

M. Teague O'Mara

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APPOINTMENTS

- 2021-2019 - Dyson Professor of Biological Sciences, Southeastern Louisiana University
Assistant Professor, Department of Biological Sciences. Southeastern Louisiana University
- 2021 - Research Associate, Max Planck Institute of Animal Behavior
- 2020 - Research Associate, Smithsonian Tropical Research Institute

POSTDOCTORAL EXPERIENCE

- 2019 Postdoctoral researcher, Max Planck Institute for Animal Behavior. Supervisors: Dina Dechmann & Martin Wikelski
- 2015-19 Postdoctoral researcher, Max Planck Institute for Ornithology (MPIO). Supervisors: Dina Dechmann & Martin Wikelski
- 2013-15 Marie Skłodowska-Curie Postdoctoral Fellow. Zukunftskolleg & Department of Biology, University of Konstanz. *Social foraging and information discrimination in frugivorous bats*
- 2012-13 Smithsonian Tropical Research Institute (STRI) Postdoctoral Fellow. *Information and sociality: Do tent-making bats use roosts as information centers?* Supervisors: Rachel Page, Dina Dechmann, & John Christy

EDUCATION

- 2012 Doctor of Philosophy in Biological Anthropology. School of Human Evolution & Social Change (SHESC), Arizona State University. Dissertation title: *Development of ring-tailed lemur feeding ecology*. Advisor: Leanne Nash
- 2005 Master of Arts in Anthropology. SHESC, Arizona State University. Thesis title: *Spatial variation in the activity and positional behavior of Ateles geoffroyi ornatus and its relationship to forest disturbance*. Advisor: Leanne Nash
- 2001 Bachelor of Science in Anthropology, Biology, and the University Honors College, Grand Valley State University, Allendale, MI

PUBLICATIONS

*undergraduate student co-author, † - shared first author

- Cove M, Kays R, ..., **O'Mara MT**, (+ 140 co-authors), McShea, WJ. 2021. SNAPSHOT USA 2019: A coordinated national camera trap survey of the United States. *Ecology*. 102(6):e03353. DOI: 10.1002/ecy.3353

- O’Mara MT**, Amorim F, Scacco M, McCracken G, Safi K, Mata V, Tomé R, Swartz S, Wikelski M, Beja P, Rebelo H, Dechmann DKN. 2021. European free-tailed bats use topography and nocturnal updrafts to fly high and fast. *Current Biology* 31(6):1311-1316. DOI: 10.1016/j.cub.2020.12.042
- Calderon-Capote MC, Dechmann DKN, Fahr J, Wikelski M, Kays R, **O’Mara MT**. 2020. Foraging movements are density-independent among straw-colored fruit bats. *Royal Society Open Science*. 7:200274. DOI: 10.1098/rsos.200274
- Schaeffer PJ†, **O’Mara MT**†, Breiholz J*, Keicher L, Lazaro J, Muturi M, Dechmann DKN. 2020. Metabolic rate in common shrews is unaffected by temperature, leading to lower energetic costs through seasonal size reduction. *Royal Society Open Science*. 7:191989. DOI: 10.1098/rsos.191989
- O’Mara MT**, Wikelski M, Kranstauber B, Dechmann DKN. 2019. First three dimensional tracks of bat migration reveal large amounts of individual behavioral flexibility. *Ecology* 100(9): e02762. DOI: 10.1002/ecy.2762
- O’Mara MT**, Scharf A, Fahr J, Abedi-Lartey M, Wikelski M, Dechmann DKN, Safi K. 2019. Overall dynamic body acceleration in straw-coloured fruit bats increases in headwinds but not with airspeed. *Frontiers in Ecology and Evolution*. 7:200. DOI: 10.3389/fevo.2019.00200
- van Toor ML, **O’Mara MT**, Abedi-Lartey M, Wikelski M, Fahr J, Dechmann DKN. 2019. Ecosystem services of African fruit bats depend on colony size. *Current Biology* 29(7):PR237-R238. DOI: 10.1016/j.cub.2019.02.033
- O’Mara MT**, Wikelski M, Kranstauber B, Dechmann DKN. 2019. Common noctules exploit low levels of the aerosphere. *Royal Society Open Science*. DOI: 10.1098/rsos181942.
- Hiller T, Rasche A, Brändel SD, König A, Jeworowski L, **O’Mara MT**, Cottontail V, Page RA, Glebe D, Drexler JF, Tschapka M. 2019. Host biology and anthropogenic factors affect hepatitis virus infection in a Neotropical bat. *EcoHealth* 16:82-94. DOI: 10.1007/s10393-018-1387-5
- Kohles JE*, Page RA, Dechmann DKN, **O’Mara MT**. 2018. Rapid behavioral changes during early development in Peters’ tent-making bat (*Uroderma bilobatum*). *PLoS ONE* 13(10): e0205351. DOI: 10.1371/journal.pone.0205351
- O’Mara MT**, Wikelski M, Voigt CC, Ter Maat A, Pollock HS, Burness GP, Desantis LM, Dechmann DKN. 2017. Cyclic bouts of extreme bradycardia counteract the high metabolism of frugivorous bats. *eLife* 6:e26686. DOI: 10.7554/eLife.26686
- O’Mara MT**, Rikker S, Ter Maat A, Pollock HS, Wikelski M, Dechmann DKN. 2017. Heart rate reveals torpor at high body temperatures in lowland tropical free-tailed bats. *Royal Society Open Science*. 4:171359. DOI: 10.1098/rsos171359
- Dechmann DKN, Wikelski M, Elis-Soto D, Safi K, **O’Mara MT**. 2017. Determinants of spring migration departure decision in a bat. *Biology Letters* 13:20170395. DOI: 10.1098/rsbl.2017.0395
- Jones PJ, Hämsch F, Page RA, Kalko EKV, **O’Mara MT**. 2017. Foraging and roosting behavior of the fringe-lipped bat on Barro Colorado Island, Panamá. *Acta Chiropterologica*. DOI: 10.3161/15081109ACC2017.19.2.010
- Keicher L, **O’Mara MT**, Voigt CC, Dechmann DKN. 2017. Stable carbon isotopes in breath reveal fast incorporation rates and seasonally variable but rapid fat turnover in the common

