

David M. Logue

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Academic Positions

Associate Member January 2019 – Present

Department of Biological Sciences, University of Lethbridge

Associate Professor July 2018 – Present

Department of Psychology, University of Lethbridge.

Assistant Professor January 2015 – June 2018

Department of Psychology, University of Lethbridge.

Adjunct Professor August 2015 – Present

Departamento de Biología, Universidad de Puerto Rico, Mayagüez.

Associate Professor July 2014 – December 2014

Departamento de Biología, Universidad de Puerto Rico, Mayagüez.

Assistant Professor January 2009 – July 2014

Departamento de Biología, Universidad de Puerto Rico, Mayagüez.

Visiting Professor January 2005 – July 2005

Department of Biology, Colorado State University, Fort Collins, Colorado.

Education

Postdoctoral Fellow 2005 – 2009

Department of Biological Sciences, University of Lethbridge, Alberta. Supervisor:
William H. Cade.

Ph.D. 2004

Zoology, Colorado State University. Dissertation title: Duet structure and the adaptive significance of coordinated singing in the black-bellied wren. Supervisor: Myron C. Baker.

Bachelor of Science 1999

Biology: Ecology, Behavior, and Evolution, University of California San Diego.

Research Interests

Acoustic communication

Vocal interaction, vocal performance, signal repertoires, & signal assessment

Behavior and conservation

Individual differences in behavior

Peer-reviewed Papers

Undergraduate collaborators are underlined

Mitchell, L., Benedict, L., Cavar, J., Najar, N., & **Logue, D.M.** (in press). The evolution of duetting and migration in wood-warblers. *The Auk*.

Kaluthota, C., Medina, O. & **Logue, D.M.** (2019). Quantifying song categories in Adelaide's warbler (*Setophaga adelaidae*). *Journal of Ornithology*.

Hedley, R., **Logue, D.M.**, Benedict, L., Mennill, D. (2018). Assessing the similarity of song syntax among birds: Evidence for inter-species variation. *Animal Behaviour*. 140: 161-170. doi: 10.1016/j.anbehav.2018.04.008.

Odom, K., **Logue, D.M.**, Studds, C., & Omland, K. (2017). Duetting behavior varies with sex, season, and singing role in a tropical oriole (*Icterus icterus*). *Behavioral Ecology*. doi:10.1093/beheco/axx087.

Schraft, H., Medina, O., McClure, J., Pereira, D., & **Logue, D.M.** (2017). Within-day improvement in a behavioural display: Wild birds 'warm up'. *Animal Behaviour*. 124: 167-174. doi: 10.1016/j.anbehav.2016.12.026.

Odom, K.J., Omland, K.E., McCaffrey, D.R., Monroe, M.K., Christliff, J.L., Roberts, N.S., **Logue, D.M.** (2016). Typical males and unconventional females: songs and singing behaviors of a tropical, duetting oriole in the breeding and non-breeding season. *Frontiers in Ecology and Evolution*. doi: 10.3389/fevo.2016.00014.

Logue, D.M. & Krupp, D. (2016). Duetting as a collective behavior. *Frontiers in Ecology and Evolution*. doi: 10.3389/fevo.2016.00007.

- Grieves, L., **Logue, D.M.** & Quinn, J.S. (2015). Ready to fight: Reliable predictors of aggression in a cooperatively breeding non-passerine bird. *Ethology*. 121. doi: 10.1111/eth.12430.
- Grieves, L., **Logue, D.M.** & Quinn, J.S. (2015). Vocal repertoire of the cooperatively breeding Smooth-billed Ani. *Journal of Field Ornithology*. 86: 130-143.
- Flores, C., **Logue, D.M.**, Santos, C. (2014). Native white-lipped frog larvae (*Leptodactylus albilabris*) outcompete introduced cane toad larvae (*Rhinella marina*) under laboratory conditions. *Herpetological Conservation and Biology*. 9: 378-386.
- Logue, D.M.**, & Hall, M.L. (2014). Migration and the evolution of duetting in songbirds. *Proceedings of the Royal Society of London, Series B*. 281: 20140103.
- Grieves, L., **Logue, D.M.** & Quinn, J.S. (2014). Joint-nesting smooth-billed anis, *Crotophaga ani*, use a functionally referential alarm call system. *Animal Behaviour*. 89: 215-221.
- Baker, M., Baker, M.C., **Logue, D.M.** (2013). Chorus song of the indri (*Indri indri*: Primates, Lemnidae): Group differences and analysis of within-group vocal interactions. *International Journal of Comparative Psychology*. 26: 241-255.
- Logue, D.M.**, & Stivers, T. (2012). Squawk-in-interaction: a primer of conversation analysis for students of animal communication. *Behaviour*. 149:1283-1298.
- Taras K Oleksyk, Jean-Francois Pombert, Wilfried Guiblet, Brian Ramos, Anyimilehidi Mazo, Christina T. Ruiz-Rodriguez, Michael L. Nickerson, Yashira Afanador, Daniel Siu, Ricardo Valentin, Luis Figueroa, Michael Dean, **David M. Logue** and Juan-Carlos Martinez-Cruzado. (2012). A locally funded Puerto Rican Parrot (*Amazona vittata*) genome sequencing project increases avian data and advances young researcher education. *GigaScience*.
- Mishra, S., **Logue, D.M.**, Abiola, I., & Cade, W.H. (2011) Developmental environment affects risk-acceptance in the hissing cockroach *Gromphadorhina portentosa*. *Journal of Comparative Psychology*. 125:40-47.
- Logue, D.M.**, Takahashi, A., & Cade, W.H. (2011) Aggressiveness and size: A model and two tests. *The American Naturalist*. 177:202-210.
- Logue, D.M.**, Abiola, I., Raines, D., Bailey, N., Zuk, M., & Cade, W.H. (2010). Does signaling mitigate the cost of agonistic interactions? A test in a cricket that has lost its song. *Proceedings of the Royal Society of London, Series B*. 277:2571-2575.

