

# Curriculum Vitae

## Kathleen Danielle Reinhardt

PhD, MPhil, PGCert, MSc, BA

**Research Interests:** ecophysiology, thermal biology, sleep, plant-animal interactions, behavioral ecology

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### **EDUCATION**

- 2015 - 2020 MPhil/ PhD in Anthropology and Geography  
Oxford Brookes University, Oxford, United Kingdom  
Dissertation: Ecophysiology of the Javan slow loris *Nycticebus javanicus*
- 2016 - 2017 PGCert in Teaching in Higher Education  
UK Academy of Higher Education via OBU  
Courses: Learning and Teaching in Higher Education  
Teaching Open Online Courses
- 2013 - 2014 Master of Science (MSc) in Primate Conservation  
Oxford Brookes University, Oxford, United Kingdom  
Dissertation: Climate effects on Javan slow loris (*Nycticebus javanicus*) microhabitat use
- 2008 - 2012 Bachelor of Arts (BA) in Anthropology, with Dance  
Stony Brook University, New York, United States of America  
Dissertation: The "Hidden Rationality" in Otherwise Seemingly Inexplicable Rituals: an examination on the existence, economic and environmental relevance in ritual practices

### **APPOINTMENTS**

- 2019 - 2020 Associate Lecturer, Department of Social Sciences, Oxford Brookes University
- 2015 - 2020 Guest Researcher, Centre for Ecological and Evolutionary Synthesis, University of Oslo

### **TEACHING EXPERIENCE**

- Jan 2015 – 2020: Oxford Brookes University, Department of Social Sciences, Oxford, UK
- Primate Adaptation and Evolution, Associate Lecturer, MSc/BA course (Sep 2019 - Sep 2020)
  - Methods and Analysis in Biological Anthropology, Co-lecturer, BA course (Sep 2017-Dec 2017)
  - Humans and Other Primates, Co-lecturer, BA course (Jan 2017—May 2017; Jan 2015—May 2015)
  - Primate Populations and Genetics, Teaching Assistant, MSc course (Jan 2017—May 2017)
  - Primate Diversity and Conservation, Teaching Assistant, MSc course (Sep 2016—Dec 2016)
- Aug 2019 – Feb 2020: Wild Bee Forest School, Rock Edge Nature Reserve, Oxfordshire, UK  
Teaching weekly forest school sessions alongside Forest School Association certified teachers; Student ages 4-11y
- June 2018—Sep 2019: Oxford Royale Academy, Balliol College, Oxford, UK  
Math teacher for SAT Exam Preparatory course; Student ages 15—18y
- May 2015—Sept 2016: Pakuan University, Bogor, Indonesia  
External examiner: Biology Department, BSc program

### **SCIENTIFIC PUBLICATIONS**

N = 11; 7 peer-reviewed articles, 4 peer-reviewed book chapters; \* Editor's choice collection, † invited Special Issue

† **Reinhardt KD** (2020) Wild Primate Sleep: Understanding sleep in an ecological context. *Current Opinions in Physiology*. DOI: 10.1016/j.cophys.2020.04.002

Streicher U & **Reinhardt KD**. (2020) Thermoregulation in lorises. In: Evolution, Ecology and Conservation of Lorises and Pottos. Eds: Nekaris KAI & Burrows A. Cambridge/New York: Cambridge University Press.

**Reinhardt KD**, Campera M & Nekaris KAI. (2020) Use of accelerometers in primate research. In: Evolution, Ecology and Conservation of Lorises and Pottos. Eds: Nekaris KAI & Burrows A. Cambridge/New York: Cambridge University Press.

\* **Reinhardt KD**, Vyazovskiy VV, Hernandez-Aguilar RA, Imron MA & Nekaris KAI. (2019) Environment shapes activity and sleep patterns in a wild primate. *Scientific Reports*, 9: 9939. DOI:10.1038/s41598-019-45852-2

† Svensson MS, Nekaris KAI, Bearder SK, Bettridge CM, Butynski TM, Cheyne SM, Das N, de Jong YA, Luhrs AM, Luncz LV, Maddock ST, Perkin A, Pimley E, Poindexter SA, **Reinhardt KD**, Spaan D, Stark DJ, Starr CR & Nijman V. (2018) Sleep patterns, daytime predation and the evolution of diurnal sleep site selection in lorisiforms. *American Journal of Physical Anthropology*, 166(3): 563—577. DOI: 10.1002/ajpa.23450.

