

RYAN S. ROTHMAN

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----- EDUCATION -----

- 2018 –** **Stony Brook University** – Stony Brook, Suffolk County, New York, USA
Doctorate (PhD) in Biological Anthropology- Primate Behavior
- 2016 – 2017** **Imperial College London** – Ascot, Berkshire, England, UK
Master of Research (MRes) with Merit in Tropical Forest Ecology
- 2012 – 2016** **University of St Andrews** – St Andrews, Fife, Scotland, UK
Bachelor of Science (BSc) with Honours of the Second Class in Zoology
- 2008 – 2012** **Southold High School** – Southold, Suffolk County, New York, USA
New York State Regents Diploma with Advanced Designation with Honors

----- RESEARCH EXPERIENCE -----

- Imperial College Master's Thesis** – Completed in 2017
Does Anthropogenic Disturbance Affect the Diversity and Size of Seeds Dispersed by Lemurs?
Project Supervisors: Dr. Patricia Wright (Stony Brook); Dr. Jason Hodgson (Imperial College)
- Field Work in Madagascar:** 10 weeks
March – May 2017
Postgraduate Researcher: Centre ValBio Research Station – Ranomafana National Park – near Ranomafana, Ifanadiana District, 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. Seeds were extracted from the faeces and taxonomically and allometrically processed at the CVB laboratory for my MRes thesis project. Additionally, I collected faecal samples for a collaborative primate microbiome project, and tutored research technicians using R statistical computing software.
Centre ValBio Expedition: Ivohibory Forest: The “Lost Rainforest” of Crystal Mountain – Ivohibe District, Ihorombe, Madagascar
I led a 10-day expedition from Centre ValBio to this isolated rainforest fragment to collect faecal samples from the ring-tailed lemur (*Lemur catta*) for my MRes thesis.
- Field Course in Malaysian Borneo:** 3 weeks
Jan - Feb 2017
Postgraduate Student: S.A.F.E. Project – Kalabakan Forest Reserve – Tawau District, Sabah; Maliau Basin Conservation Area – Tongod District, Sabah, Malaysian Borneo
The Stability of Altered Forest Ecosystems (S.A.F.E.) Project is one of the world's largest ongoing ecological experiments. 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.
- Paid Internship in USA:** 8 weeks
Aug - Sept 2016
Research Intern: Institute for the Conservation of Tropical Environments at Stony Brook University – Stony Brook, Suffolk County, 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*. I also performed preliminary iterations of data analysis using R.
- University of St Andrews Dissertation** – Completed in 2016
An Analysis of African Bush Elephant (*Loxodonta africana*) Damage to Woody Plants in Balule Nature Reserve, Limpopo Province, South Africa.
Project Supervisor: Prof. Will Cresswell (St Andrews); Laetitia Cronje (Campfire Academy)

Internship Field Work in South Africa: 8 weeks July – Aug 2015	Research Intern: Campfire Academy – Balule Nature Reserve: Greater Kruger National Park – near Hoedspruit, Mopani District, Limpopo, South Africa I investigated the role of African elephants as ecosystem engineers in the bush. Trees and shrubs were identified to the species, and the type and intensity of damage to them by elephants were scored through time. This data was collected for my BSc dissertation project.
Field Course in UK: 1 week Aug – Sept 2014	Undergraduate Student: Orielton Field Centre – Pembroke, 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.
Field Work in USA: 2 weeks June 2014	Research Assistant: G.G.I. Project – Great Gull Island, Suffolk County, New York, USA The Great Gull Island (G.G.I.) Project monitors a nesting colony of common and roseate terns. 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.
Lab Work in UK: 12 weeks Feb – April 2014	Research Assistant: Evolution, Genes, and Genomics Group at the University of St Andrews – St Andrews, Fife, Scotland, UK My tasks included breeding and sexing <i>Drosophila</i> fruit flies and testing for the presence of the <i>fruitless (fru)</i> gene through observational courtship experiments.
Field Work in South Africa: 4 weeks June - July 2011	Research Assistant: Operation Wallacea and Wildlife & Ecological Investments – Welgevonden Game Reserve – near Vaalwater, Waterberg District, 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.

----- SCIENTIFIC CONFERENCES -----

19 – 25 Aug 2018	27 th Annual Congress of the International Primatological Society (IPS) – United Nations Office – Nairobi, Kenya.
13 – 16 Dec 2017	Inaugural Congress of the Malagasy Primatological Society (MPS) – University of Toamasina – Tamatave, Atsinanana, Madagascar.
09 – 14 July 2017	54 th Annual Congress of the Association for Tropical Biology and Conservation (ATBC) – Hotel Fiesta Americana – Mérida, Yucatán, Mexico.
25 – 26 June 2015	Great Auk Scientific Meeting (closed-session) – International Centre for Life – Newcastle upon Tyne, England, UK.

----- PRESENTATIONS -----

Ring-tailed lemurs (Lemur catta) broaden their niche in a novel rainforest habitat. **Poster presentation** at the International Primatological Society 27th Annual Congress (2018, Aug).

Ring-tailed lemurs (Lemur catta) dispersing seeds in a novel rainforest habitat. **Oral presentation** at the Malagasy Primatological Society Inaugural Lemur Congress (2017, Dec).

----- SCHOLARSHIPS & AWARDS -----

Teaching Assistantship – Teaching Assistant stipend of \$19,360 – Awarded by Stony Brook University (2018/19).

Tuition Scholarship – Covers full tuition of Graduate School – Awarded by Stony Brook University (2018/19).

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

Certificate of Merit – In recognition of academic achievement – Awarded by the Assembly of the State of New York (2012, June).

----- RELEVANT SKILLS -----

Lab	Lab experience from university modules, research projects, and veterinary exposure.
Field	Extensive experience conducting experiments and collecting data in adverse field conditions such as the rainforests of Madagascar and Borneo and the bushveld of South Africa.
Statistical	Highly skilled with <i>R Statistical Computing Software</i> to process ecological data e.g. regression modeling. Some experience processing spatial data using <i>QGIS</i> .
Computational	Familiar with <i>Raspbian Linux</i> Operating System, <i>NCBI BLAST</i> , and bioinformatics techniques. Highly proficient in data handling and manipulation using Microsoft Excel and <i>R</i> .
Presentational	Experience presenting at professional scientific conferences.
Other	Experience writing grants and attaining import, export, transport, and collection permits. CPR / First Aid Certified. Experience working in veterinary clinics and labs.

----- OTHER RELEVANT OCCUPATIONS -----

Summer 2018	Veterinary Assistant- East End Veterinary Center- Riverhead, Suffolk County, New York, USA
2018 - present	International Primatological Society (IPS) Member
2017 - present	Association for Tropical Biology and Conservation (ATBC) Member
2017 - present	British Ecological Society (BES) Member
2015 - 2016	Ecology, Evolution, and Organismal Biology Class Representative- University of St Andrews
2014 - 2015	Wildlife and Conservation Society Vice President- University of St Andrews
2014 - 2015	Biology Society Academic Liaison Officer- University of St Andrews
2008 - 2013	Kennel Assistant- North Fork Animal Hospital- Southold, Suffolk County, New York, USA