

M. Teague O'Mara

Max Planck Institute for Ornithology
Am Obstberg 1
78315 Radolfzell, Germany
tomara@orn.mpg.de
www.teagueomara.com
@teague_o

Department of Biology
University of Konstanz
Universitätsstraße 10
78457 Konstanz, Germany
teague.omara@uni-konstanz.de

Google Scholar Profile: [goo.gl/qJQ7Uo](https://scholar.google.com/citations?user=qJQ7Uo)

ResearchGate Profile: [goo.gl/NVeix3](https://www.researchgate.net/profile/Michael-Teague-O-Mara)

POSTDOCTORAL EXPERIENCE

- current Postdoctoral fellow, Max Planck Institute for Ornithology (MPIO). Advisors: Dina Dechmann & Martin Wikelski
- 2013-15 Marie Curie Postdoctoral Fellow. Zunkunftskolleg & Department of Biology, University of Konstanz, & MPIO. *Social foraging and information discrimination in frugivorous bats*. Advisors: Dina Dechmann & Martin Wikelski
- 2012-13 Smithsonian Tropical Research Institute (STRI) Postdoctoral Fellow. *Information and sociality: Do tent-making bats use roosts as information centers?* Advisors: 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

- 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, Cuzzo 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

FUNDED RESEARCH PROPOSALS

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</i> with Dina KN Dechmann, R. Mark Brigham, Inge Müller, and Martin Wikelski	(€17,000)
2013-15	Marie 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 <i>Information and sociality: Do tent-making bats use roosts as information centers?"</i>	(\$50,000)
2009-10	J. William Fulbright Foundation Fellowship <i>Effects of habitat degradation on lemur development</i>	(\$20,000)
2010	Arizona State University Graduate and Professional Students Association <i>Development of sex differences in ring-tailed lemurs</i>	(\$750)
2009	National Science Foundation Doctoral Dissertation Improvement Grant <i>Development of sex differences in ring-tailed lemur feeding ecology</i>	(\$15,000)
2007	Sigma Xi Grant in Aid of Research	(\$400)

	<i>Stress hyporesponsivity as a life history strategy in juvenile and sub-adult ring-tailed lemurs</i>	
2007	Primate Conservation, Inc.	(\$1,870)
	<i>Socioecological influences on the development of sex differences in the feeding ecology of ring-tailed lemurs</i>	
2007	Arizona State University (ASU) Graduate and Professional Students Association	(\$2,000)
	<i>Development of sex differences in ring-tailed lemur feeding ecology</i>	
2007	ASU School of Human Evolution & Social Change (SHESC) Research Grant	(\$1,000)
	<i>Development of sex differences in ring-tailed lemur feeding ecology</i>	
2007	ASU SHESC Research Grant	(\$1,500)
	<i>Stress hyporesponsivity as a life history strategy in juvenile and sub-adult ring-tailed lemur</i>	
2005-07	ASU Division of Graduate Studies Grant-in-Aid of Research	(\$3,000)
2004	Sigma Xi ASU Chapter	(\$500)
	<i>Effects of feeding competition and habitat quality on cortisol levels in wild juvenile Lemur catta: The developmental and conservation consequences of stress”</i>	
2004	ASU Department of Anthropology Research Grant	(\$500)
	<i>Spatial variation in the activity and positional behavior of Ateles geoffroyi and its relationship to forest disturbance</i>	

AWARDS & RECOGNITIONS

2015	Grand Valley State University College of Liberal Arts and Sciences Distinguished Alumnus	
2013	Smithsonian Tropical Research Institute Travel Grant	(\$800)
2012	American Association of Physical Anthropologists	(\$500)
	William S. Pollitzer Travel Award	
2012	ASU Graduate and Professional Students Association Travel Grant	(\$770)
2012	ASU Division of Graduate Studies Travel Grant	(\$500)
2011	American Association of Physical Anthropologists,	(\$800)
	Sherwood Washburn Student Prize	
2011	American Association of Physical Anthropologists	(\$500)
	William S. Pollitzer Travel Award,	
2011	ASU SHESC Travel Grant	(\$500)
2010	ASU SHESC Travel Grant	(\$500)
2008	ASU Dean’s Advanced Scholarship	
2004-08	National Science Foundation Graduate Research Fellowship	
2003-07	ASU University Graduate Scholarship	
2007	ASU SHESC Travel Grant	(\$500)