- shrew (*Sorex araneus*). *Journal of Experimental Biology* 220:2834-2841. DOI: 10.1242/jeb.159947
- O’Mara MT**, Blank D*, Bauer K*, Baldwin J*, Dechmann DKN. 2016. Common noctule bats are sexually dimorphic in migratory behaviour and size but not wing shape. *PLoS ONE* 11(11): e0167027. DOI: 10.1371/journal.pone.0167027
- Ramakers J, Dechmann DKN, Page RA, **O’Mara MT**. 2016. Frugivorous bats prefer information from novel social partners. *Animal Behaviour*. 116:83-87. DOI: 10.1016/j.anbehav.2016.03.021
- Gager Y, Gimenez O, **O’Mara MT**, Dechmann DKN. 2016. Group size, survival and surprisingly short lifespan in socially foraging bats. *BMC Ecology*. 16:2. DOI: 10.1186/s12898-016-0056-1
- Stockmaier S, Dechmann DKN, Page RA, **O’Mara MT**. 2015. No fever and leucocytosis in response to a lipopolysaccharide challenge in an insectivorous bat. *Biology Letters*. 11: 20150576. DOI: 10.1098/rsbl.2015.0576
- Fugère V, **O’Mara MT**, Page RA. 2015. Perceptual bias does not explain preference for prey call adornment in the frog-eating bat. *Behavioral Ecology and Sociobiology* 69:1353-1364. DOI: 10.1007/s00265-015-1949-2
- O’Mara MT**. 2015. Ecological risk aversion and juvenile ring-tailed lemur feeding and foraging. *Folia Primatologica*. 86:96-105. DOI: 10.1159/000368275
- Sauther ML, Gould L, Cuozzo FP, **O’Mara MT**. 2015. Ring-tailed lemurs: a species re-imagined. *Folia Primatologica*. 86:5-13. DOI: 10.1159/000370321
- Dechmann DKN, Wikelski M, Varga K, Yohannes E, Fiedler W, Safi K, Burkhard W-D, **O’Mara MT**. 2014. Tracking post-hibernation behavior and early migration does not reveal the expected sex-differences in a “female-migrating” bat. *PLoS ONE* 9(12):ee114810. DOI: 10.1371/journal.pone.0114810
- O’Mara MT**, Dechmann DKN, Page RA. 2014. Frugivorous bats evaluate the quality of social information when choosing novel foods. *Behavioral Ecology* 25:1233-1239. DOI: 10.1093/beheco/aru120
- O’Mara MT**, Wikelski M, Dechmann DKN. 2014. 50 years of bat tracking: device attachment and future directions. *Methods in Ecology & Evolution*. 5:311-319. DOI: 10.1111/2041-210X.12172
- O’Mara MT**, Hickey CM. 2014. The development of sex differences in ring-tailed lemur feeding. *Behavioral Ecology and Sociobiology* 68:1273-1286. DOI: 10.1007/s00265-014-1738-3
- Cuozzo FP, Head BR, Sauther ML, Ungar PS, **O’Mara MT**. 2014. Sources of tooth wear variation early in life among known-aged wild ring-tailed lemurs (*Lemur catta*) at the Beza Mahafaly Special Reserve, Madagascar. *American Journal of Primatology*. 76:1037-1048. DOI: 10.1002/ajp.22291
- O’Mara MT**, Hickey CM. 2012. Social influences on the development of ringtailed lemur feeding ecology. *Animal Behaviour*.84:1547–1555 DOI: 10.1016/j.anbehav.2012.09.032
- O’Mara MT**, Gordon AD, Catlett KK, Terranova CJ, Schwartz GT. 2012. The ontogeny of body mass dimorphism in galagos and lorises. *American Journal of Physical Anthropology* 147:11-20. DOI: 10.1002/ajpa.21600

