**Kelly L. Ronald, Ph.D.**

Curriculum Vitae

July 2, 2022

Paul A. Schaap Science Center, 2021 226 Sun Meadow Court 35 E. 12th Street, Holland MI 49423 Holland, MI 49424

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**EDUCATION**

2016Ph.D., Department of Biological Sciences, Purdue University

2009 B.A., Department of Biology, Transylvania University

2009 B.A., Department of Psychology, Transylvania University

**PROFESSIONAL APPOINTMENTS**

2019 Assistant Professor of Biology

Hope College, Holland Michigan

2017-2019 Postdoctoral researcher, Department of Biology, Indiana University

National Institutes of Health Ruth L. Kirschstein

National Research Service Award T-32

‘Themes in Reproductive Diversity’

**PUBLICATIONS**

\* Indicates undergraduate author

**Refereed Journal Articles**

Toomey, M. B. and **Ronald, K.L.** (2021). Avian color expression and perception: Is there a

carotenoid link? *Journal of Experimental Biology.* 224(12): 1-12.

**Ronald, K.L.**, X. Zhang\*, M. V. Morrison\*, R. Miller\*, L. M. Hurley. (2020). Male mice adjust

courtship behaviour in response to female multimodal signals. *PLoS ONE* 15(4): e0229302

**Ronald, K.L.,** Lucas, J.R., and Fernández-Juricic, E. Mate choice in the eye and

ear of the beholder? Female brown-headed cowbird multimodal sensory configuration influences her preferences. (2018) *Proceedings of the Royal Society, B* 285: 20180713.

**Ronald, K.L.,** Ensminger, A.L., Shawkey, M.S., Lucas, J.R., Fernández-Juricic, E.

(2017). Testing a key assumption in animal communication: between-individual variation in female visual systems alters perception of male signals. *Biology Open.* 6, 1771-1783.

**Ronald, K.L.**, Sesterhenn, T., Fernández-Juricic, E. Lucas, J.R. (2017). The sensory

substrate of multimodal animal communication: are females sensory 'specialists' or 'generalists'? *Journal of Comparative Physiology A.* 203, 935-943.

**Ronald, K. L.,** \*Zeng, R., White, D., Fernández-Jurcic, E., Lucas, J.R. (2017)*.* What

makes a multimodal signal attractive? A preference function approach. *Behavioral Ecology.* 28, 677-687.

**Ronald, K.L.,** \*Skillman, T., \*Lin, A., \*Li, Q., Fernández-Juricic, E., Lucas, J.R. (2015)

Watch your tone: social conditions modulate singing strategies. *Ethology.* 121, 1104-1115.

**Ronald, K.L.,** Lucas, J.R., and Fernández-Juricic, E. (2012). Taking the sensory

approach: individual differences in auditory and visual perception can influence mate choice. *Animal Behaviour*. 84, 1283-1294.

Gall, M.D., **Ronald, K.L.,** \*Bestrom, E., Lucas, J.R. (2012) Effects of habitat and

urbanization on the active space of brown-headed cowbird song. *Journal of the Acoustical Society of America.* 132, 4053-4062.

**GRANTS AND FELLOWSHIPS**

2022 Faculty-Led Fellowships for Undergraduates, PI ($4,000)

Student: Sarah Grimes

2022 Faculty-Led Fellowships for Undergraduates, PI ($4,000)

Student: Lindsay Jankowski

2022 Michigan Space Grant Research Seed, PI ($10,000)

2022 Schaap Competitive Funds; Hope College, Co-PI ($31,197)

2022 Schaap Competitive Funds; Hope College, Co-PI ($54,605)

2022 Nyenhuis Convergent Grant; Hope College, Co-PI ($16, 400)

2021 Nyenhuis Faculty Development Grant; Hope College, PI ($2,910)

2020Christian Scholars Foundation Emerging Scholars Network; PI ($20,000)

**\*\*\* Since Joining Hope College\*\*\***

2016Bisland Dissertation Fellowship, Purdue University ($23,000, 1 year)