2007	ASU Division of Graduate Studies Travel Grant	(\$1000)
2007	ASU Graduate and Professional Students Association Travel Award	(\$750)
2000-01	State of Michigan Competitive Scholarship	
1999-01	Grand Valley State University (GVSU) Biology Department Outstanding Major	
1999-00	GVSU Richard H. Flanders Anthropology Scholarship	
1997-01	GVSU Faculty Scholarship	
1997-01	GVSU Award for Excellence	
1997-01	GVSU Dean’s List	

CONFERENCE ABSTRACTS AND PRESENTATIONS

- O’Mara MT**, Kranstauber B, Safi K, Wikelski M, Dechmann DKN. 2015. The air up there: reconstructing 3D foraging flights of the common noctule. Presented at the 4th International Berlin Bat Meeting: Movement Ecology of Bats.
- Kohles J, Page RA, Dechmann DKN, **O’Mara MT**. 2014. Changes in roost behavior of tent-making bats (*Uroderma bilobatum*) during pup rearing. Presented at the 44th annual meeting of the North American Society for Bat Research, Albany NY.
- O’Mara MT**. Ring-tailed lemurs and the evolution of the primate juvenile period. *Am J Phys Anthropol* 153(S58): 199. Presented at the 83rd Meeting of the American Assoc. of Physical Anthropology, Calgary, Canada.
- O’Mara MT**, Wikelski M, Dechmann, DKN. 2013. 50 years of bat tracking: a review of device attachment and future directions. Presented at the 2013 International Bat Research Conference, San Jose Costa Rica.
- Dechmann DKN, **O’Mara MT**. 2013. Ecological niche and the evolution of social foraging. Presented at the 2013 International Bat Research Conference, San Jose Costa Rica.
- Page RA, Jones PL, **O’Mara MT**. 2013. Learning and flexibility in a neotropical frog-eating bat. Presented at the 2013 International Bat Research Conference, San Jose Costa Rica.
- O’Mara MT**, Dechmann DKN, Page RA. 2013. Frugivorous bats evaluate the quality of social information when choosing novel foods. Presented at the 50th Meeting of the Animal Behavior Society, Boulder CO
- O’Mara MT**. 2013. The ontogeny of sex differences in ring-tailed lemur feeding ecology: Costs of reproduction and niche partitioning *Am J Phys Anthropol* 150(S56): 210. Presented at the 82nd Meeting of the American Assoc. of Physical Anthropology, Knoxville, TN
- Bernal, XE, Touchon, J, **O’Mara MT.**, Page, RA. 2012. Use of acoustic space in a high diversity Neotropical anuran community. Presented at the 49th Annual Meeting of the Animal Behavior Society. Albuquerque, NM. USA.
- O’Mara MT**. 2012. Ecological risk aversion and juvenile ring-tailed lemur feeding ecology. *Am J Phys Anthropol* 147(S54): 227. Presented at the 81st Meeting of the American Assoc. of Physical Anthropology, Portland, OR
- O’Mara MT**. 2011. Ontogeny of feeding ecology in ring-tailed lemurs. *Am J Phys Anthropol* 144(S52): 229. Presented at the 80th Meeting of the American Assoc. of Physical Anthropology, Minneapolis, MN