PUBLICATIONS IN REVIEW

- O’Mara MT**, Dechmann DKN. Roost together, forage apart: Bat network structure is not explained by foraging efficiency (bioRxiv preprint: 10.1101/2021.09.30.462631)

- Kays R, ..., **O’Mara MT**, (+ 145 co-authors), McShea, WJ. SNAPSHOT USA 2020: A second coordinated national camera trap survey of the United States during the COVID-19 Pandemic.
- Hurme E, Fahr J, Eidolon Monitoring Network, Fils EB, Hash CT, **O’Mara MT**, Richter H, Tanshi I, Webala P, Weber N, Wikelski M, Dechmann DKN. Fruit bat migration matches green wave in seasonal landscapes.
- Ihle KE, **O’Mara MT**, Wcislo WT. Nest survivorship in the socially flexible orchid bee species *Euglossa hyacinthina*.
- Linek N, Shipley JR, **O’Mara MT**, Schmidt A, Tiainen J, Brzek P, Taylor J, Pokrovsky I, Wikelski M, Partecke J. A partial migrant relies upon a range-wide mechanism but uses population-specific thresholds for timing of migration
- Koger B, Hurme E, Costelloe BR, **O’Mara MT**, Wikelski M, Kays R, Dechman DKN. A computer vision approach for counting groups of flying animals applied to one of the world’s largest bat colonies.
- Kohles J, **O’Mara MT**, Dechmann DKN. A framework to predict social information use depending on the resource landscape.
- Eppley T, O’Mara MT, ... (+ 114 coauthors). Descending from the trees: Factors leading to terrestriality in arboreal primates.

FUNDED RESEARCH PROPOSALS

2021	Louisiana Biomedical Research Network. <i>Heart rate variability under extreme energy demands</i>	(\$19,000)
2017	Company of Biologists <i>From the wind tunnel to the field: using controlled speed- power curves to measure energetic expenditure using heart rate and accelerometry in Egyptian fruit bats (JEBTF-170515)</i>	(£2,500)
2016	Max-Planck-Förderstiftung <i>Ecosystem service providers and disease vectors: Movement patterns of flying foxes in Africa</i> with Dina Dechmann and Martin Wikelski	(€500,000)
2016	German Society for Mammalian Biology <i>Genetic structure of social networks and information use</i> with Robert Kraus, Gisela Kopp, and Dina Dechmann	(€10,000)
2015	Young Scholars Fund, University of Konstanz. <i>The ecology and energetics of social cooperation & selfish exploitation in foraging</i>	(€30,000)
2014-15	National Geographic Society Global Exploration Fund <i>Tropical solutions to temperate problems: heart rate and torpor use in free-ranging tropical birds (GEFNE124-14)</i> with Dina KN Dechmann, R. Mark Brigham, Inge Müller, and Martin Wikelski	(€17,000)
2013-15	Marie Skłodowska-Curie Postdoctoral Fellowship, Zukunftskolleg University of Konstanz <i>Social foraging and learning in fruit eating bats</i>	(€125,000)
2012-13	Smithsonian Institute Postdoctoral Fellowship	(\$50,000)

Information and sociality: Do tent-making bats use roosts as information centers?

