

# RYAN S. ROTHMAN

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## ----- EDUCATION -----

- 2018 - PRESENT** **Stony Brook University** – Stony Brook, New York, USA  
Doctor of Philosophy in Anthropological Sciences  
Concentration in Biological Anthropology: Primate Behavioral Ecology
- 2016 – 2017** **Imperial College London** – Silwood Park Campus, Ascot, England, UK  
Master of Research (with Merit) in Tropical Forest Ecology
- 2012 – 2016** **University of St Andrews** – St Andrews, Scotland, UK  
Bachelor of Science (with Honours) in Zoology

## ----- THESES -----

- COMPLETED 2017** *Does Anthropogenic Disturbance Affect the Diversity and Size of Seeds Dispersed by Lemurs?* Master's Thesis: Department of Life Sciences, Imperial College London. Advised by Dr. Jason Hodgson (Imperial College London) and Dr. Patricia Wright (Stony Brook University).
- COMPLETED 2016** *An Analysis of African Bush Elephant (*Loxodonta africana*) Damage to Woody Plants in Balule Nature Reserve, Limpopo Province, South Africa.* Undergraduate Honours Thesis: School of Biology, University of St Andrews. Advised by Dr. Will Cresswell (University of St Andrews) and Laetitia Cronje (Campfire Academy / University of South Africa).

## ----- PUBLICATIONS -----

Greene, L. K., Clayton, J. B., **Rothman, R. S.**, Semel, B. P., Semel, M. A., Gillespie, T. R., Wright, P. C., Drea, C. M. (In Review). *Local habitat, not phylogenetic relatedness, predicts gut microbiome structure within frugivorous and folivorous lemur lineages.* Biology Letters.

## ---PRESENTATIONS (WITHOUT PUBLISHED ABSTRACT)---

**Rothman, R. S.**, Bueno, G., Andrianandrianina, L. H., Rovanianina, M., Hodgson, J. A., Wright, P. C. (2018). *Ring-Tailed Lemurs (*Lemur catta*) Broaden Their Niche in a Novel Rainforest Habitat.* International Primatological Society (IPS) 27<sup>th</sup> Annual Congress, United Nations Office, Nairobi, Kenya. (POSTER)

**Rothman, R. S.**, Andrianandrianina, L. H., Hodgson, J. A., Wright, P. C. (2017). *Ring-Tailed Lemurs Dispersing Seeds in a Novel Rainforest Habitat.* Lemur Ecology Symposium, Malagasy Primatological Society (MPS) Inaugural Congress, University of Toamasina, Toamasina, Atsinanana, Madagascar. (TALK)

## ----- GRANTS & AWARDS -----

**Stony Brook University IDPAS Travel Grant (Internal)** - \$300 (2019, Jan).

**Stony Brook University GSO RAP Travel Grant (Internal)** - \$500 (2018, Nov).

**Coup de Coeur Presentation Prize** – For favourite student oral presentation – Awarded by the Malagasy Primatological Society Executive Committee of Judges (2017, Dec).

