

# Curriculum Vitae: Fanomezantsoa Jean-Luc RAHARISON

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## Education

- Present Pr paration de Doctorat: "Influences des parasites intestinales sur la conservation de Propit heque   Diad me (*Propithecus diadema* ssp) dans la for t class  de Tsinjoarivo"  
Animal Biology Department, Animal Conservation  
Faculty of Sciences, University of Antananarivo, Madagascar
- 2002 Dipl me des Etudes Approfondies (DEA), "Adaptations Strat giques de *Hapalemur griseus griseus* (Link, 1795) Selon les Conditions du Milieu dans le Parc National de Ranomafana"  
Animal Biology Department, Animal Conservation  
Faculty of Sciences, University of Antananarivo, Madagascar
- 1998 Ma trise de recherche, Sciences Biologiques Appliqu es  
Animal Biology Department, Animal Conservation  
Faculty of Sciences, University of Antananarivo, Madagascar
- 1996 Licence d'Enseignement en Sciences Naturelles  
Faculty of Sciences, University of Antananarivo, Madagascar
- 1992-1994 Dipl me Universitaire en Sciences Naturelles.  
Faculty of Sciences, University of Antananarivo, Madagascar

## Publications

- Irwin MT, **Raharison JL**, Wright PC (in press) Spatial and temporal variability in predation on rainforest primates: Do forest fragmentation and predation act synergistically? *Animal Conservation*.
- Blanco MB, Godfrey LR, Rakotondratsima M, Rahalivarivo V, Samonds KE, **Raharison JL**, Irwin MT (2009) Discovery of sympatric dwarf lemur species in the high-altitude rainforest of Tsinjoarivo, eastern Madagascar: Implications for biogeography and conservation. *Folia Primatologica*. DOI:10.1159/000173716.
- Wright PC, Johnson SE, Irwin MT, Jacobs R, Schlichting PE, Lehman SM, Louis EE, Arrigo-Nelson SJ, **Raharison JL**, Rafalirarison RR, Razafindratsita V, Ratsimbazafy J, Ratelolahy FJ, Dolch R, Tan C (2008) The crisis of the critically endangered greater bamboo lemur (*Prolemur simus*). *Primate Conservation*.
- Irwin MT, **Raharison JL**, Rakotoarimanana H, Razanadrakoto E, Ranaivoson E, Rakotofanala J, Randrianarimanana C (2007) Diademed sifakas (*Propithecus diadema*) use olfaction to forage for

the inflorescences of subterranean parasitic plants (Balanophoraceae: *Langsdorffia* sp., and Cytinaceae: *Cytinus* sp.). American Journal of Primatology 69:471-476.

Irwin MT, Samonds KE, **Raharison JL**, Wright PC (2004) Lemur latrines: Observations of latrine behavior in wild primates and possible ecological significance. Journal of Mammalogy, 85:420-427.

Irwin MT, Samonds KE, and **Raharison JL** (2001) A biological inventory of the lemur community of Réserve Spéciale de Kalambatritra, south-central Madagascar. Lemur News 6:24-28.

### Publications Submitted and in Preparation

Irwin MT, **Raharison JL** (submitted) A review of the parasites of the lemurs of Madagascar.

Irwin MT, **Raharison JL** (in prep.) Ecosystem in decay: Factors influencing primate species extinctions in forest fragments of Tsinjoarivo, Madagascar.

Irwin MT, Glander KE, **Raharison JL**, Samonds KE (in prep.) Effect of habitat and sex on body mass and morphometrics of diademed sifakas (*Propithecus diadema*).

Pomerantz JM, Irwin MT, **Raharison JL**, Wade SE, Glander KE (in prep.) Health assessment of free ranging diademed sifakas (*Propithecus diadema*) at Tsinjoarivo, eastern Madagascar.

### Abstracts of Meeting Presentations

Irwin MT, **Raharison JL** (2009) Ecosystem in decay: Factors influencing primate species extinctions in forest fragments of Tsinjoarivo, Madagascar. Annual Meeting of the American Association of Physical Anthropologists.

Irwin MT, **Raharison JL**, Wright PC (2008) Spatial and temporal variability in predation by *Cryptoprocta ferox* on sifakas in continuous and fragmented rainforest in Madagascar: Do forest fragmentation and predation act synergistically? Annual Meeting of the American Association of Physical Anthropologists.

Blanco MB, Godfrey LR, Rakotondratsima M, Samonds K, **Raharison JL**, Irwin MT (2008) Discovery of sympatric *Cheirogaleus* species in the high-altitude rainforest of Tsinjoarivo, eastern central Madagascar: Implications for biogeography and conservation. Annual Meeting of the American Association of Physical Anthropologists.

Blanco MB, Godfrey LR, Rakotondratsima M, Samonds K, **Raharison JL**, Irwin MT (2008) Clinging to the edge: Diversity of the genus *Cheirogaleus* in the high-altitude forests of Tsinjoarivo. Annual Meeting of the Northeast Anthropological Association (USA).

Irwin MT, **Raharison JL** (2006) Dietary and behavioral flexibility facilitates survival of diademed sifakas (*Propithecus diadema*) in forest fragments - at least in the short term. Annual Meeting of the International Primatological Society, 2006.

Samonds KE, Irwin MT, **Raharison JL** (2006) Promoting coexistence of sifakas and humans at Tsinjoarivo, eastern Madagascar: The impact of grass-roots education and conservation projects. Annual Meeting of the International Primatological Society, 2006.