- Logue, D.M.**, Mishra, S., McCaffrey, D., Ball, D., & Cade, W.H. (2009). A behavioral syndrome linking courtship toward males and females predicts reproductive success from a single mating in the hissing cockroach, *Gromphadorhina portentosa*. *Behavioral Ecology*. 20:781-788.
- Logue, D.M.** & Forstmeier, W. (2008). Constrained performance in a communication network: Implications for the function of song-type matching and the evolution of multiple ornaments. *The American Naturalist*. 172:34-41.
- Logue, D.M.**, Chalmers, C. & Gowland, A.H. (2008). The behavioural mechanisms underlying temporal coordination in black-bellied wren duets. *Animal Behaviour*. 75: 1803-1808.
- Logue, D.M.** (2007). Duetting in space: A radio-telemetry study of the black-bellied wren. *Proceedings of the Royal Society of London, Series B*. 274:3005-3010.
- Baker, M.C. & **Logue, D.M.** (2007). A comparison of three noise reduction procedures applied to bird vocal signals. *Journal of Field Ornithology* 78:240-253.
- Logue, D.M.** (2007). A male Greater Ani (*Crotophaga major*) gives a nuptial gift during copulation. *Ornitología Neotropical* 18:311-312.
- Logue, D.M.**, Droessler, E., Roscoe, D., Vokey, J., Rendall, D., & Kunimoto, R. (2007). Sexually antithetical song structure in a duet singing wren. *Behaviour* 144:331-350.
- Auer, S.K, **Logue, D.M.**, Bassar, R.D. & Gammon, D.G. (2007). Nesting biology of the Black-bellied wren in central Panama. *Wilson Journal of Ornithology* 119:71-76.
- Logue, D.M.** (2007). How do they duet? Sexually dimorphic behavioural mechanisms structure duet songs in the black-bellied wren. *Animal Behaviour* 73:105-113.
- Logue, D.M.** (2006). The duet code of the female black-bellied wren. *The Condor* 108:327-336.
- Logue, D.M.** (2005). Cooperative defence in duet singing birds. *Cognition, Brain, Behavior* 9:497-510.
- Logue, D.M.**, Gammon, D.E. & Baker, M.C. (2005). MiniDisc recorders versus audiocassette recorders: A performance comparison. *Bioacoustics* 15:15-33.

Logue, D.M. & Gammon, D.E. (2004). Duet song and sex roles during territory defence in a tropical bird: the black-bellied wren, *Thryothorus fasciatoventris*. *Animal Behaviour* 68: 521-531.

Baker, M. C. & **Logue, D. M.** (2003). Population differentiation in a complex bird sound: a comparison of three bioacoustical analysis procedures. *Ethology* 109: 225-244.

Book Chapters and Other Scientific Publications

Logue, D.M. & Kaluthota, C. (2018). Vocal duetting in songbirds. In *The Encyclopedia of Cognition and Behaviour*. Springer.

Kaluthota, C. & **Logue, D.M.** (2018). Songbird learning. In *The Encyclopedia of Cognition and Behaviour*. Springer.

Logue, D.M. (2017). Why do birds sing more than one song? In: *Psychological Sketches 13th Edition*. (Ed. by J. R. Vokey & S. W. Allen). Lethbridge, Alberta: PsΨence Publishing Society.

Logue, D.M. (2015). Bird song for beginners. In: *Psychological Sketches 11th Edition*. (Ed. by J. R. Vokey & S. W. Allen). Lethbridge, Alberta: PsΨence Publishing Society.

Mather, J. & **Logue, D.M.** (2013). The bold and the spineless: Invertebrate personalities. In: *Animal Personalities: Behavior, Physiology, and Evolution* (Ed. by C. Carere & D. Maestripieri). Chicago: University of Chicago Press.

Manuscripts in Preparation, Review, & Revision

Trillo, P.A., Benson, C.S., Caldwell, M.S., Lam, T. L., Pickering, O. H., & **Logue, D. M.** (in review). The influence of signaling conspecific and heterospecific neighbors on eavesdropper pressure. *Frontiers in Evolution and Ecology*.

Logue, D.M., Sheppard, J., Walton, B., Brinkman, B., Medina, O. (in preparation). Performance constraints in Adelaide's warbler song.

