

Biographical Sketch

Name: Sam Hyde Roberts. **Date of Birth:** 11th December 1984.
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a. Professional Preparation

PhD in Anthropology & Geography.

Oxford Brookes University, Oxford. UK. 2016-2021.
“Behavioural ecology, adaptation and conservation of the Anosy mouse lemur (*Microcebus tanosi*) in the littoral forests of Sainte Luce, southeastern Madagascar.”
Supervisors: Dr Giuseppe Donati and Prof. Vincent Nijman.

MPhil in Anthropology & Geography.

Oxford Brookes University, Oxford. UK. 2019.

MSc in Ecology.

University of Wales, Bangor. UK. 2009-2010.
Supervisor: Prof. George Turner.

BSc in Zoology.

University of Wales, Bangor. UK. 2005-2009.

b. Appointments

Yoder Lab/DUKE University - NSF Postdoctoral Researcher (April 2022-April 2025)
SEED Madagascar - Executive Conservation Coordinator (2015-present). SRCC Chair.
Operation Wallacea – Lead Herpetologist (Madagascar) (2017-present)

c. Products

1. Publications

Belluardo, F., Muñoz-Pajares, A. J., Miralles, A., Silvestro, D., Cocca, W., Ratsoavina, F. M., **Hyde Roberts, S.**, ... & Crottini, A. (2022). Slow and steady wins the race: Diversification rate is independent from body size and lifestyle in Malagasy skinks (Squamata: Scincidae: Scincinae). *Molecular Phylogenetics and Evolution*, 107635.

Hyde Roberts, S., Rossizela, R. J., Longosoa, H. T., Strang, K., Chmurova, L., Jacobs, M., & Donati, G. (2021). Population dynamics of nocturnal lemurs in littoral forest fragments: The importance of long-term monitoring. *International Journal of Primatology* 42(6). 833-858.

Hyde Roberts, S. (2021). Behavioural ecology and conservation of the Anosy mouse lemur (*Microcebus tanosi*) in the littoral forests of southeastern Madagascar. PhD thesis. Oxford Brookes University. Oxford.

Hyde Roberts, S., Harris, S., Guy, J. A., Rossizela, T. J., & Rabehevitra, D. (2020). Palms on the brink. Conservation status of the Endangered palms *Dypsis saintelucei* and *Beccariopheonix madagascariensis* in the littoral forests of Sainte Luce, southeastern Madagascar. *PALMS*, 64(4), 177-190.

Hyde Roberts, S., Račevska, E., & Donati, G. (2020). The natural re-colonisation of a littoral forest fragment by the Endangered red-collared brown lemur (*Eulemur collaris*) in southeast Madagascar. In Press. *Lemur News*, 22, 24-26.

Hyde Roberts, S., Barker, L., Chmurova, L., Dijkstra, K. D. B., & Schütte, K. (2019). Rediscovery of *Libellulosoma minutum* in the littoral forests of southeast Madagascar (Odonata: Corduliidae). *Notulae odonatologicae*, 9(4), 125-172.

Scherz, M. D., Hutter, C. R., Rakotoarison, A., Riemann, J. C., Rödel, M. O., Ndriantsoa, S. H., Glos, J., **Hyde Roberts, S.**, Crotini, A., Vences, M., & Glaw, F. (2019). Morphological and ecological

convergence at the lower size limit for vertebrates highlighted by five new miniaturised microhylid frog species from three different Madagascan genera. *Plos One*, 14(3), e0213314.

Neaves, J., **Hyde Roberts, S.**, Longosoa, T. H., Andreone, F., & Rosa, G. M. (2019). Dietary observations of the lamprophiid snake *Madagascarophis meridionalis* (Domergue, 1987) in southeastern Madagascar. *Herpetology Notes*, 12, 75-78.

Feistner, A., T, C, Askew, J. A., **Hyde Roberts, S.**, Radford, L., & Williamson, E. A. (2018). Book Review; *Folia Primatologica*. International Encyclopaedia of Primatology, 89, 251-257.

Račevska, E., & **Hyde Roberts, S.** (2018) Sexual Selection. In: Vonk J., Shackelford T. (eds) *Encyclopaedia of Animal Cognition and Behaviour*. Springer, Cham.