2014 Animal Behavior Society Student Research Grant ($2,000)

2013 Sigma Xi Grant-in-Aid of Research Grant ($1,500)

2011 NSF Graduate Research Fellowship Program (GRFP) ($94,000, 3 years)

2011 Alton Lindsey Summer Research Grant**,** Purdue University($1,000)

2010 Frederick N. Andrews Fellowship, Purdue University ($46,000, 2 years)

2009 NSF REU Fellow, University of Kentucky

2008 NSF REU Fellow, University of Virginia

2007 APA Summer Science Institute Fellow, UC San Diego

2005 William T. Young Fellow, Transylvania University (Full Tuition)

**AWARDS AND HONORS**

2022 Travel Award to American Ornithological Society Annual Meeting ($750)

2021 Acceptance to Hope College Continuum Program ($500)

2020 Acceptance to Vision 2020 Workshop Conference, in West Sussex, UK

**\*\*Since Joining Hope College\*\***

2018 Travel Award for Women in Science, Indiana University Provost ($550)

2017 Walter Clyde Allee Award for best student paper

Animal Behavior Society Early Career Award ($1500)

2017 Travel Grant, Animal Behavior Society ($500)

2016 Travel Grant, Animal Behavior Society ($500)

2014 3rd Place Poster Presentation, Purdue Biology Graduate Student Conference

2013 Yeunkung Woo Achieve Excellence Travel Scholarship, Purdue University ($1000)

2013 1st Place Oral Presentation, Purdue Biology Graduate Student Conference ($200)

**STUDENT FELLOWSHIPS AND HONORS**

2022 Hope College Dow Scholars

Students: Peyton Hallemann

PI: Kelly Ronald

2022 American Ornithological Society Student Travel Grants

Students: Sarah Grimes, Linda Nduiwmana, Molly McLinden Lindsay Jankowski – $2,320

PI: Kelly Ronald

2021Elizabeth Gardner Norweb Summer Environmental Studies Scholarship

Student: Sarah Grimes -- $3,000

PI: Kelly Ronald

2021Michigan Space Grant Consortium (MSGC) NASA Fellowship

Title: Chromatic contrast of avian plumage is altered in forests

with increased deer browsing.

Student: Morgan Sherrard -- $3,000

PI: Kelly Ronald

2021Michigan Space Grant Consortium (MSGC) NASA Fellowship

Title: Ecotoxicity of the Nanoparticle: Changes in the behavior and physiology of the house sparrow (*Passer domesticus*)

Student: Molly Mclinden -- $3,000

PI: Kelly Ronald

2021 Hope College Wettack Summer Research Fellowship

Student: Lindsay Jankowski

PI: Kelly Ronald and Natalia Gonzalez Pech

2020 Hope College Anderson Research Award for Neuroscience

Student: Madisyn Miller -- $2,500

PI: Kelly Ronald

2020 Michigan Space Grant Consortium (MSGC) Virtual Fellowship Award, NNX15AJ20H Title: Multimodal stimuli on neural activation in the inferior colliculus of *Mus musculus.*

Student: Madisyn Miller -- $3,000

PI: Kelly Ronald

2020 Elizabeth Gardner Norweb Summer Environmental Studies Scholarship

Student: Sarah Yonker -- $3,000

PI: Kelly Ronald

2020 Hope College Dow Scholars

Students: Suihnem Mawi and Linda Nduwimana

PI: Kelly Ronald

**TEACHING EXPERIENCE**

**Instructor of Record**

2021 Biology 108, Introductory Biology Lab—Cells, Genetics, Evolution,

Hope College, Holland, MI

2020 -- current Biology 442, Sensory Physiology and Ecology, Hope College, Holland MI

New course and laboratory design

2019 – current Biology 221, Human Physiology, Hope College, Holland MI

Course Coordinator: 2020, 2021

2019 Senses and signals, Indiana University Living-Learning Community

Course design chosen after an application process

2018 Introduction to Biology for non-majors, Ivy Tech University

2018 Professional Ethics for the bio-behavioral sciences, Indiana University

**Teaching Assistantships**

2016 Introduction to Biology for non-majors, Purdue University

2014 Ecological Statistics for graduate students, Purdue University

**Guest Lectures**

2018 Integrated Study of Animal Behavior, Indiana University

2018 Techniques in Reproductive Diversity, Indiana University

2017 Workshops in Animal Behavior, Indiana University

2017 Sensory Ecology, Indiana University

2016 Sensory Ecology, Purdue University

2014 Ecology and Evolution, Purdue University

**Pedagogical Training**

2018 Designed course, ‘Senses and signals’, Indiana University

2015 Fulfilled requirements for graduate teaching certificate, Purdue University

2014 Center for Instructional Excellence College Teaching Workshops (14 total)

2013 Nature of Scientific Discovery Discussion Course

2013 Preparing Future Faculty Course

**MENTORING EXPERIENCE**

2019-2020 Undergraduate research mentor, Hope College

Biology 495R (11 Students)

