

Rachel A. Munds

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Education

University of Missouri

In progress Ph.D. Physical Anthropology. “Resolving the cryptic evolutionary history of Lorisidae through morphological markers, mitochondrial DNA, and novel candidate genes.”

Oxford Brookes University

2010 M.Phil. Primate Conservation, “Population density, habitat, trapping and taxonomy of the Bornean slow loris (*Nycticebus menagensis*) and Bornean tarsier (*Tarsius bancanus borneanus*).”

Southern Illinois University, Carbondale

2007 B.A. Physical Anthropology, minor Zoology, “Captive lemur response to two types of natural enrichment (Honors Thesis).”

Publications

Peer-reviewed papers

Munds RA, Nekaris KAI, Ali R, Nijman V, & Goossens B. (2014). Living together in the night: abundance and habitat use of sympatric and allopatric populations of slow lorises and tarsiers (*Nycticebus* and *Tarsius*). *Endangered Species Research* 22:269-277

Munds RA, Nekaris KAI, & Ford SM. (2013). Taxonomy of the Bornean loris with new species *Nycticebus kayan* (Primates, Lorisidae). *American Journal of Primatology* 75(1):46-56

Book Chapters

Nekaris KAI, Munds RA. (2010). Using facial markings to unmask diversity: the slow lorises (Primates: Lorisidae: *Nycticebus*) of Indonesia. In Gursky S & Supriatna J (eds). *The Primates of Indonesia*. Springer: New York.

Abstracts

Munds RA, Ali R, Nekaris KAI, Nijman V, & Goossens B. (2013). Living together in the night: abundance & habitat use of sympatric and allopatric populations of slow lorises and tarsiers (*Nycticebus* and *Tarsius*). American Association of Physical Anthropology.

Munds RA, Nekaris KAI, & Ford SM. (2012). Taxonomy of the Bornean slow loris with new species of *Nycticebus* (Primates, Lorisidae). Midwest Primate Interest Group.

Munds RA, Nekaris KAI, & Ford SM (2011). Facial markings used to reveal taxonomic differences in the Bornean slow loris (*Nycticebus menagensis*). American Association of Physical Anthropology.

Roatch N, Munds RA, Ali R, Nijman V, Nekaris KAI, & Goossens B. (2011). Bornean loris and tarsier (*Nycticebus menagensis* & *Tarsius bancanus borneanus*) abundance and micro-habitat divergences in a degraded forest in Sabah, Malaysian Borneo. American Association of Physical Anthropology.

Munds RA, Collins R, Nijman V, Nekaris KAI. (2008). Abundance estimates of three slow loris taxa in Sumatra (*N. coucang*), Java (*N. javanicus*) and Borneo (*N. menagensis*). International Primatological Society.

Munds RA, Best K, Hoppe P, Niebruegge K, Sabin D, Whipple M, Knobbe J, Porton IJ, & Ford SM. (2007). Captive lemur response to two types of natural enrichment. American Association of Physical Anthropology.

Invited Lectures

2014. Munds RA. The diversity of Borneo's lorises. University of Missouri, Wildlife Society.

2014. Munds RA. An introduction into primatology with a focus on slow lorises. University of Missouri, Introduction to Anthropology.

2014. Munds RA, Ford SM. Borneo's lorises: Stealthy strangers of the night. Redbud Audubon Society, Belleville, IL.

2014. Munds RA. Shot in the dark: Discerning the habitat, density, and taxonomy of the Bornean slow loris & western tarsier. University of Missouri, Biology Department Ecolunch.