- 2009-10 **J. William Fulbright Foundation Fellowship** (\$20,000)
Effects of habitat degradation on lemur development
- 2009 **National Science Foundation Doctoral Dissertation Improvement Grant** (\$15,000)
Development of sex differences in ring-tailed lemur feeding ecology
 (BCS0851761)

RESEARCH FUNDING PROPOSALS IN REVIEW

- 2021 **Louisiana Biomedical Research Network Pilot Grant** (\$50,000)
Effects of long-distance migration on bat immunity over space and time

UNFUNDED RESEARCH PROPOSALS

- 2021 **German Science Foundation (Deutsche Forschungsgemeinschaft)** (€400,000)
Within-species variation of social foraging as a function of resource ephemerality with Meg Crofoot (Max Planck Institute of Animal Behavior)
- 2021 **Natural Environment Research Council, United Kingdom.** *Do bats use information from Earth’s magnetic field for migratory navigation? A proof of concept study using a geospatial data science approach* with Urška Demšar (University of St. Andrews, UK), Jed Long (Western University, Canada), Ciarán Beggan (British Geological Survey), and Kamran Safi (Max Planck Institute of Animal Behavior) (£100,0000)
- 2021 **Fundação para a Ciência e a Tecnologia, Portugal.** *AirSentinel: Flying insectivores as sentinel species for new alien agroforestry pests and pathogens* with Francisco Amorim (University of Porto, Portugal), and Elisabete Oliveira (University of Lisbon, Portugal). (€250,000)
- 2020 **Louisiana Board of Regents** (\$172,685)
Powering social networks: Bat energetics in unpredictable environments
- 2019 **Louisiana Biomedical Research Network Pilot Grant** (\$50,000)
Gut permeability and inflammation in high metabolic organisms
- 2019 **Louisiana Board of Regents** (\$172,685)
Powering social networks: Bat energetics in unpredictable environments
- 2019 **Human Frontiers of Science** (€500,000)
How do host–pathogen–microbe triads shape wildlife zoonotic transmission: wild bats as model systems with Yael Artzy-Randrup (University of Amsterdam, Netherlands), Yossi Yovel (Tel-Aviv University, Israel), Elhanan Borenstein (Tel-Aviv University, Israel)
- 2019 **Canadian Institutes of Health Research** (\$300,000)

	Microbial sociality in social mammals with Simon Reader (McGill University, Canada), Yossi Yovel (Tel-Aviv University, Israel), Rachel Page (Smithsonian Tropical Research Institute, Panama)	
2019	Klaus Tschira Boost Fund <i>Powering social networks: Bat energetics in unpredictable environments</i>	(€80,000)
2018	European Research Council <i>MIGRATE: Dynamic landscapes and energetic trade-offs of tropical migration</i>	(€1,500,000)
2018	Volkswagen Foundation <i>BATIMMUNE: Exploring the integrated effects of immunity and metabolism on the healthy lifespan of wild bats</i> with Dina Dechmann (MPIO, Germany), Emma Teeling (University College Dublin, Ireland), and John D. Nieland (Aalborg University, Denmark)	(€1,500,000)
2018	JRS Biodiversity Foundation <i>BatBank: Enabling conservation of pollinating bats in Africa through interactive data platforms</i> with Winifred Frick (Bat Conservation International), Olivier Nsengimana (Rwanda Wildlife Conservation Association, Rwanda), Paul Webala (Masai Mara University, Kenya), Jon Flanders (Bat Conservation International), Dina Dechmann (MPIO, Germany)	(\$300,000)
2016	German Science Foundation <i>Social solutions to ecological uncertainty</i>	(€1,700,000)
2016	Volkswagen Foundation The enigma of the evolution of primate sociality: finding a missing piece of the puzzle with Brandon Wheeler (University of Kent, UK)	(€120,000)
2015	Volkswagen Foundation <i>Social sampling and collective sensing networks in dynamic environments</i>	(€120,000)
2014	Daimler and Benz Foundation <i>Flying higher: using new technology to track the link between ecological niche and in-flight social cooperation of free-ranging bats.</i>	(€20,000)

AWARDS & RECOGNITIONS

2021-2024	Dyson Professor of Biological Sciences , Southeastern Louisiana University	
2015	Grand Valley State University College of Liberal Arts and Sciences Distinguished Alumnus	
2011	American Association of Physical Anthropologists , Sherwood Washburn Student Prize	(\$800)