Martinez, T., & **Logue, D.M.** (in preparation). Conservation practices induce dialect formation in the endangered Puerto Rican amazon (*Amazona vittata*).

Pereira, D., Lindsey, M., Dai, P., Mitchell, L., Sheppard, J., Medina, O., & **Logue, D.M.** (in preparation). Experimental evidence that a songbird matches song-types to manage alignability, not to signal aggressive intent.

Kaluthota, C., **Logue, D.M.**, & Rendall, D. (in preparation). Traditional and network metrics of song organization vary over time and breeding phase in house wrens.

Medina, O., Staicer, C., & **Logue, D.M.** (in preparation). Vocal duetting in Adelaide's warbler (*Setophaga adelaidae*).

Grants, Fellowships, and Internships

University of Lethbridge Research Fund, 2018 (\$6000)
NSF Core grant Preliminary proposal, 2015 (invited)
NSERC Discovery Grant, 2015 (\$24,000 / yr over five years)
University of Lethbridge Startup Fund, 2015 (\$40,000)
NSF Core grant Preliminary proposal, 2014 ("High Quality", invited)
UPRM Arts and Sciences competitive seed funds, 2012 (\$3,000)
Howard Hughes Medical Institute grant for undergraduate research, 2012 (\$1,500)
Fideicomiso de Ciencia, Tecnología e Investigación de Puerto Rico Grant for the Undergraduate Research Symposium, Co-PI with Luis Rios, 2012 (\$8,500, declined)
PR-LSAMP grant for undergraduate research, 2011 (\$500)
Fideicomiso de Ciencia, Tecnología e Investigación de Puerto Rico Grant for the Undergraduate Research Symposium, Co-PI with Luis Rios, 2011 (\$2,500)
UPRM Arts and Sciences competitive seed funds, 2010 (\$3,500)
Postdoctoral Fellowship, University of Lethbridge, (salary and support) 2005-2009
Frank Chapman Memorial Grant, American Museum of Natural History, 2004 (\$2,000)
Smithsonian Tropical Research Institute Short Term Fellowship, 2004 (\$2,320)
Smithsonian Internship, 2003 (\$9,200)
Smithsonian Tropical Research Institute Short Term Fellowship, 2002 (\$4,700)
Grinnell Award, Cooper Ornithological Society, 2002 (\$1000)
Smithsonian Internship, 2001 (\$4,200)

Teaching

Teaching Priorities

Critical thinking
Evolutionary theory
Communication skills
Research experience

The scientific method
Working with data

Courses Taught

Acoustic Analysis for the Behavioural Sciences, University of Lethbridge
Animal Behavior with Lab (5x), Universidad de Puerto Rico, Mayagüez
Animal Behavior, Colorado State University
Animal Communication, Universidad de Puerto Rico, Mayagüez
Animal Communication (3x), University of Lethbridge
Behaviour and Evolution (2x), University of Lethbridge
Behavioral Ecology (2x), Universidad de Puerto Rico, Mayagüez
Behavioral Ecology, University of Lethbridge
Evolution (8x), Universidad de Puerto Rico, Mayagüez
Introduction to Psychology (team taught, 5x), University of Lethbridge
Ornithology, Colorado State University
The Psychology of Choice (4x), University of Lethbridge
Tropical Ecology and Conservation, University of Lethbridge
Undergraduate Seminar (2x), Universidad de Puerto Rico, Mayagüez

Special Courses

Data Skills in R. (2018). A short workshop for my lab group at the University of Lethbridge.
Bioacoustics Workshop. (2014). Lead organizer and lecturer. Universidad de Puerto Rico, Mayagüez.
Ecology REU. (2013). Guest instructor. Miami University, Ohio.
Field Course in Tropical Ecology. (2004). Guest scientist. STRI and Universidad de Panamá. Gigante, Panamá
Field Course in Tropical Ecology. (2002). Guest scientist. STRI and Universidad de Panamá. Gigante, Panamá

Invited Teaching Lectures

Logue, D.M. (2017). Motor performance in singing birds. Biology 4500. University of Lethbridge.
Logue, D.M. (2012). Applying to Graduate School. SACNAS. University of Puerto Rico, Mayagüez.
Logue, D.M. (2011). Three Cutting Edge Ideas in Biology and Mathematics. AForMAR science teaching workshop. Rincón, Puerto Rico
Logue, D.M. (2011). Three Ways to Help Your Students Prepare for University Level Science. AForMAR science teaching workshop. Rincón, Puerto Rico

Logue, D.M. (2009). Sexual Selection. Department of Biology. The University of San Francisco.

Logue, D.M. (2009). Biodiversity. Department of Biology, The Ohio State University, Lima.

Logue, D.M. (2009). Sexual Selection. Department of EEOB. The Ohio State University. Columbus, Ohio.

Logue, D.M. (2008). Viruses and Bacteria. Department of Biology, Earlham College, Richmond, Indiana.