Bellati, A., Scherz, M. D., Megson, S., **Hyde Roberts, S.**, Andreone, F., Rosa, G. M., Noël, J., Randrianirina, J. E., Fasola, M., Glaw, & F., Crottini, A. (2018). Resurrection and re-description of *Plethodontohyla laevis* (Boettger, 1913) and transfer of *Rhombophryne alluaudi* (Mocquard, 1901) to the genus *Plethodontohyla* (Amphibia, Microhylidae, Cophylinae). *Zoosystematics and Evolution*, 94(1), 109-135.

Hyde Roberts, S., Jacobs, M. D., Clark, R. M., Daly, C. M., Longosoa, H. T., Rossizela, R. J., & Prettyman, S. T. (2016) - A review of the known *Pteropus rufus* (É. Geoffrey, 1803) colonies surrounding the Tolagnaro region of southeast Madagascar – An assessment of neoteric threats and conservation condition a decade on. *Madagascar Conservation and Development*, 11(1).

Hyde Roberts, S., Daly, C. M. (2014) - A rapid herpetofaunal assessment of Nosy Komba Island, northwestern Madagascar, with new locality records for seventeen species. *Salamandra*, 50(1), 18-26.

Hyde Roberts, S., & Daly, C. M. (2014) - First record of Petter's chameleon, *Furcifer petteri* (Brygoo & Domergue, 1966) from Nosy Be Island, Northwest Madagascar. *Herpetology Notes*, 7, 149-151.

Hyde Roberts, S., & Daly, C. M. (2014) – A search for the missing Sportive Lemurs of Nosy Komba, northwestern Madagascar. *Lemur News*, 18, 13-15.

2. Anticipated publications

Hyde Roberts, S., et al. Ranging behaviour of the Anosy mouse lemur (*Microcebus tanosi*) in the littoral forest of Sainte Luce, southeastern Madagascar.

Hyde Roberts, S. 2022. Biodiversity conservation in the littoral zone of Sainte Luce. *Malagasy Nature*. In Press.

Hyde Roberts, S., Sannolo, M., Andreone, F., Gonçalo, M. Rosa., Clark, R., Longosoa, H. T., Cocca, W., & Crottini, A. A first comprehensive assessment of the herpetofauna of the Sainte Luce littoral forests (southeastern Madagascar) using an integrative taxonomic approach: Additional information on interesting records from nearby areas included.

Hyde Roberts, S., et al. Tree diversity and the effects of long-term selective resource harvesting in littoral forest fragments in southeast Madagascar.

d. Synergistic Activities:

- IUCN Red list Assessor for *Microcebus tanosi*, *Microcebus ganzhorni* and *Eulemur collaris*.
- SEED Madagascar - Chair of Research and Conservation Committee (2020-present)
- Established and oversee a habitat corridor program in southeastern Madagascar, reconnecting isolated sub-populations of nocturnal lemurs.
- Developed and leading on an ambitious palm restoration in southeastern Madagascar.
- Development of a long-term conservation and research strategy for the littoral forests of Sainte Luce, SE Madagascar.
- Led research teams and expeditions in both NW and SE Madagascar since 2012.
- Supervision of MSc and BSc students conducting field work in SE and NW Madagascar.
- Completed a comprehensive amphibian and reptile DNA barcoding project in SE Madagascar, leading to the identification of 17 new candidate herpetile species.
- Established a successful local conservation project to protect a colony of *Pteropus rufus* bats.
- Developed an eDNA programme for fish and amphibians in NW Madagascar.
- Discovered a new species of Malaza butterfly in NW Madagascar and working on its formal description with the NHM, London (unpublished).

- Presented work on long-term lemur monitoring and community wide DNA barcoding of an amphibian and reptile community at recent ATBC (2019) and EFP / PSGB (2019) conferences in Antananarivo and Oxford.
- Completed multiple peer-reviews for several of herpetological journals since 2015.

Research interests:

- Biodiversity and conservation in Madagascar
- Mouse lemur biogeography and evolution
- Population dynamics
- Primate ecology, adaptive strategies and social structure
- Littoral forest ecology
- Habitat restoration

References: (Please request permission prior to contact)

Professional capacity and personal character.

Name: Lisa Diane Bass.

Organisation: SEED Madagascar.

Position: Director of Programme's and Overseas Operations.

Email: lisa@seedmadagascar.org

Professional and academic ability.

Name: Dr Giuseppe Donati.

Institution: Oxford Brookes University.

Position: Supervisor and Senior lecturer at Oxford Brookes University.

E-mail: gdonati@brookes.ac.uk