Poindexter SA, **Reinhardt KD**, Nijman V & Nekaris KAI. (2018) Slow lorises (*Nycticebus spp.*) display evidence of handedness in the wild and in captivity. *Laterality: Asymmetries of Body, Brain and Cognition*, 30: 1—7. DOI: 10.1080/1357650X.2018.1457046

**Reinhardt KD**. (2018) Hibernation. (Eds.) Vonk J & Shackelford TK, in: Encyclopedia of Animal Behavior and Cognition. Springer Publishing Co. DOI: 10.1007/978-3-319-47829-6\_231-1

† Nekaris KAI, Poindexter SA, **Reinhardt KD**, Sigaud M, Cabana F & Nijman V. (2017) Co-existence between primates and humans in a dynamic agroforestry landscape in West Java. *International Journal of Primatology*, 38(2): 303—320. DOI: 10.1007/s10764-017-9960-2

**Reinhardt KD** & Nekaris KAI (2017) Long-Term Field Studies—Asia. (Eds.) Fuentes A, in: The International Encyclopedia of Primatology. Wiley Blackwell Publishing.

**Reinhardt KD**, Wirdateti & Nekaris KAI. (2016) Climate-mediated activity of the Javan slow loris, *Nycticebus javanicus*. *AIMS Environmental Sciences*, 3(2): 249—260. DOI: 10.3934/environsci.2016.2.249

**Reinhardt KD** & Nekaris KAI. (2015) Adaptations in a changing environment: relationship between climate, disturbance and *Nycticebus javanicus* behaviour in Cipaganti, West Java. *Canopy*, 15(2), 14—16.

## **PEER-REVIEWS**

Animal Behaviour (*N*= 1), Folia Primatologica (*N*= 2), International Journal of Primatology (*N*= 2)

## **PRESENTATIONS**

*N* = 14; \* presenter; ‡ invited seminar series; † accepted conference presentations cancelled or postponed due to COVID-19

‡ **Reinhardt KD**, Hernandez-Aguilar RA, Poindexter SA, Eppley TE, Wirdateti, Donati G, Nekarlis KAI. Microclimate refuge supports thermoregulation and sleep of wild slow lorises. International Primatological Society, 2021. Invited Seminar Series. (Quito, Ecuador).

+ **Reinhardt KD\***, Vyazovskiy VV, Hernandez-Aguilar RA, Imron MA & Nekarlis KAI. Napping in the wild: How slow lorises balance intrinsic circadian rhythms and sleep homeostasis against environmental factors. Los Angeles, USA. American Association of Physical Anthropologists, 2020. Poster.

**Reinhardt KD\***, Vyazovskiy VV, Hernandez-Aguilar RA, Imron MA & Nekarlis KAI Environmental factors and homeostatic need regulate sleep patterns of a nocturnal primate (*Nycticebus javanicus*). European Federation of Primatologists. Poster.

**Reinhardt KD\***, Vyazovskiy VV & Nekarlis KAI. Measuring circadian rhythms and sleep-wake patterns of wild primates. European Sleep Research Society. Basil, Switzerland. European Sleep Research Society, 2018. Presentation.

‡ **Reinhardt KD\***, Imron MA, Donati G, Hernandez-Aguilar RA, Nekarlis KAI. Climate influence on the ecophysiology of heterothermic primates. Nairobi, Kenya. International Primatological Society, 2018.

**Reinhardt KD\***, Wirdateti, Spaan D & Nekarlis KAI. (2017) Relationships between altitude, habitat structure and behavior of *Nycticebus javanicus* in a submontane agroforest. *Folia Primatologica*, 86(4): 345-346.

**Reinhardt KD\***, Moore RS, Wirdateti, Nekarlis KAI. Primate pollinators: examining the plant-pollinator relationship between slow lorises and leguminous tree, *Calliandra Calothyrsus*. Strasbourg, France. European Federation of Primatologists, 2017. Poster.

**Reinhardt KD\***, Donati G, Wirdateti & Nekarlis KAI. (2016) Torpid lorisid: Ecophysiology of *Nycticebus javanicus* in a fragmented agroforest. International Primatological Society. Chicago IPS/ASP, August 2016. Presentation.

**Reinhardt KD\***, Wirdateti, Spaan D & Nekarlis KAI. (2015) Relationships between altitude, habitat structure and behavior of *Nycticebus javanicus* in a submontane agroforest. *Folia Primatologica*.

‡ **Reinhardt, KD\***, Poindexter SA & Nekarlis, KAI. "Husbandry of Pygmy, Bengal and Javan slow lorises: Implications for re-introduction." EAZA Prosimian TAG spring meeting 2015. Plzen Zoo, Czech Republic. 20—22 Apr 2015. Presentation.

**Reinhardt\* KD**, Wirdateti, Nekarlis KAI. "Ice, ice, baby: Microclimate use as a means of adaptation by a small nocturnal primate, *Nycticebus javanicus*." Spring Meeting 2015, Primate Society of Great Britain. Roehampton University, UK. 9—10 Apr 2015. Presentation.