Samonds KE, **Raharison JL**, Irwin MT (2005) Quantifying the positional behavior repertoire of diademed sifakas (*Propithecus diadema*), and comparisons between continuous and fragmented habitats. Annual Meeting of the American Society of Primatologists, 2005.

Irwin MT, Samonds KE, **Raharison JL**, Wright PC (2004) Lemur latrines: do “latrines” of wild primates function in inter-group olfactory communication? *American Journal of Physical Anthropology* 123(S38):118-119.

## Technical Reports

Irwin MT, **Raharison JL** (2005) Conserving threatened lemur populations at Tsinjoarivo, eastern central Madagascar: Extended regional distribution surveys and populations monitoring of “sadabe”, a newly-discovered sifaka (*Propithecus diadema* ssp. nov.). Antananarivo, Madagascar: Unpublished Report to CAFF/CORE, pp. 11

Irwin MT, **Raharison JL** (2003) Study of the ecology and behavior of “Sadabe”, a newly-discovered sifaka (*Propithecus diadema* ssp. nov), with observations and recommendations concerning conservation of the forests of Tsinjoarivo, Ambatolampy. Antananarivo, Madagascar: Unpublished Report to CAFF/CORE, pp 15.

Irwin MT, Samonds KE, Glander KE, and **Raharison JL** (2000) A census of the primate community of Tsinjoarivo (Ambatolampy), Madagascar, with observations of a previously undescribed sifaka, *Propithecus* sp. Antananarivo, Madagascar: Unpublished Report to ANGAP, pp. 10.

Irwin MT, Samonds KE, and **Raharison JL** (2000) A biological inventory of Réserve Spéciale de Kalambatritra, Madagascar, with Special Emphasis on Lemurs and Birds. Antananarivo, Madagascar: Unpublished Report to ANGAP, pp. 9.

## Research Experience and Fieldwork

### **June 2006-Present: Project Coordinator, Tsinjoarivo Forest Fragments Project.**

Collaborative research with Mitchell Irwin: managing field teams and co-ordinating data collection. Included 12 months of feces sample collection for studying lemur parasites and transmission between domestic and wild animals.

### **May 2001-2006: Research Assistant and Camp Manager, Tsinjoarivo Forest Fragments Project.**

Assisted PhD research of Mitchell Irwin, involving a 2-month census of 37 forest fragments and one continuous forest site, and a one-year study of the behavioral ecology of the diademed sifaka (*Propithecus diadema* ssp.) in fragmented and non-fragmented forests. Included an independent positional behavior project (Sept. 2003), and leading the regional distribution surveys in 2004-2005 and the reforestation initiative in 2005-2006.

**April-May 2001: Research Assistant, Study of Lepilemur Ecology at Ampijoroa.** Assisted Dr. Elke Zimmerman in capture, marking and behavioral follows of *Lepilemur edwardsi* at Ampijoroa.

**December 2000: Research Assistant, Primate Survey of Midongy-Sud National Park, Southeastern Madagascar.** Assisted Dr. Patricia Wright and ICTE research guides conduct a survey of the primates of Midongy-Sud National Park.

**July 2000: Research Assistant, Primate Survey of Tsinjoarivo Region, Eastern Madagascar.** As a student appointed by the Committee CAFF/CORE, I assisted a 7-member team in a census of primates in two remote sites southeast of Tsinjoarivo, Ambatolampy.

**June 2000: Research Assistant, Biological Inventory of Kalambatritra Special Reserve.** As a student appointed by the Committee CAFF/CORE, I assisted a 6-member team in a census of lemurs and birds at this extremely remote reserve in South Central Madagascar.

**1998-1999: Student investigator, Foraging Strategy of *Hapalemur griseus* in Ranomafana.** As a student appointed by the Committee CAFF/CORE, I assisted Ms. Christina Grassi in her study of *Hapalemur griseus griseus* at Ranomafana National Park. During August-September 1998 and February-March 1999, I designed and implemented data collection for my DEA degree.

## Grants and Scholarships

- 2008 **National Geographic Society Committee for Research and Exploration** (\$5,000): Supplemental Discretionary Funding. With Mitchell Irwin.
- 2007 **National Geographic Society Committee for Research and Exploration** (\$20,000): "Physiological Correlates of Habitat Degradation: A test with a Critically Endangered Primate". With Mitchell Irwin.
- 2007 **Field Research for Conservation Grant, St. Louis Zoo** (\$10,000): "Physiological correlates of habitat degradation: A test with a critically endangered primate, *Propithecus diadema*". With Mitchell Irwin
- 2006 **Research Grant, Margot Marsh Biodiversity Foundation** (\$20,000): "Building Corridors and Conserving Forests at Tsinjoarivo, Eastern Central Madagascar: A Reforestation Initiative to Link Forest Fragments and Monitor Lemur Populations". With Mitchell Irwin (renewal).
- 2005 **Research Grant, Margot Marsh Biodiversity Foundation** (\$19,000): "Building Corridors and Conserving Forests at Tsinjoarivo, Eastern Central Madagascar: A Reforestation Initiative to Link Forest Fragments and Monitor Lemur Populations". With Mitchell Irwin.
- 2004 **Research Grant, Margot Marsh Biodiversity Foundation** (\$17,000): "Conserving Threatened Lemur Populations at Tsinjoarivo, Eastern Central Madagascar: Extended Regional Distribution Surveys and Population Monitoring of Sadabe, a Newly-Discovered Sifaka (*Propithecus diadema* ssp. nov.)". With Mitchell Irwin.

## References

### Dr. Patricia C. Wright

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### Dr. Christina Grassi

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