- Hickey CM, **O’Mara MT**. 2011. The effects of infant presence on the rate of olfactory communication in female ring-tailed lemurs. *Am J Phys Anthropol* 144(S52): 162. Presented at the 80th Meeting of the American Assoc. of Physical Anthropology, Minneapolis, MN
- Fogel A, **O’Mara MT**, Yamashita N. 2010. How diet affects gastrointestinal microbial communities: A study of two sympatric lemurs (*Lemur catta* and *Propithecus verreauxi*) in Beza Mahafaly Special Reserve, Madagascar. *Am J Phys Anthropol* 141(S50): 105. Presented at the 79th Meeting of the American Assoc. of Physical Anthropology, Albuquerque, NM.
- O’Mara MT**. 2008. The influence of habitat quality on juvenile ring-tailed lemur (*Lemur catta*) feeding ecology and glucocorticoid levels. *Am J Phys Anthropol* 135(S46): 165. Presented at the 77th, Meeting of the American Assoc. of Physical Anthropology, Columbus, Ohio
- O’Mara MT**, Meredith SL. 2007. Development of sex differences in ringtailed lemur feeding ecology and social behavior. Presented at International Congress Prosimians 2007, Ithala Game Reserve, South Africa
- O’Mara MT**, Catlett KK, Terranova CJ, Schwartz GT. 2007. A comparative analysis of the ontogeny of body mass dimorphism in lorisooids. *Am J Phys Anthropol* 132(S44): 180. Presented at the 76th Meeting of the American Assoc. of Physical Anthropology, Philadelphia, Pennsylvania
- O’Mara MT**. 2006. Spatial variation in the activity and positional behavior of *Ateles geoffroyi ornatus* and its relationship to forest disturbance at Estación Biológica La Suerte, Costa Rica. *Am J Phys Anthropol*. 129(S42): 141. Presented at the 75th Meeting of the American Assoc. of Physical Anthropology, Anchorage, Alaska
- O’Mara MT**. 2003. Forest degradation and demographic changes in *Ateles geoffroyi* at Estación Biológica La Suerte, Costa Rica. *Am J Phys Anthropol*. 120(S36): 161. Presented at the 72nd Meeting of the American Assoc. of Physical Anthropologists. Tempe, AZ
- Jelinek P, Garber P, Bezanson M, DeLuyker A, **O’Mara MT**. 2003. A preliminary study of travel routes and spatial mapping in Nicaraguan mantled howler monkeys (*Alouatta palliata*). *Am J Phys Anthropol*. 120(S36): 122. Presented at the 72nd Meeting of the American Assoc. of Physical Anthropologists. Tempe, AZ
- O’Mara MT**, Hunt KD. 2002. The Semliki Chimpanzee Project. The Newsletter, Primate Foundation of Arizona. 13(2): 1

INVITED TALKS

- Distinguished Lecture, Department of Anthropology, Grand Valley State University. “*The social information economy*”. October 2015
- Department of Collective Behaviour, Max Planck Institute for Ornithology. “*Social eavesdroppers: information use & discrimination in bats*”. July 2015.
- Institute of Ecology and Evolution, University of Bern. “*Leveraging social information under energetic constraints*” May 2015.
- Zukunftskolleg lecture, University of Konstanz. “*Leveraging social information under energetic constraints*” January 2015.
- Behavior Discussion Group, Smithsonian Tropical Research Institute. “*Social learning and information discrimination in bats*”. May 2014

- Department of Biology, University of Konstanz. “*Social learning and information discrimination in bats*”. December 2013

TEACHING EXPERIENCE

Lecturer

- 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.

Guest Instructor

- Taught methods & theory of radio tracking and animal movement for University of Konstanz immersion Master’s course “Biology Going Wild: Radiotracking, behavior & biology”. 2013.
- Guest Lecturer on bat behavior & evolution. STRI – University of Illinois IGERT: Vertically Integrated Training with Genomics
- Lecturer & mini-course (in Spanish) on bat behavior and biology Curso de Introducción a las Ciencias Biológicas de Campo. Instituto de Investigaciones Tropicales Smithsonian, Gamboa, Panamá 2011. Lectures on bat biology and behavior, and helped 15 students from Latin America implement a small experiment including design, data collection, analysis and a 15 minute presentation.
- Lecturer & mini-course on neotropical ecology. “Biomimicry in Panama”, School of Design & School of Life Sciences, Arizona State University, Gamboa, Panamá. 2011.
- Lecturer & mini-course on primate ecology. Tropical Field Biology graduate field course, School of Life Sciences, Arizona State University, Gamboa, Panamá. 2011.