SELECTED INVITED TALKS

- School of Medicine, Louisiana State University Health Sciences Center. March 2021

- Bats without Borders Winged Wednesday Seminar. *Connecting a continent: Tracking local & migratory movements of straw-coloured fruit bats* (<https://www.youtube.com/watch?v=WuzkIV2KBEs>). October 2020
- Tulane University, Department of Ecology & Evolutionary Biology. September 2020
- Museum of Natural Sciences, Louisiana State University. “*Energetics in context: from heart beats to wingbeats*”. October 2019
- Southeastern Louisiana University, Department of Biological Sciences. “*Going wild: behavior and physiology in context*”. February 2019
- University of Konstanz, Department of Biology. “*Bat energetics in ecological context*”. May 2018
- University of Scranton, Department of Biology. “*Social and physiological solutions to unpredictability*”. May 2018
- Brown University, Department of Ecology & Evolutionary Biology. “*Physiological voyeurism: bat energetic strategies in ecological contexts*”. July 2017
- Museum for Natural History & Leibniz Institute for Evolution and Biodiversity, Berlin. “*Finding social solutions to ecological constraints*.” September 2016.
- University of Zürich, Department of Evolutionary Biology and Environmental Studies. “*Finding social solutions to ecological constraints*.” April 2016.
- Tel Aviv University, The George S. Wise Faculty of Life Sciences. “*Finding social solutions to ecological constraints*.” January 2016.
- Grand Valley State University, Distinguished Lecture, Department of Anthropology. “*The ecology of social information*”. October 2015
- Department of Collective Behaviour, Max Planck Institute for Ornithology. “*Social eavesdroppers: information use & discrimination in bats*”. July 2015.
- University of Bern, Institute of Ecology and Evolution. “*Leveraging social information under energetic constraints*” May 2015.
- University of Konstanz, Zukunftscolleg lecture. “*Leveraging social information under energetic constraints*” January 2015.
- Smithsonian Tropical Research Institute Behavior Discussion Group, “*Social learning and information discrimination in bats*”. May 2014
- University of Konstanz, Department of Biology. “*Social learning and information discrimination in bats*”. December 2013

OUTREACH & MEDIA

- CBC Quirks & Quarks with Bob McDonald (February 2021):
<https://www.cbc.ca/radio/quirks/feb-6-covid-treatments-what-have-we-learned-breakups-change-language-algae-blooms-on-greenland-and-more-1.5901648>
- The Roving Naturalist: How fast is a bat outta hell? (October 2020):
<https://www.youtube.com/watch?v=AtsApHP1vQc>
- Jack Hanna’s Into the Wild: Going Batty (2014)

TEACHING EXPERIENCE

- Southeastern Louisiana University, Department of Biological Sciences. Instructor of Record: Mammalogy, General Biology II: Organismal Biology, Movement Ecology, Science of Science Writing

- University of Konstanz, Department of Biology. Biology Going Wild. I developed and taught methods, theory, and application of animal movement ecology for the 2016-2018 University of Konstanz immersion Master’s course “Biology Going Wild: Movement ecology, behavior & biology.”
- University of Konstanz, Department of Biology & the International Max Planck Research School for Organismal Biology. “Advanced writing”. I developed and taught a one-week intensive writing course for advanced doctoral students.
- University of Konstanz, Department of Biology. “Introductory Biostatistics with R” 2014 immersion Master’s course “Biology Going Wild”. I developed and taught a one-week introductory to mid-level programming and analysis course for spatial data using R.
- University of Konstanz, Department of Biology. I developed and taught methods & theory of animal movement ecology for the six-week 2013 University of Konstanz immersion Master’s course “Biology Going Wild: Radiotracking, behavior & biology.”
- Institute for Tropical Ecology & Conservation, Panama. “Primate Behavior & Ecology”. I developed and taught a 6-week field course in Panama that covered ecological and evolutionary & theory, natural history, research project design, and analysis.

UNDERGRADUATE* & GRADUATE STUDENT MENTORSHIP

Shawn Pladas (Southeastern Louisiana University). I am advising Shawn’s Master’s thesis project on migration in Brazilian free-tailed bats.

Micaela Pineda (Southeastern Louisiana University). I am advising Micaela’s Master’s thesis project on the spatial ecology of greater noctule bats.