2019 Undergraduate research mentor, Indiana University

Undergraduate Research (1 student)

Animal Behavior REU student (1 student)

2017-2018 Undergraduate research mentor, Indiana University

Undergraduate Research (7 students)

Undergraduate Honor’s Research (1 student)

2011-2015 Undergraduate research mentor, Purdue University

Undergraduate Research (24 students)

Undergraduate Honor’s Research (2 students)

2014 Research mentor, Summer Research Opportunity Program,

Purdue University (1 Student)

2013 Research mentor, Howard Hughes Medical Institute, Purdue University

(1 Student)

2011 Research mentor, Howard Hughes Medical Institute, Purdue University

(1 Student)

**INVITED TALKS**

2022 Beauty in the eye and ear of the beholder: Lessons from Sensory Receivers.

Governors State University. University Park, IL. April 2022.

2022 Faith and the Field: A Biologist’s Journey to Understanding Vocational Calling.

Continuum Lecture Series. Hope College, Holland, MI. March 2022

2021 Online Science Labs and Virtual Learning Strategies. LEARN: Lonestar

Education and Research Network. Lubbock, TX. February 2021.

2020 Beauty in the eyes, ears, and nose of the beholder: How multimodal sensory processing shapes courtship behavior. Louisiana State University Biology Department Seminar, Baton Rouge, LA. Sept 2020.

2020 Beauty in the eyes, ears, and nose of the beholder: How multimodal sensory processing shapes courtship behavior. Allen L. Edwards Virtual Lecture. University of Washington, Seattle, WA. May 2020.

2020 How Multimodal Sensory Processing Shapes Animal Behavior: A tale of Mice and Birds. Purdue University, West Lafayette, IN. January 2020.

**\*\*Since Joining Hope College\*\***

2019 Of Mice and Birds: How Multimodal Sensory Processing affects Animal Behavioral Decisions. Albright College, Reading, PA. January 2019.

2019 Of Mice and Birds: How Multimodal Sensory Processing affects Animal Behavioral Decisions. Valparaiso University, Valparaiso, IN. January 2019.

2019 Of Mice and Birds: How Multimodal Sensory Processing affects Animal Behavioral Decisions. Wittenberg University, Springfield, OH. January 2019.

2018 Evidence for Evolution: Vestigial and Homologous traits

Saint Ambrose University, Davenport, IA. January 2018.

2017 Sexual selection: A mechanism of evolution

McKendree University, Lebanon, IL. October 2017.

2017 Is mate choice in the eye and ear of the beholder?

Multimodal sensory configuration influences mating preferences.

Animal Behavior Society Walter Clyde Allee Symposium for best paper

University of Toronto Scarbourgh, Toronto, Ontario, Canada. June 2017.

2017 Multimodal sensory processing influences mating preferences in a songbird species. W.M Keck Center for Behavioral Biology Symposium.

North Carolina State University, Raleigh, NC. April 2017.

2014 Linking hearing and mate choice in a songbird.

Symposium: ‘Sex: the Mechanisms and Consequences of Sexual Behavior’ Center for Integrated Studies in Animal Behavior Conference

Indiana University, Bloomington, IN. April 2014.

**CONFERNCE ACTIVITY & SUBMITTED ABSTRACTS**

\* Indicates undergraduate authors

2022 Nduwimana, L.\*, Grimes, S.\*, Mawi, S.\*, **Ronald, K.L.** The Impact of Noise Pollution on the Auditory Sensory Physiology of the House Sparrow *(Passer domesticus).* American Ornithological Society Annual Meeting. San Juan, Puerto Rico.