Ph.D. Committees

Candace Burke (committee member)

Rachel Stark (committee member)

Ednei do Santos (co-supervisor) Ph.D. awarded May 2018

Chinthaka Kaluthota (co-supervisor) Ph.D. awarded June 2016

Postdoctoral fellow in my lab 2016-present

Master's Committees

Peter Mower (supervisor)

Samantha Krause (supervisor)

U of L Dean's Scholarship

SGS Fellowship

NSERC Canada Graduate Scholarship (\$17,500)

Graham McKenzie (committee member)

Benjamin Brinkman (committee member)

U of L Dean's Scholarship

Sarah Unrau (committee member)

Catherine Welke (committee member) M.Sc. awarded November 2018

Erica Bonderud (external committee member) M.Sc. awarded December 2017

Rachel Stark (committee member) M.Sc. awarded September 2017

Currently a Ph.D. student at the University of Lethbridge

Tanya Martinez (supervisor) M.S. awarded July 2016

Currently working for the Puerto Rican parrot recovery project.

Orlando Medina (supervisor) M.S. awarded December 2015

Currently working for the US Fish and Wildlife Service.

Christian Cely (committee member) M.S. awarded June 2014

Currently a Ph.D. student at The University of Michigan

Rocio Prieto (supervisor) Withdrew for personal reasons

Brian Ramos (supervisor) M.S. awarded July 2013

Currently a Ph.D. student at New Mexico State University

Daniel Pereira (supervisor) M.S. awarded July 2013

Currently a Ph.D. student at Universidad del Valle

Shakira Quiñones (committee member) M.S. awarded Dec 2012

Currently a Ph.D. student at The University of Vermont

Chris Flores Nieves (committee member) M.S. awarded May 2012.

Currently an elementary school teacher in Puerto Rico

Ph.D. Comprehensive Requirements Supervisor

Sandeep Mishra 2008-09. Department of Psychology. University of Lethbridge.

Currently an assistant professor at the University of Regina

Undergraduate Research Supervisor

* *Student presented the project at a symposium*

† *Student earned coauthorship on a published paper*

78. Samantha Boothe 2018. Song and space in Adelaide's warbler.
77. Dragos Vunvulea 2018. Judgement and decision making.
76. Samantha Tinworth 2018. Song and space in Adelaide's warbler.
75. Philip Dai 2017-18. Song type matching and performance.
74. Marlowe Lindsey 2017-18. Song type matching and performance.
73. Ashwin Gupta 2017-18. Automated song type classification in Luscinia.
72. Afka Stadelman 2017. Does noise affect song structure in house wrens?
71. Svitlana Bilyavska 2017. Song type use and performance in Adelaide's warbler.
70. Liam Mitchell 2017-18. Automated song type identification with acoustic PCA.
NSERC USRA: Summer, 2018
69. Jacob Sheppard 2017-18. Song performance and harmonicity in Adelaide's warbler.
NSERC USRA: Summer, 2018
68. Jakica Cavar 2017. The evolution of duetting in the New World warblers.
67. John Walkey 2016. Cognition and the brain.
66. Peter Mower 2016-2018. Song type use and performance in Adelaide's warbler.*
65. Benjamin Brinkman 2016. Song performance and harmonicity in Adelaide's warbler.
M.Sc. student at University of Lethbridge (Andrew Iwaniuk), began Fall 2017
64. Nicole Desautels 2015. Duetting birds as entrained oscillators.
D.V.M. student at University of Calgary, beginning Fall 2017
63. Tony Shlakoff 2015. Song structure in Adelaide's warbler.
62. Bailey Parker 2015-2017. Song structure in Adelaide's warbler.*
NSERC USRA Summer, 2017
61. Casandra Logue 2015. Song structure in Adelaide's warbler.
60. Joshua Baez 2014. The evolution of duetting in warblers.
59. Ruben Irizarry 2014. Song structure in Adelaide's warbler.
58. Alicia Garcia 2014. Song structure in Adelaide's warbler.
57. Francheska Rivera 2014. Factors affecting variation in singing performance.
56. Dimaris Colon 2014. Automated measurement of structural centrality.*
55. Claudia Rios 2014. Automated measurement of structural consistency.*
54. Paloma Velasco 2014. Automated song-type discrimination.*
53. Alberic Ponce de Leon 2013-2014. Song sequence analysis in Adelaide's warbler.*
52. Francisco Gomez 2013-2014. Vocal dialects in the Puerto Rican Parrot.*
M.Sc. degree from the University of Lethbridge 2017
Ph.D. student, at the University of Lethbridge, began 2017
51. Paloma Sanchez 2013-2014. Song sequence networks in Adelaide's warbler.*