## ----- RESEARCH EXPERIENCE -----

- April 2017**      **Pilot Study: Ivohibory Forest, Ivohibe, Ihorombe, Madagascar**  
I conducted this 10-day pilot study from Centre ValBio to this isolated rainforest fragment to collect faecal samples from ring-tailed lemurs to investigate if they are dispersing seeds in a novel rainforest habitat as they are known to do in dry forests.
- March – May 2017**      **Postgraduate Researcher: Centre ValBio Research Station – Ranomafana National Park, Ranomafana, Vatovavy-Fitovinany, Madagascar**  
I studied and collected faecal samples from four diurnal frugivorous lemur species across rainforest sites that differ in their level of anthropogenic disturbance for my MRes thesis on lemur seed dispersal ecology.
- Jan - Feb 2017**      **Imperial College London Postgraduate Ecology Field Course: Stability of Altered Forest Ecosystems (SAFE) Project – Kalabakan Forest Reserve & Maliau Basin Conservation Area, Sabah, Malaysian Borneo**  
This Imperial College London taught field course involved taxonomic ID of plants, vertebrates, and invertebrates, and hands-on experience in designing, collecting, and handling ecological, biogeochemical, and biodiversity data.
- Aug - Sept 2016**      **Data Analyst: Institute for the Conservation of Tropical Environments at Stony Brook University – Stony Brook, New York, USA**  
I was tasked to clean and manipulate large ecological datasets which scored both lemur and avian frugivory, and to prepare them for future use in *R Statistical Software*.
- July – Aug 2015**      **Research Internship: Campfire Academy – Balule Nature Reserve (Greater Kruger National Park), Hoedspruit, Limpopo, South Africa**  
I investigated the role of African elephants as ecosystem engineers in the bush. This data was collected for my BSc thesis project.
- Aug - Sept 2014**      **University of St Andrews Undergraduate Ecology Field Course: Orierton Field Centre – Pembrokeshire, Wales, UK**  
This University of St Andrews taught field course involved hands-on sampling and measuring of aquatic and terrestrial biodiversity, and the carrying-out of a mini research project.
- June 2014**      **Research Assistant: Tern Project – Great Gull Island, New York, USA**  
My duties included marking clutch numbers across the island, using cage traps at nest sites to capture and process the adult terns, and weighing and ringing chicks.
- Feb – April 2014**      **Lab Assistant: Evolution, Genes, and Genomics Group at the University of St Andrews – St Andrews, Scotland, UK**  
My tasks included breeding and sexing *Drosophila* fruit flies and testing for the presence of the *fruitless (fru)* gene through observational courtship experiments.
- June - July 2011**      **Research Assistant: Operation Wallacea and Wildlife & Ecological Investments – Welgevonden Game Reserve, Vaalwater, Limpopo, South Africa**  
I conducted habitat surveys, bird point-counts, and large mammal game-drive transects. I assisted in the monitoring of elephant herd composition by radio tracking, a mammal relocation project, and joined in the capture and veterinary examination of lions.

## ----- TEACHING EXPERIENCE -----

- Spring 2019**     **Teaching Assistant** – **ANT 377: Animal Tool Use**- Stony Brook University, Stony Brook, New York, USA. (127 students)
- Winter 2019**     **Teaching Assistant** – **ANT 387: Independent Research in Madagascar**- Centre ValBio, Ranomafana National Park, Ranomafana, Vatovavy-Fitovinany, Madagascar. (9 students)
- Autumn 2018**     **Teaching Assistant** – **ANP 120: Introduction to Biological Anthropology**- Stony Brook University, Stony Brook, New York, USA. (193 students)

## ----- SCIENTIFIC OUTREACH -----

- Mar 2019**         **Judge** – **Animal Sciences: Long Island Science and Engineering Fair**- Crest Hollow Country Club, Woodbury, New York, USA.

## ----- SERVICE -----

- July 2017**         **Delegate**: **Association for Tropical Biology and Conservation (ATBC) 54<sup>th</sup> Annual Congress**- Hotel Fiesta Americana, Mérida, Yucatan, Mexico
- 2015 - 2016**       **Class Representative** - **Ecology, Evolution, & Organismal Biology** - University of St Andrews, St Andrews, Scotland, UK
- June 2015**         **Co-Organizer**: **Great Auk De-Extinction Scientific Meeting**- International Centre for Life, Newcastle, England, UK
- 2014 - 2015**       **Vice President** - **Wildlife and Conservation Society** - University of St Andrews, St Andrews, Scotland, UK
- 2014 - 2015**       **Academic Liaison Officer** - **Biology Society** - University of St Andrews, St Andrews, Scotland UK

## ----- PROFESSIONAL MEMBERSHIPS -----

- 2018 -**             **International Primatological Society**
- 2017 -**             **Association for Tropical Biology and Conservation**
- 2017 -**             **British Ecological Society**

## ---- ADDITIONAL PROFESSIONAL EXPERIENCE ----

- Summer 2018**         **Veterinary Assistant**: **East End Veterinary Center**- Riverhead, New York, USA
- 2008-2013**       **Veterinary Assistant**: **North Fork Animal Hospital**- Southold, New York, USA