2022 McLinden, M.\*, Gonzalez-Pech, N., **Ronald, K.L.** Iron Oxide Nanoparticle Bioaccumulation in the House Sparrow (*Passer domesticus*). American Ornithological Society Annual Meeting. San Juan, Puerto Rico.

2022 Grimes, S\*., Nduwimana, L.\*, Lewis, E.\* and **Ronald, K.L.** House Sparrow (*Passer domesticus*) and House Finch (*Haemorhous mexicanus*) song propagation in an increasingly urban world. American Ornithological Society Annual Meeting. San Juan, Puerto Rico.

2022 Jankowski, L.\*, **Ronald, K.L.**, Gonzalez-Pech, N. The effects of iron oxide nanoparticles

on house sparrow (Passer domesticus) auditory brainstem responses. American Ornithological Society Annual Meeting. San Juan, Puerto Rico.

2022 **Ronald, K.L**., Gonzalez-Pech, N., Nduwimana, L.\*, Mawi, S\*., Grimes, S.\*, Jankowski, L.\*, McLinden, M\*. Noisy and Bright: How avian sensory systems are affected by sensory and physical pollution. American Ornithological Society Annual Meeting. San Juan, Puerto Rico.

2022 Nduwimana, L.\*, Grimes, S.\*, **Ronald, K.L.** The Effects of Anthropogenic Disturbances

on the Auditory Processing of the House Sparrow (*Passer domesticus*). National Conference of Undergraduate Research. Washington, D.C. *Virtual*

2022 McLinden, M.\*, Jankowski, L.\*, Gonzalez-Pech, N., **Ronald, K.L**. The Effects of Iron

Oxide Nanoparticles on the Auditory Physiology and Antipredator Behavior in House Sparrows (*Passer domesticus*). National Conference of Undergraduate Research. Washington, D.C. *Virtual.*

2022 Jankowski, L.\*, McLinden, M.\*, Gonzalez-Pech, N., **Ronald, K.L**. How urbanization

affects the auditory physiology and anti-predatory behavior of the house sparrow (*Passer*

*domesticus*). Midstates Consortium Biological Sciences and Psychology Research

Symposium. *Virtual.*

2022 Dzaringa, B.\*, Barksdale, O.\*, Mills, M., Hurley, L., **Ronald, K.L.** The scent of a

female: Female olfactory cures modulate ABR amplitudes in male mice. Association for

Research in Otolaryngology. Virtual Research Symposium.

2021 McLinden, M, Jankowski, L., Gonzalez-Pech, N., **Ronald. K.L.** How urbanization affects the auditory physiology and anti-predatory behavior of the house sparrow (*Passer domesticus*). Midstates Consortium’s Biological Sciences and Psychology Virtual Research Symposium.

2021 Sherrard, M, Mawi, S. Boycott, T., Gall, M., **Ronald. K.L.** Changes in the

chromatic and achromatic contrast of avian plumage in forests with different levels

of deer browsing. Michigan Space Grant Consortium Annual Meeting. Grand Rapids, MI.

2021 McLinden, M, Jankowski, L., Gonzalez-Pech, N., **Ronald. K.L.** The effects of iron oxide nanoparticles on antipredatory behavior and sensory physiology in house sparrows (*Passer domesticus*). Michigan Space Grant Consortium Annual Meeting. Grand Rapids, MI.

2021 Kovacs, M\*, Jankowski, L.\*, Hurley, L. M. **Ronald, K.L.** The Effect of Serotonin on Male Responses to Female Ultrasonic Vocalizations and Urine in

the House Mouse (Mus musculus). Celebration of Undergraduate Research and Creative Activity. Hope College, Holland, MI. April 2021. Abstract Accepted.

2021 Sherrard, M.\*, Martin, L.\* Boycott, T., Gall, M., **Ronald, K.L.** Changes in Chromatic and Achromatic Contrast of Avian Plumage in Forests with Different Levels of Deer Browsing. Celebration of Undergraduate Research and Creative Activity. Hope College, Holland, MI. April 2021. Abstract Accepted.

2020 Kovacs, M\*., Hurley L.M., **Ronald, K.L.**The effect of Serotonin on Male Responses to Female Ultrasonic Vocalizations and Urine in the House Mouse (*Mus musculus*). Michigan Space Grant Consortium Virtual Conference. October 2020.