Teaching Associate. Arizona State University (2003-2009)

- Taught and developed laboratory modules for 8 sections of Bones, Stones, & Human Evolution (2003-2008)
- Taught 2 sections of Primatology (2006, 2008)
- Taught & developed laboratory modules for 1 section of Human Behavior through Stable Isotope Analysis (2009)
- Field Course Teaching Assistant: Maderas Rainforest Conservancy (2001-2005): Primate Behavior & Ecology (2 courses), Primate Behavior (2 courses). La

Primavera, Costa Rica; DANTA: Primate Behavior and Conservation. El Zota, Costa Rica (2005).

SERVICE AND OUTREACH

- Invited reviewer for: Acta Chiropterologica, American Journal of Physical Anthropology, American Journal of Primatology, Behavioral Ecology and Sociobiology, Folia Primatologica, International Journal of Primatology, Journal of Human Evolution, Journal of Mammalogy, Journal of Zoology, Madagascar Conservation and Development, PLoS One
- Guest editor: Folia Primatologica
- Grant & student competition reviewer, & judge: American Associate of Physical Anthropology Student Prizes (20012-2014), ASU Graduate & Professional Students Association JumpStart grants (2008-2012), International Science & Engineering Fair Sigma Xi judge (2005)
- Organizer: Gamboa Seminar Series, Gamboa Panamá (2012-2013), ASU Graduates in Earth Life and Social Sciences (GELSS) annual conference (2005-2007)
- Professional memberships: American Society of Naturalists, American Association of Physical Anthropologists, American Society of Primatologists, Animal Behavior Society, International Primatological Society, Sigma Xi Scientific Research Society, Society for Integrative and Comparative Biology

MEDIA APPEARANCES, COVERAGE, AND PUBLIC OUTREACH

- *The Bat Trackers*. TRÓPICOS January 2015: issuu.com/strinewspanama/docs/tropicos_jan_2015
- Max Planck Institute for Ornithology MaxCine public talks: Kids Go Science Exklusive, Kids Go Science, and Science Goes Public “*Das Leben der Lemuren*” <http://www.orn.mpg.de/3451258/Teague-O-Mara-MaxCine-24-10-2014.pdf>
- Jack Hanna’s Into the Wild Episode 701: “*Panama: Going Batty*” (2013)
- Red Flag Magazine Issue 8, February 2014. “*A Night in the Life of a Scientist in the Field*” By Vanessa Boshoff. <http://redflag.org/magazine/issue-8/a-night-in-the-life-of-a-scientist-in-the-field/>

REFERENCES

Professor Leanne T. Nash (dissertation advisor)
School of Human Evolution & Social Change
Arizona State University
Box 872402
Tempe, AZ 85287
USA
Email: Leanne.Nash@asu.edu
Phone: +1.480.965.6215

Dr. Rachel A. Page (former postdoctoral advisor)
Smithsonian Tropical Research Institute
Apartado 0843-03092
Balboa, Ancón
Republic of Panamá
Email: pager@si.edu
Phone: +507.212.8509

Dr. Dina KN Dechmann (postdoctoral advisor)
Department of Migration & Immuno-ecology
Max Planck Institute for Ornithology
Am Obstberg 1
78315 Radolfzell
Germany
Email: ddechmann@orn.mpg.de
Phone: +49.7732.150.173

Professor Martin Wikelski (postdoctoral advisor)
Department of Migration & Immuno-ecology
Max Planck Institute for Ornithology
Am Obstberg 1
78315 Radolfzell
Germany
Email: wikelski@orn.mpg.de
Phone: +49.7732.150.125