- Received Turner Award from the Animal Behavior Society in 2014*
Presented a talk at the Animal Behavior Society meeting in 2014
Presented a poster at the Animal Behavior Society meeting in 2013
50. Yesenia Rivera 2013. Singing behavior in Adelaide's warbler.
 49. Silka Rivera 2013. A comparison of automated acoustic analysis software.
 48. Sigfredo Martínez Machado 2012-2014. Troupial song structure.*
 47. Jonathan Torres Conty 2012. A new paradigm for studying female preference.*
 46. Isabel Rojas Ferrer 2012-2014. Rhythmic meter in troupial songs.*
Received Turner Award from the Animal Behavior Society in 2013
Presented a poster at the Animal Behavior Society meeting in 2013
M.S. degree from University of Missouri – St. Louis (Aimee Dunlap) in 2016
Ph.D. student at University of Ottawa (Julie Morand-Ferron)
45. Alfredo Lamela Domenech 2012. Singing behavior in Adelaide's warbler.
 44. Alejandra Mongil Velazquez 2012. Singing behavior in Adelaide's warbler.
 43. Kryztal Medina Torres 2012-2013. Singing behavior in Adelaide's warbler.
 42. Noelia Nieves 2012. Evolution of vocal duetting in songbirds.
 41. Wildeby Borges 2012. Evolution of vocal duetting in songbirds.*
 40. Jorge Illanas 2012. Divided repertoires in Adelaide's warbler.*
Best presentation Regional meeting of the National Honor Society (β β β) 2013
39. Fabio Tarazona 2012-2013. Song overlapping in Adelaide's warblers.*
Best presentation Regional meeting of the National Honor Society (β β β) 2014
Outstanding Presentation in Evolution, Undergraduate Research Symposium
Awarded HHMI grant for travel to research meeting.
Presented a poster at the Animal Behavior Society meeting in 2013
Ph.D. student at New Mexico State University
38. Ricardo Liquez Gonzalez 2011- 2012. Behavioral compatibility in a parrot.
 37. Isamarie Acosta Morales 2011 - 2012. Performance in warbler songs.
 36. Jaitza Rivera Ramirez 2011. A comparative study of avian duetting.
 35. Hannes Schraft 2011-2013. Context and song structure in Adelaide's warbler.*
Outstanding Presentation in Ecology, Undergraduate Research Symposium (2x)
Awarded HHMI grant for travel to research meeting.
Presented a poster at the Animal Behavior Society meeting in 2013
Ph.D. student at UC Davis / CSU San Diego
34. Nardia Sierra Montalvo 2010-2011. A comparative study of avian duetting.
 33. Maria E. Cruz Muñoz 2010. A comparative study of avian duetting.
 32. Gerardo Gonzales Quintero 2010-2011. Performance constraints in bird song.*
Outstanding Presentation in Ecology, Undergraduate Research Symposium
31. Beatriz Romero Cordero 2010. Duetting in the endangered Puerto Rican Parrot.
 30. Hans Cancel Villamil 2010. A comparative study of avian duetting.
 29. Crisanta Serrano Collazo 2010. A comparative study of avian duetting.
 28. Cristina Garcia Ruiz 2010. A comparative study of avian duetting.
 27. Alan Nielson 2009. Do hissing cockroaches recognize individuals by chemical cues?*

Luke Stebbins Prize for Undergraduate Research Achievement

26. Ryan Pederson 2009. Aggressiveness and dominance in male hissing cockroaches
25. Rachel Shields 2009. Aggressiveness and dominance in male hissing cockroaches
24. April Takahashi 2008-2009. Does aggression influence resource holding potential?†
23. Malyssa Hornbeck 2008-2009. An assay to measure 'libido' in a hissing cockroach*
22. Kristen Reti 2008. Can risk sensitivity explain behavioral syndromes?
21. Ashley Marchuk 2008. Does noise influence song frequency in black-bellied wrens?*
20. Ife Abiola 2008-2009. The function of acoustic agonistic signals in a field cricket *†
19. Derek Raines 2007-2008. The function of agonistic signals in a field cricket †
18. Jennifer Sundsten 2007-2008. Can risk sensitivity explain behavioral syndromes? *
17. Fauve Martens 2007. 'Courtship hissing' and female choice in a cockroach
16. David McCaffrey 2007-2008. Behavioral syndromes in a cockroach: Social effects*†
15. Kelly Dick 2007. Behavioral syndromes in a cockroach: Aggression syndromes*
14. Drew Andreachuk 2007-2008. Behavioral syndromes in a cockroach: Social effects*
13. Heather Gowland 2007. Timing of replies in naturally occurring wren duets†
12. Deborah Ball 2007. Behavioral syndromes in a cockroach: Sexual syndromes*†
11. Carli Chalmers 2006. Timing of replies in experimentally generated wren duets*†
10. David Roscoe 2006. Sexually antithetical bird song: Multi-taper spectral analysis*†
9. Carly Cheung 2006. Acoustic energy indicates size in hissing cockroaches*
8. Elizabeth Lounds 2006. Size constraints on disturbance and courtship signals*
7. Erika Droessler 2005. Sexually antithetical bird song: Frequency characteristics*†
6. Robyn Kunimoto 2005. Sexually antithetical bird song: Temporal characteristics†
5. John Keyes 2005. Acoustic communication in crickets and cockroaches
4. Mikaela Vettters 2004. Snowshoe hare populations in the Rocky Mountains
3. Jodi Hoppes 2004. Territory use by male and female black-bellied wrens
2. Bradley Bisbee 2002-2003. Duet function in black-bellied wrens
1. Samantha Sasman 2001. Comparing two acoustic analysis procedures