2020 Yonker, S\*., **Ronald, K.L**., Hurley, L. M. Multimodal stimuli and serotonin on

neural activation of the inferior colliculus in *Mus musculus*. Animal Behavior

Society Virtual Meeting. July 2020.

2020 Sherrard, M\*., Miller, M\*, Boycott, T., Gall, M., **Ronald, K.L.** The effect of deer browsing on chromatic contrast of brown-headed cowbirds in different

forest types. Celebration of Undergraduate Research and Creative Activity. Hope

College, Holland, MI. April 2020.

2020 Yonker, S\*., Borowski, A\*., Rogers, M\*. Hurley, L., **Ronald, K.L**. Multimodal stimuli and serotonin on neural activation of the inferior colliculus in the house mouse. Celebration of Undergraduate Research and Creative Activity. Hope College, Holland, MI. April 2020.

**\*\*Since Joining Hope College\*\***

2019 **Ronald, K.L**., and Hurley, L.M. Male mice adjust courtship behaviour in response to female multimodal signals. Center for Integrated Studies in Animal Behavior Conference. Indiana University, Bloomington, IN. March 2019.

2019 Zhang, X\***., Ronald, K.L**., and Hurley, L.M.

How do ultrasonic vocalizations correlate with behaviors during unimodal and

multimodal communication? Society for Comparative and Integrative Biology.

Tampa, FL. January 2019.

2018 Fentz, C.\*, **Ronald, K.L.**, and Hurley, L.M.

Female mice do not use harmonic syllables as honest signals for estrus stage.

Center for Integrated Studies in Animal Behavior Conference. Indiana University, Bloomington, IN. April 2018.

2018 Miller, R\*., **Ronald, K.L**, and Hurley, L.M.

The role of male mouse complex ultrasonic vocalizations in honest mating signalling to estrous and diestrous females. Center for Integrated Studies in Animal Behavior Conference. Indiana University, Bloomington, IN. April 2018.

2018 Zhang, X\***., Ronald, K.L**., and Hurley, L.M.

How do ultrasonic vocalizations correlate with behaviors during unimodal and multimodal communication? Center for Integrated Studies in Animal Behavior Conference. Indiana University, Bloomington, IN. April 2018.

2018 Morrison, V\*., **Ronald, K.L**., and Hurley, L. M. Male USV response to Female USVs, BBVs, and Urine in the house mouse, *Mus musculus.* Center for Integrated Studies in Animal Behavior Conference. Indiana University, Bloomington, IN. April 2018.

2018 **Ronald, K. L.** and Hurley, L. Female Signaling: Non-Redundant Multimodal Cues in the House Mouse, *Mus musculus*

Society for Integrative and Comparative Biology Conference

San Francisco, CA. January 2018.

2017 **Ronald, K. L.,** Fernández-Juricic, E., and Lucas, J. R.

Is mate choice in the eye and ear of the beholder? 2017 Sensorium Conference.University of Cincinnati, Cincinnati, OH. September 2017.

2017 **Ronald, K. L.,** Fernández-Juricic, E., and Lucas, J. R.

Multimodal sensory processing influences mating preferences in a songbird species. Center for Integrated Studies in Animal Behavior Conference. Indiana University, Bloomington, IN. April 2017.

2016 **Ronald, K. L.,** White, D., Fernández-Juricic, E., and Lucas, J. R.

What makes a multimodal signal attractive: a preference function approach. Animal Behavior Society Conference

University of Missouri, Columbia, MO. July 2016.

2016 **Ronald, K. L**. Fernández-Juricic, E., Lucas, J.R.

What makes a multimodal signal attractive: a preference function approach. Center for Integrated Studies in Animal Behavior Conference

Indiana University, Bloomington, IN. April 2016.

2016 \*Jarvis, H.V., Ossip-Klein, A.G., **Ronald, K.L.,** Fernández-Juricic,

E., Hews, D.K., Martins, E. P. Visual resolution of two species of *Sceloporus* lizards that differ in ventral coloration [Poster] Center for Integrated Studies in Animal Behavior Conference

Indiana University, Bloomington, IN. April 2016.