*Adriyan Blue (Southeastern Louisiana University)**. I am advising Adriyan’s undergraduate thesis project on behavioral correlates of hormonal development in wild ring-tailed lemurs.

Dani Whiting (Southeastern Louisiana University). I advised Dani’s non-thesis Master’s project on the effects of body size, diet, and phylogeny on the movement of frugivorous bats.

María Camila Calderón Capote (Ludwig Maximilians Universität Munich, Germany and International Max Planck Research School for Organismal Biology). I advised Camila’s master’s project on density dependent foraging behaviour in straw-coloured fruit bats (Royal Society Open Science DOI: 10.1098/rsos.200274), and I am a co-advisor for her PhD thesis on social foraging.

*Nina Richter (University of Konstanz, Germany)**. I advised Nina’s bachelor’s project that uses high resolution GPS+ACC tracking of neighborhoods of domestic house cats to understand how they inhibit or amplify predation rates and movement patterns. Nina’s thesis is forming the foundation for a Germany-wide community science project for high-resolution house cat tracking.

Matthias Janisch (University of Konstanz, Germany). I advised Matthias’ master’s project on the use of heart rate to measure torpor use and energetics of a tropical nightjar in Panama, the common pauraque (*Nyctidromus albicollis*). Matthias’ project yielded some counterintuitive results that we are following up with additional experiments.

Lara Keicher (University of Konstanz, Germany). I co-advised Lara’s Master’s project with Dina Dechmann on seasonal changes in metabolic incorporation rates, digestion, and metabolism in

common shrews (*Sorex araneus*) that are associated with the Dehnel’s phenomenon (Journal of Experimental Biology DOI: 10.1242/jeb.159947).

*Dominik Blank (University of Konstanz, Germany)**. I advised Dominik’s bachelor’s thesis that explores the evolvability of sexual size and shape dimorphism in bat wings and how this is shaped by morphological integration and evolutionary constraint (PLoS ONE DOI: 10.1371/journal.pone.0167027).

Sebastian Stockmaier (University of Konstanz, Germany). I co-advised Basti’s Master’s project with Dina Dechmann on effects of sex, and reproductive status on the innate immune response and fever in *Molossus molossus* in Panama. I supervised experimental design and data collection, analysis, and manuscript preparation (Biology Letters DOI: 10.198/rsbl.2015.0576).

*Karla Bauer (University of Konstanz, Germany)**. I co-advised Karla’s undergraduate thesis with Dina Dechmann on the evolution of sex differences in wing shape and size of the common noctule (*Nyctalus noctula*). I supervised project design, data collection and analysis (PLoS ONE DOI: 10.1371/journal.pone.0167027).

Jip Ramakers (Utrecht University, Netherlands). I supervised the design, data collection, analysis, and manuscript preparation of Jip’s master’s project conducted at STRI that tested social novelty and interspecific social learning in two species of frugivorous bats (Animal Behaviour DOI:10.1016/j.anbehav.2016.03.021).

Sebastian Rikker (University of Konstanz, Germany). I co-advised Sebas’ master’s project with Dina Dechmann on the relationship between heart rate, body temperature, and torpor in *M. molossus* in Panama. I supervised experimental design and data collection, and analysis and his results were incorporated into a larger project (Royal Society Open DOI: 10.1098/rsos171359).

*Jenna Kohles (Clemson University, USA)**. I advised Jenna’s undergraduate research experience in Summer 2014. Jenna was awarded a STRI internship to examine the in-roost dynamics of mother-infant pairs of *Uroderma bilobatum*. She presented preliminary results at the 2014 meeting of the North American Society for Bat Research. I supervised experimental design and data collection, analysis and the final manuscript preparation (PLOS ONE: . DOI: 10.1371/journal.pone.0205351).

Katarina Varga (University of Konstanz, Germany). I co-advised Katarina’s master’s thesis with Dina Dechmann on the post-hibernation foraging behavior and migration of the common noctule in southern Germany. I supervised data collection, analysis, and write-up (PLOS ONE DOI: 10.1371/journal.pone.0114810).

Cathriona Hickey (University of Leeds, UK). Cat was my primary field assistant during fieldwork at Beza Mahafaly Special Reserve, Madagascar and I supervised data collection of an independent project on scent marking, communication, and infant presence. Cat presented these results as a poster at the 2011 meeting of the American Association of Physical Anthropologists and is currently the Learning Manager at the ZSL Whipsnade Zoo.