki)

Helsinki, Finland

29–30 January 2020

### Advancing Ecological Theory

Pennsylvania State University. Organizers: Saran Twombly (NSF), Katriona Shea (Penn State U), Alan Hastings (U of Davis)

State College, PA, USA

23–25 October 2019



## Dynamics and Differential Equations

University of Minnesota, 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)

*Minneapolis, MN, USA*

22–25 June 2016

## Mathematics for an Evolving Biodiversity

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

*Montréal, Canada*

16–20 September 2013

## Qualitative Behaviour of Stochastic Systems and Applications

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

*Bielefeld, Germany*

18–20 June 2012

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

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

*Lovund, Norway*

23–27 April 2012

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

Organizers: Conservation International, WWF, WCS and USAID

*Antananarivo, Madagascar*

28–31 January 2008

## Species Distribution Modeling: Methods for Conservation Biologists

Organizers: ReBioMa and University of Berkeley, California

*Antananarivo, Madagascar*

21–25 January 2008

## EXTERNAL COURSES

### Issues in Diversity

Organizer: University of Oulu

*Oulu, Finland*

3–7 September 2012

### Theory of Speciation

Helsinki Summer School 2012. Organizers: Biomathematics Group, University of Helsinki

*Turku, Finland*

19–26 August 2012

### Markov Chain Stability and Applications

22nd Jyväskylä Summer School. Faculty of Mathematics and Science and the Faculty of Information Technology

*Jyväskylä, Finland*

13–17 August 2012

### Stochastic Differential Equations

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

*Lammi, Finland*

13–17 August 2012

### Study abroad Madagascar

Organizer: SUNY Stony Brook University

*Ranomafana, Madagascar*

September–November 2007