Professional Activities

Professional Society Memberships

Animal Behavior Society

Licensed master bird-bander

Referee

American Midland Naturalist

Animal Behaviour

Animal Cognition

Auk

Australian Journal of Zoology

Behavioral Ecology

Behavioral Ecology and Sociobiology

Behaviour

Behavioural Processes

Bioacoustics

Biological J. of the Linnean Society

Biology Letters

The Condor
Ecological Research
Endangered Species Research
Ethology
Evolution
Frontiers in Ecology and Evolution
Journal of the Acoustic Society of
America
Journal of Avian Biology
Journal of Field Ornithology
Journal of Natural History

BMC Biology
Journal of Ornithology
National Science and Engineering
Research Council (Canada)
National Science Foundation (USA)
Ornitología Neotropical
Proceedings of the Royal Society of
London, Series B
Science
Wilson Journal of Ornithology

Grant Proposal Review

2017 – 2020 – Alberta Conservation Association (Grants in Research and Biodiversity)
2016, 2019 – NSERC (*ad hoc*)
2015 – Animal Behaviour Society (student awards)
2013 – National Science Foundation

Faculty Committees

2012 – 2014. Graduate Committee
2011– 2014. Undergraduate Research Symposium (President)
2009 – 2014. Bioinformatics Committee
2009-2011. Toro Negro Research Station Committee
2009. Ecology Committee (President)

Founder

Animal Communication graduate seminar
UPRM Biology: Distinguished Speakers Series
UPRM Biology: Undergraduate Research Symposium in Biology
UPRM Biology Facebook Group
Acoustic Communication and Sexual Selection Reading Group
Behavioral Syndromes Reading Group
The “Biologists’ Breakfast Club” Working Group
Classic Papers in Animal Behavior Seminar
Classic Papers in Ecology Seminar

Selected Popular Press Coverage

Wexler, M. (2017). Tuning up their vocal cords. National Wildlife.
www.nwf.org/News-and-Magazines/National-Wildlife/News-and-

Views/Archives/2017/News-of-the-Wild-Jun-Jul.aspx. *A short article about warming up in Adelaide's warblers.*

Bard, S. (2017). Birdsong warm-ups. AAAS Science Update.
www.scienceupdate.com/2017/02/song-2/. *An interview with Hannes Schraft about our research on warming up in Adelaide's warblers.*

Milius, S. (2016). Warm-up benefits could explain morning birdsong. *ScienceNews*. August 25: www.sciencenews.org/article/warm-benefit-could-explain-morning-birdsong. *Milius interviews me about a talk I gave at the NAO.*

Beepcast with Dr. Hannah Rowland. (2015). January podcast.
www.thebeepcast.blogspot.ca/2015/03/jan-2015-niels-dingemanse-and-animal.html. *In this podcast, Rowland interviews Leanne Grieves about our work on alarm calls in smooth-billed anis.*

redOrbit Staff Community. (2012). Fundraising Effort Helps Researchers Sequence Parrot Genome. www.redorbit.com/news/science/1112703279/genome-sequenced-puerto-rican-parrot-092912/. *This is one of many articles about the parrot genome project.*

Menino, H. (2012). *Calls Beyond Our Hearing: Unlocking the Secrets of Animal Voices*. St. Martin's press.
Chapter four of this book, "Rules to Sing By," describes my research on duet song. An excerpt is available here: www.audubonmagazine.org/articles/birds/rules-sing.

Bhanoo, S. N. (2010). Not too large, not too small, but spoiling for a fight. *New York Times*. Dec 22. www.nytimes.com/2010/12/28/science/28obcockroach.html

Borrell, B. (2010). Squawking duets of Puerto Rican Parrots. *Smithsonian.com*. Posted May 18, 2010: blogs.smithsonianmag.com/science/2010/05/18/squawking-duets-of-puerto-rican-parrots.

CBC radio (2010). Silent means deadly. *Quirks & Quarks*. Air date April 17, 2010: www.cbc.ca/quirks/archives/09-10/qq-2010-04-17.html.

Milius, S. (2008). Bisexual cockroach dads. *ScienceNews*. August 22: www.sciencenews.org/view/generic/id/35763/title/Bisexual_cockroach_dads

McIlroy, A. (2008). Smokin' roaches. *The Globe and Mail*. August 16: www.theglobeandmail.com/servlet/story/RTGAM.20080816.wanne16/BNStory/Front/home.

Wiebe, J. (2008). Less talented songbirds whistle a different tune. *The Lethbridge Herald*. June 7: A3. www.lethbridgeherald.com/article_11017.php.

McIlroy, A. (2008). Songbirds do battle. *The Globe and Mail*. May 31. www.theglobeandmail.com/servlet/story/LAC.20080531.ANNE31//TPStory/Focus

Choi, C.Q. (2008). Male songbirds' sly tricks can get them girls. *MSNBC*. www.msnbc.msn.com/id/24777088/.

Callaway, E. (2008). 'Poets' and 'jocks' can both win in songbird duels. *New Scientist*. www.newscientist.com/channel/life/dn13943-poets-and-jocks-can-both-win-in-songbird-duels.html?feedId=online-news_rss20.

Highfield, R. (2007). Love songs of wrens revealed. *Daily Telegraph Online*. www.telegraph.co.uk/earth/main.jhtml?view=details&grid=&xml=/earth/2007/09/28/eawren128.xml.