2015 Zeng, R.\*, **Ronald, K. L**. Fernández-Juricic, E., Lucas, J.R.

Experience Dependent Plasticity in Female Brown Headed Cowbird Mate Choice. [Poster] Center for Integrated Studies in Animal Behavior Conference. Indiana University, Bloomington, IN. March 2015.

2014 **Ronald, K. L.,** Fernández-Juricic, E., and Lucas, J. R.

The role of Multimodal Sensory Reception in Female Mating Decisions.

Animal Behavior Society Conference*.* Princeton University, Princeton, NJ

2014 Li, Q**.\*, Ronald, K. L**., Lucas, J.

Differences between male and female directed song in Brown-headed cowbirds (*Molothrus ater*). [Poster] Center for Integrated Studies in Animal Behavior Conference. Indiana University, Bloomington, IN.

2014 Zeng, R.\*, **Ronald, K. L**. Fernández-Juricic, E., Lucas, J.R.

Female brown headed cowbirds prefer more intense female directed displays. [Poster] Center for Integrated Studies in Animal Behavior Conference. Indiana University, Bloomington, IN. April 2014.

2013 **Ronald, K. L.,** Fernández-Juricic, E., and Lucas, J. R.

Tradeoffs in Auditory and Visual Temporal Resolution in a Songbird (*Molothrus ater*). Animal Behavior Society Conference.

University of Colorado, Boulder, CO. July 2013.

2013 **Ronald, K. L.,** Fernández-Juricic, E., and Lucas, J. R.

Hunger, Hormones, and Hearing: Frequency Sensitivity in a Song Bird.

Center for Integrated Studies in Animal Behavior Conference

Indiana University, Bloomington, IN. March 2013.

2013 Skillman, T.\*, **Ronald, K. L.,** and Lucas, J. R.

Differences in female and male directed song in Brown-Headed Cowbirds

[Poster] Center for Integrated Studies in Animal Behavior Conference

Indiana University, Bloomington, IN. March 2013.

2013 **Ronald, K. L.,** Fernández-Juricic, E., and Lucas, J. R.

Differences in Hearing Sensitivity in a Song Bird

Indiana Academy of Science Annual Meeting Indianapolis, IN. March ‘13.

2012 **Ronald, K. L**., Fernández-Juricic, E., and Lucas, J. R.

Individual differences in auditory and visual processing

in a song-bird, *Molothrus ater.* [Poster] Animal Behavior Society Conference. University of New Mexico, Albuquerque, NM. July 2012.

2012 Skillman, T.\*, **Ronald, K.L**., Lin, A\*, and Lucas, J.R.

Differences in female and male directed song in Brown-Headed Cowbirds

(*Molothrus ater*). [Poster] Center for the Integrated Study of

Animal Behavior Indiana University, Bloomington, IN. March 2012.

2012 **Ronald, K. L.,** Gall, M. D., Bestrom, E\*. and Lucas, J.R.

Variation in the propagation and active space of brown headed

cowbird song across habitats. [Poster] Center for the Integrated Studies in

Animal Behavior Conference. Indiana University, Bloomington, IN.

**DEPARTMENTAL TALKS**

2019 **Ronald, K. L**. Of Mice and Birds: How Multimodal Sensory Processing affects Animal Behavioral Decisions. Albright College, Reading, PA. January 2019

2016 **Ronald, K. L.,** Fernández-Juricic, E., and Lucas, J. R.

Multimodal signal preferences in birds: visual display intensity modulates song attractiveness. EcoLunch: Ecology Seminar Series

Purdue University, West Lafayette, IN. February 2016.

2015 **Ronald, K. L.,** Fernández-Juricic, E., and Lucas, J. R.

Estrogen mediated changes in the auditory system: Implications for songbird mating preferences. Hearing Seminar Series

Purdue University, West Lafayette, IN. November 2015.

2014 **Ronald, K. L.,** Fernández-Juricic, E., and Lucas, J. R.

The role of Multimodal Sensory Reception in Female Mating Decisions.

Hearing Seminar Series. Purdue University, West Lafayette, IN. November 2014.

2014 Cast, L.\*, **Ronald, K**., Fernández-Juricic, E. and Lucas, J.R.

Avian Vision and the link to Condition. Summer Research Opportunity Program Symposium. Purdue University, West Lafayette, IN. July 2014.

