

# 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.** (2019). *What are Primates?* ANT 377: Animal Tool Use, Stony Brook University, Stony Brook, New York, USA. (GUEST LECTURE)
- Rothman, R. S.** (2018). *What is Paleontology?* ANP 120: Introduction to Biological Anthropology, Stony Brook University, Stony Brook, New York, USA. (GUEST LECTURE)
- 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 27<sup>th</sup> Annual Congress, United Nations, 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 Inaugural Congress, University of Toamasina, Tamatave, 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 -----

- March – May 2017**      **Postgraduate Researcher: Centre ValBio Research Station – Ranomafana National Park, Vatovavy-Fitovinany, Madagascar**  
I studied and collected faecal samples from four diurnal frugivorous lemur species across rainforest sites that differ in their levels of anthropogenic disturbance for my master's thesis.
- April 2017**      **Postgraduate Researcher: Ivohibory Rainforest, 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.
- 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, 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: Orielton 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: Great Gull Island 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 as they hatched.
- 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, 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, participated in 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, 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)

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

- 2015 - 2016**     **Class Representative** - **Ecology, Evolution, & Organismal Biology** - University of St Andrews
- 2014 - 2015**     **Vice President** - **Wildlife and Conservation Society** - University of St Andrews
- 2014 - 2015**     **Academic Liaison Officer** - **Biology Society** - University of St Andrews

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

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

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

- Summer 2018**     **Veterinary Assistant**: **East End Veterinary Center**- Riverhead, New York, USA
- Summer 2017**     **Meeting Delegate**: **Association for Tropical Biology and Conservation 54<sup>th</sup> Annual Congress**- Hotel Fiesta Americana, Mérida, Yucatan, Mexico
- Summer 2015**     **Meeting Co-Organizer**: **Great Auk De-Extinction Scientific Meeting**- International Centre for Life, Newcastle, England, UK