Casselmann, A. (2007). Birds that sing together scare off invaders. *National Geographic News*. news.nationalgeographic.com/news/2007/06/070605-birds-song.html.

Milius, S. (2006). Just Duet. *ScienceNews*. 169:58-60.

Research Presentations

The first name in each citation represents the presenter

Undergraduate collaborators are underlined

Posters are marked with an asterisk ()*

Presentations at Meetings

Benedict, L., Hathcock T.J., Najar, N., Mitchell, L., Cavar, J., **Logue, D.M.** (2019) Female Bird Songs – The other half of the conversation. American Ornithological Society. Anchorage, Alaska.

Logue, D.M., Sheppard, J., Walton, B., Brinkman, B., and Medina, O.J. (2018) Note-level analysis of performance constraints in a bird song. Animal Behaviour Society. Milwaukee, Wisconsin.

Logue, D.M., Schraft, H., Medina, O., McClure, J., Pereira, D. (2017). Wild birds warm up. Winter Animal Behavior Conference. Steamboat Springs, CO. *I was honored to participate in the 2017 Winter Animal Behavior Conference (WABC) in Steamboat Springs, Colorado. This invitation-only conference brings together ~30 behavioral scientists for an intensive week of talks and networking.*

Female song roundtable (2016). I was invited to participate in a roundtable on the topic of female birdsong at the 2016 meeting of the North American Ornithological Conference in Washington, D.C.

Parker, B., Medina, O., & **Logue, D.** (2016). Collecting competing constraints: Poor performance or multiple metrics? Prairie University Biology Symposium, Lethbridge, Alberta.

Logue, D.M., Schraft H.A., Median O., McClure J. & Pereira D. (2016). Within-day improvement in a behavioural display: Wild birds 'warm up'. North American Ornithological Conference, Washington D.C.

Odom, K., **Logue, D.M.**, Studds, C., & Omland, K. (2016). Differences in female and male duetting behavior in a tropical breeding songbird. North American Ornithological Conference, Washington D.C. *I was credited as an author in the talk, but not in the abstract book.*

Martinez, T. & **Logue, D.M.** (2016). Conservation practices induce dialect formation in the endangered Puerto Rican amazon (*Amazona vittata*). North American Ornithological Conference, Washington D.C.

Schraft H.A., Median O., McClure J., Pereira D. & **Logue D.M.** (2015). Song Performance Improves with Morning Singing in Adelaide's Warblers. Western Society of Naturalists, Sacramento, CA.

Logue, D.M. & Stivers, T. (2014). Conversation Analysis and Animal Communication. College English Association, Caribbean chapter. University of Puerto Rico, Mayagüez.

Logue, D.M., Schraft, H.A., McClure, J., & Medina, O.J. (2014). Song Performance in Adelaide's Warbler. Animal Behavior Society. Princeton, New Jersey.

Sánchez-Jauregui, P. & **Logue, D.M.** (2014). Animal Behavior Society. Princeton, New Jersey.

Logue, D.M., Pereira, D.A., Medina, O.J., & Schraft, H.A. (2013). Testing Two Functional Hypotheses for Song-Type Matching. Animal Behavior Society. Boulder, Colorado.

Sánchez-Jáuregui, P., Gómez, C., Medina, O.J., Tarazona, F.L., Pereira, D.A., & **Logue, D.M.** (2013). Song Order in Adelaide's Warbler. Animal Behavior Society. Boulder, Colorado.*

- Rojas-Ferrer, I., Odom, K., Omland, K., & **Logue, D.M.** (2013). You Either Have it, or You Don't: Looking for Rhythm in Venezuelan Troupial (*Icterus icterus*) Songs. Animal Behavior Society. Boulder, Colorado.*
- Tarazona, F.L., Pereira, D.A., Medina, O.J., **Logue, D.M.** (2013). Does Song Overlapping Predict Aggression in Adelaide's Warbler, *Setophaga adelaidae*? Animal Behavior Society. Boulder, Colorado.*
- Schraft, H.A., Pereira, D.A., Medina, O.J., & **Logue, D.M.** (2013). Adelaide's Warblers (*Setophaga adelaidae*) modulate their songs in response to simulated territory intrusion. Animal Behavior Society. Boulder, Colorado.*
- Grieves, L.A., Quinn, J.S., & **Logue, D.M.** (2013). Alarm Call Specificity in a Cooperatively Breeding Bird. Animal Behavior Society. Boulder, Colorado.*
- Logue, D.M.** & Hall, M.L. (2012). The Evolution of Vocal Duetting in Songbirds. Animal Behavior Society. Albuquerque, New Mexico.
- Long, B., Bell, H., **Logue, D.M.**, Mishra, S., Cade, W., & Pellis, S. (2012) Cybernetic Cockroaches: Complex Behavior from Simple Rules. Animal Behavior Society. Albuquerque, New Mexico. *
- Logue, D.M.**, Takahashi, A.D., & Cade, W.H. (2011). Aggressiveness and Size. Animal Behavior Society. Bloomington, Indiana.
- Ramos, B. & **Logue, D.M.** (2011). Potential Indicators of Breeding Success in Captive Puerto Rican Parrots (*Amazona vittata*). Animal Behavior Society. Bloomington, Indiana.
- Logue, D.M.** & Cade, W.H. (2009). Aggressiveness and Size in Male Hissing Cockroaches. Dan Otte Symposium. University of Lethbridge, Alberta.
- Logue, D.M.**, Mishra, S., McCaffrey, D., Ball, D., & Cade, W.H. (2008). A Behavioral Syndrome Links Male-Male Courtship to Reproductive Success. Animal Behavior Society. Snowbird, Utah.
- Logue, D.M.** & Forstmeier, W. (2007). Constrained Performance in a Communication Network. Animal Behavior Society. Burlington, Vermont.
- McCaffrey, D., **Logue, D.**, Mishra, S., Cade, W. (2007) Behavioral Syndromes in Male Hissing Cockroaches, *Gromphadorina portentosa*. Animal Behavior Society. Burlington, Vermont.