Poindexter SA\*, **Reinhardt, K.D.**, & Nekarlis, K.A.I. "The influence of morphometrics on behaviour and habitat use in the Javan slow loris (*Nycticebus javanicus*)." Winter Meeting 2014 'Ecomorphology', Anatomical Society and Primate Society of Great Britain. Birmingham, UK. 15—16 Dec 2014. Poster Session.

**Reinhardt KD\***, Spaan, D., Wirdateti, Nekaris, K.A.I. "Torpor in a Critically Endangered Primate: Climate effects on Javan slow loris [*Nycticebus javanicus*] behavior." 37th Annual Meeting. American Society of Primatology. Decatur, Georgia. 13 Sep 2014. Poster Session.

**Reinhardt KD.** \* "Relationships between climate and activity pattern in Javan slow lorises." Tubney House WildCru Masters Day. Wildlife Conservation Research Unit. Tubney, Oxfordshire. 30 May 2014. Presentation.

### **INVITED SPEAKER**

*N* = 11; 3 scientific meetings, 7 guest lectures, 1 workshop

2019 **Reinhardt KD**, Moore RS, Imron MA, Hernandez-Aguilar RA, Nekaris KAI. Rewilding and endemic island species: introduced non-indigenous plants fill ecological niche for endangered species in an agroforestry habitat. Nocturnal Primate Research Group, Invited Seminar Series. Oxford, UK.

2018 **Reinhardt KD**, Vyazovskiy VV, Hernandez-Aguilar RA, Imron MA & Nekaris KAI. Circadian rhythms and sleep architecture of a wild primates: Implications for the evolution of human sleep. Oxford University Museum of Natural History, UK.

2018 **Reinhardt KD**, Imron MA & Nekaris KAI (2018) Mutualistic relationship between primates (*Nycticebus javanicus*), people and crops in a Javan agroforest. International Primatological Society. Invited Seminar Series. Nairobi, Kenya.

2018 Campo M & **Reinhardt KD**. Research Methods in Field Biology and Conservation. Department of Biology, Oxford Brookes University, Oxford, UK.

2017 **Reinhardt KD**. Measuring behavioural responses of non-human primates to local climatic events. Nocturnal primates and lemurs. Seminar Workshop. Oxford Brookes University. Oxford, UK.

2017 **Reinhardt KD**. Actigraphy as a proxy for measuring sleep in wild animals. Department of Physiology, Anatomy and Genetics, University of Oxford. Oxford, UK.

2015 **Reinhardt KD**. Behavioural adaptations of slow loris species in a submontane agroforest. Center for Ecological and Evolutionary Synthesis, University of Oslo. Oslo, Norway.

**Reinhardt, KD & Poindexter, SA**. Behavioural adaptations of slow loris species in changing environments. Oxford Brookes University, Primate Conservation Seminar Series. Oxford, UK. 3 Mar 2015. Presentation.

### **ORGANIZED SCIENCE OUTREACH**

*N*= 4; 1 symposium, 1 conference workshop, 2 international student workshops; \* Presenter

2018 Korstjens A\* & **Reinhardt KD\***. Climaprimatology: Primates and climate change. Nairobi, Kenya. International Primatological Society. Symposium.

2018 Hankinson E, Snodderly M\*, Korstjens A, Marsh C & **Reinhardt KD**. Workshop on measurement of weather variables in primate habitats. Nairobi, Kenya. International Primatological Society. Workshop.

2016 **Reinhardt KD\***. Influence of climate change on primate behaviour. Research Center for Climate Change, Department of Biology, Universitas Indonesia.

2015 Putri PR\* & Reinhardt KD\*. Work in the frontline of conservation. Department of Biology, ITS—Surabaya. East Java, Indonesia. Workshop.

### **AWARDS AND SCHOLARSHIPS**

2020 Nature Editor's Choice Collection: Ecology & Evolution  
2020 British Ecological Society, Training and Travel Grant (£500)  
2019 Graduate College Research Student Exhibition: Winning Research Poster (£50)  
2018 European Sleep Research Society travel grant (€500)  
2018 Global Wildlife Conservation (\$4,000)  
2015—2018 OBU 150th Anniversary Research Studentship (Full Tuition + £42,000 stipend)  
2017 OBU Annual Research Student Symposium: Best Research Presentation (£50)  
2017 European Federation of Primatologists: Primate Art Contest (2nd place award)  
2016 Mohamed bin Zayed Species Conservation Fund: project 152511813 (\$10,000)  
2015 Margot Marsh Biodiversity Fund (\$15,000)  
2014 Sophie Danforth Conservation Biology Grant (\$1,000)  
2014 Royal Geographical Society IBG Geographical Fieldwork Grant (£2,000)  
2014 Royal Geographical Society: MSc Research Approval  
2013 John Henry Brookes Scholarship (£3,000)