2014. Munds RA. Discovery vs recognition: Explaining new species to the press. University of Missouri, EvoBlitz

Selected Press Articles

- BBC Nature. Primate species: new slow loris species found in Borneo.
 - Online Dec 2012 (<http://www.bbc.co.uk/nature/20704172>)
- National Geographic. Venomous primate discovered in Borneo.
 - Online Dec 2012 (<http://news.nationalgeographic.com/news/venomous-primate-discovered-in-borneo/>)

Photography Credits

- Campbell et al., (2010) *Primates in Perspective*
- Rowe N. *All the World's Primates*, Website: *T. b. borneanus* & *N. menagensis*
- Nijman V & Nekaris KAI. (2010) Checkerboard patterns, interspecific competition and extinction: Lessons from distribution patterns of tarsiers and slow lorises in insular Southeast Asia. *International Journal Primatology*.
- Danau Girang Field Centre (2009)
(<http://www.cardiff.ac.uk/biosi/facilities/danaugirangfieldcentre/index.html>)

Funding, Awards & Honors

Funding

- 2013 The Dorothy Tompkins Gelvin Ph.D., Memorial Scholarship Fund (\$400)
2009 Columbus Zoo & Aquarium Conservation Fund (\$5000)
2008 Primate Conservation Inc. (\$2506)
2008 Primate Action Fund (\$4200)
2008 Primate Society of Great Britain (£500)
2008 Margot Marsh (\$6000)

Awards & Honors

- 2007 MSc Primate Conservation: Queen's Anniversary Prize for Higher & Further Education.
2008 Overseas country representative, MSc Primate Conservation, Oxford Brookes University
2007 Vice-President Undergraduate Student Anthropology Association, S.I.U.C
2006 Dean's List Southern Illinois University, Carbondale

Professional Experience

Field

- 2013 Lupa Masa, Poring, Sabah, Malaysia Borneo.
June-Aug Nocturnal mammal surveys, focus on slow loris and tarsier
- 2009 Danau Girang Field Center, Sabah, Malaysia Borneo. Director: B. Goossens
March-Sept Nocturnal primate surveys and investigating trapping methods of slow lorises
- 2008 Wehea, East Kalimantan, Indonesia Borneo.
July-June Nocturnal primate surveys
- 2006 St. Louis Zoological Gardens, Primate House. Director: I. Porton
May-August Affects of natural enrichment on two species of captive lemurs

Lab

- 2013 Spring Eggert Lab, University of Missouri, Director: L. Eggert
Investigation of Bornean loris taxonomy through ancient DNA
- 2011 Fall Research Assistant Anthropology, University of Missouri, Director: G. Blomquist
Genetic analyses of co-adaptation of maternal resource supplies affecting infant growth between mother & offspring macaques.
- 2008 Nov Oxford Brookes University, Oxford UK. Director: KAI Nekaris
Taxonomic investigation of *Nycticebus* sp. through microscopic hair analysis

Museum Collections Studied

- Field Museum Natural History (Chicago, IL)
American Museum Natural History (New York, NY)
National Museum of Natural History (Washington DC)

Teaching Experience

Lecture

- 2011-2014 Fall General Ecology Lab, University of Missouri, Dept. of Biology
2011-2015 Spring Introduction to Biology, University of Missouri Dept. of Biology

Mentor

- 2009 Summer R. Ali, Malay student. Danau Girang Field Center (DGFC)
Trained nocturnal primate research, write grants
- 2009 Summer N. Roatch, Oxford Brookes Field Course Student, DGFC
Trained nocturnal primate research, field techniques

Professional Memberships

- 2006-Present American Association of Physical Anthropology
2008-Present American Association of Primatology
2008-Present International Association of Primatology
2012-Present Midwest Primate Interest Group
2008-Present Nocturnal Primate Research Group

Relevant Training

- 2008 Spring Basic Canopy Access Proficiency Course, Wytham Woods, Oxford, UK.
Accessing canopy through appropriate safety protocols & climbing techniques
- 2007 Nov Shotover Park, Oxford UK, Oxford Brookes University
Small animal trapping, GIS, compass, & auditory equipment training

Skills

- Computer Programs: Proficient: SPSS, Program R, GoogleEarth, Microsoft Office programs
Languages: Fluent: English, Basic: French, German, & Malay