- Logue, D.M.** (2006). Studying the Behaviours that Structure Duets. International Society for Behavioural Ecology: Avian Duetting Symposium. Tours, France.
- Logue, D.M.,** Keyes, J., & Cade, W.H. (2006). Relating Structure to Function in the Acoustic Courtship Signals of the Madagascar Hissing Cockroach, *Gromphadorhina portentosa*. International Society for Behavioural Ecology. Tours, France.*
- Logue, D.M.,** Droessler, E., Roscoe, D., Kunimoto, R. & Vokey, J. (2006). Sexually Antithetical Song Structure in a Population of Duet Singing Wrens. Canadian Society of Zoologists. Edmonton, Alberta.
- Logue, D.M.** (2005). How They Duet (And Why They Do It). Animal Behavior Society. Snowbird, Utah.
- Logue, D.M.** (2003). The Duet Code and Intrapair Communication in a Tropical Wren (*Thryothorus fasciatoventris*). Animal Behavior Society. Boise, Idaho.
- Logue, D.M.** (2002). Preliminary Investigations Into the Duet Song of a Neotropical Wren. Front Range Student Ecology Symposium. Fort Collins, Colorado.
- Logue, D.M.** (1998). Dominance predicts perch height in the lizard *Norops intermedius*. Monteverde Student Ecology Symposium. Monteverde, Costa Rica.

Invited Research Presentations

- Logue, D.M.** (2016). The Science of Birdsong OR Five Fascinating Facts about Birdsong. "Let's Do Science" educational outreach program at the University of Lethbridge. Keynote lecture.
- Logue, D.M.** (2015). Vocal Interactions in Birds. University of Lethbridge, Canadian Centre for Behavioural Neuroscience.
- Logue, D.M.** (2014). Why is Birdsong Complex and Orderly? Department of Psychology. University of Lethbridge.
- Logue, D.M.** (2014). Why do Birds Match Each Others' Songs? SEEDS Ecology group. University of Puerto Rico, Mayagüez.
- Logue, D.M.** (2014). Why do Birds Match Each Others' Songs? Department of Biology. Stonehill College.

- Logue, D.M.** (2013). Why do Birds Match Each Others' Songs? Department of EEOB. University of Miami. Oxford, Ohio.
- Logue, D.M.** (2012). Why Do They Duet (And How Do They Do It)? βββ Honor Society. University of Puerto Rico, Mayagüez.
- Logue, D.M.** (2012). Why Do They Duet (And How Do They Do It)? Department of Biology, University of Puerto Rico, Rio Piedras.
- Logue, D.M.** (2010). Individual Differences in Hissing Cockroaches. βββ Honor Society. University of Puerto Rico, Mayagüez.
- Logue, D.M.** (2009). Individuals Behaving in Groups. Department of Biology. The University of San Francisco.
- Logue, D.M.** (2008). Why They Duet (And How They Do It). Department of Biology. University of Calgary.
- Logue, D.M.** (2008). Why They Duet (And How They Do It). Rotary Club. Coaldale, Alberta.
- Logue, D.M.** (2008). Acoustic Communication in a Tropical Forest Bird. Department of Biology, University of Puerto Rico, Mayagüez.
- Logue, D.M.** (2008). Why Do They Duet (And How Do They Do It)? Department of Biology, Earlham College, Richmond, Indiana.
- Logue, D.M.** (2006). How They Duet (And Why They Do It). Department of Integrative Biology. University of Texas at Austin.
- Logue, D.M.** (2006). How They Duet (And Why They Do It). Department of Biology. University of North Carolina at Chapel Hill.
- Logue, D.M.** (2006). How They Duet (And Why They Do It). Department of Entomology. North Carolina State University.
- Logue, D.M.** (2006). Why They Duet (And How They Do It). Department of Biological Sciences. University of Lethbridge, Alberta.
- Logue, D.M.** (2004). Why They Duet (And How They Do It). Smithsonian Tropical Research Institution. Barro Colorado Island, Panamá.
- Logue, D.M.** (2004). Selfish Cooperation and the Structure of Duet Song in a Tropical Bird. Museum of Zoology, University of Michigan, March 2004.

Logue, D.M. (2002). Sex Roles and Territoriality in a Duet-singing Passerine.
Smithsonian Tropical Research Institution. Barro Colorado Island, Panamá.

Personal

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