### **FIELDWORK AND RESEARCH**

**Sep 2013 – 2020: Little Fireface Project, Garut, West Java**

Research Coordinator and PhD Field Researcher

2015-2016: PhD researcher, examining climate influence and torpor use by *N. javanicus*

2015-2016: Research organizer of ecology, phenology and pollination field studies, leading 3 hired research assistants and 12 national and international undergraduates (Indonesian, German, English, American, French)

2016: Research Coordinator- organizing daily research, supervising and directing student's research projects (undergraduate and master's levels), and maintaining long-term cumulative dataset

**Oct 2012—Feb 2013: Lomas Barbudal Monkey Project, Pijije, Costa Rica**

Full-time field assistant for Dr. Irene Godoy and Dr. Susan Perry, collecting behavioral data on wild *Cebus capucinus*

**Sep 2012—Oct 2012: Fauna Forever, Tambopata National Reserve, Peru**

Primate Research Intern and Mammal Team Volunteer for Fauna Forever, Peru

**Jan 2012—Jun 2012: Stony Brook University**

Independent Research in Conservation Illustrations with Stephen Nash and Dr. F. Grine

**Jan 2011—May 2011: Institute for the Conservation of Tropical Environments (ICTE)**

Internship in the Propithecus Lab under Dr. Patricia Wright, entering/editing data using Microsoft Excel on *Propithecus edwardsi* at Stony Brook University, NY, USA.

**Jan 2011—Nov 2011: Fordham University**

Field assistant for Dr. Rachel Bricklin, studying migratory birds between rural and urban environments: Mianus River Gorge, Bedford, NY and Bronx, Bronx Zoo, NY.

## **SCIENTIFIC ILLUSTRATIONS**

N= 4; 2 peer-reviewed scientific articles; 1 scientific article In Review; 1 conference paper

Hernandez-Aguilar RA. (2020) "Sleeping site reuse in primates: Implications for the interpretation of early hominin activity areas". New Methodologies in Primate Archaeology Workshop. Tubingen, Germany.

Luncz L, Svensson MS, Haslam M, Malaivijitnond, Proffitt T & Gumert M. (2017) Technological response of wild macaques (*Macaca fascicularis*) to anthropogenic change. International Journal of Primatology.

Rode-Margono J & Nekaris KAI. (2015) Cabinet of Curiosities: venom systems and their ecological function in mammals, with a focus on primates. Toxins, 7, 2639-2658.

Hernandez-Aguilar RA & Reitan T (2014) "Deciding where to sleep: Nesting tree and nesting site selectivity in savanna chimpanzees" XXIV Congress of the International Primatological Society. Hanoi, Vietnam.

## **SOCIETY MEMBERSHIPS AND COMMITTEES**

2018 - 2020 Research Student Representative for the Graduate College Steering Group and Research Degree Committee at Oxford Brookes University  
Since 2018 World Sleep Society  
Since 2018 European Sleep Research Society  
Since 2017 British Ecological Society  
Since 2016 American Association of Physical Anthropologists  
Since 2015 European Federation of Primatologists  
Since 2014 International Primatological Society  
Since 2014 Royal Geographical Society with IBG  
Since 2013 Primate Society of Great Britain  
2013 - 2016 Oxford Brookes University *Canopy* Journal Editorial Committee

## **MEDIA COVERAGE (Featured Research)**

2020 Nature Editor's Choice collection: [Primatology](#) (Scientific Reports in Ecology & Evolution)  
2019 BBC Wildlife Magazine: December issue, Wild News – 'Getting a good night's sleep',  
2019 BBC Oxford Radio: BBC Sounds with Lilley Mitchell 02/08/19 – 'Slow lorises and sleep'  
2018 Mongabay: 'Pet trade's "cute" and "adorable" label endangers the slow loris'  
2017 ZGAP: Zoologische Gesellschaft für Arten-und Populationsschutz annual clip award  
2016 NHK production: '[Here Comes Darwin](#): the slow loris'

## **OTHER QUALIFICATIONS AND TRAINING**

**Languages:** Fluent English, Proficient Spanish, Proficient Indonesian, Beginner Norwegian  
**Software Proficiency:** R, MATLAB, SPSS, ArcGIS, Garmin Basecamp, Ranges, Microsoft Office, Moodle, Blackboard  
**Fieldwork training:** capture and collaring of small mammals, nocturnal and diurnal (primates, birds); radio-tracking (Biotrack, Telonics equipment); biotelemetry (accelerometry; skin temperature; GPS tags); biological sampling (hair, fecal, saliva); camera traps; Recce line transects; occupancy modeling; plant phenology; digital photography, with an expertise of SLR and eternal flash with Canon products; RedCross CPR and First Aid training; AED and BPP Certified.