2013 **Ronald, K. L.,** Fernández-Juricic, E., and Lucas, J. R.

Beauty in the ear of the beholder? Linking hearing and mate choice in a songbird. Hearing Seminar SeriesPurdue University, West Lafayette, IN

2013 She, M\*, **Ronald, K. L.,** Fernández-Juricic, E., and Lucas, J. R

Effects of Female Sensory Biology on Mate-Choice [Poster] Howard Hughes Medical Institute Conference. Purdue University, West Lafayette, IN. July 2013.

2013 **Ronald, K. L.,** Fernández-Juricic, E., and Lucas, J. R.

Differences in Hearing Sensitivity in a Song Bird. Hearing Seminar Series

Purdue University, West Lafayette, IN. January 2013.

2012 **Ronald, K. L.,** Fernández-Juricic, E., and Lucas, J. R.,

Let me see your song and dance: an evaluation of the male multimodal cowbird display. EcoLunch: Ecology Seminar Series.

Purdue University, West Lafayette, IN. November 2012.

2012 **Ronald, K. L.,** Gall, M. D., Bestrom, E\*. and Lucas, J.R.

Variation in the propagation and active space of brown headed

cowbird song across habitats. [[Poster] Sigma Xi Graduate Research Competition.Purdue University, West Lafayette, IN. February 2012.

2011 Brierley, B.\*, Bestrom, E.,\* Gall, M. D., **Ronald, K.L.,** and Lucas, J.R.

Analysis of the propagation properties of bird song. [Poster] Howard Hughes Medical Institute Conference. Purdue University, West Lafayette, IN. July 2011.

2011 **Ronald, K.L.**  Individual variation in the visual and auditory sensory

systems: A role in sexual selection? EcoLunch: Ecology Seminar Series*.*

Purdue University, West Lafayette, IN. April 2011.

**PROFESSIONAL DEVELOPMENT**

2020 Council of Undergraduate Research: Dialogues 2020

2020 Hope College Faculty Retreat: Discussion of *How to Think* by Alan Jacobs

2019 Sensorium Attendance: Midwest meeting of Sensory Ecologists

Attended with an undergraduate research student

**HOPE COLLEGE SERVICE**

2022-current Pre-Health Advisory Committee

2022- current Hope College Animal Care and Use Committee

2021-current Biology Department Diversity Champion

2020-current Human Physiology (Biology 221) Course Coordinator

2021 Biology Departmental Seminar Coordinator

2020-current Club Advisor, Hope College Club Animalia

2020-current Club Advisor, Hope College Tri Beta Biology Club

2020-current Natural and Applied Science (NAS) Divisional Antiracist Group

**PROFESSIONAL SERVICE**

2021 Invited Panelist, Careers in Animal Behavior

Center for the Integrated Study in Animal Behavior

Annual Animal Behavior Conference

Virtual, Indiana University in Bloomington, IN USA

2021 Reviewer, Animal Behavior Society Student Grants

2020- current Associate Editor, *Ornithology*

American Ornithological Society

2020 Animal Behavior Society Meeting Mentor

Virtual mentor for graduate and undergraduate students attending the ABS annual meeting

**\*\*Since Joining Hope College\*\***

Science Fair Judge

2017 Indiana University Animal Behavior Class

2012-2014 Purdue University Undergraduate Research Symposium

2011-2014 Battle Ground Elementary School, Battle Ground, IN

2010-2016 Lafayette Regional Science and Engineering Fair Judge

2014-2016 Purdue Graduate Grade Appeals Representative

2013-2014 Purdue University Spring Fest Volunteer

2013 International BioOlympiad Coach

2012-2013 Ecology Journal Club Chair, Purdue University

2013-2014 Purdue Biology Graduate Student Council, President

Awarded Graduate Student Organization Grant

2012-2013 Purdue Biology Graduate Student Council, Chair of Recruitment

2011-2012 Purdue Biology Graduate Student Council, Chair of Graduate Retreat

2010-2016 Member of Women in Science Program (WISP), Purdue University

**AD HOC REVIEWER**

Integrated and Comparative Biology

Behavioural Processes

PloS One

Animal Behaviour

Behavioral Ecology and Sociobiology

Ethology

Ecology and Evolution

Biology Letters

Royal Society Open Science

**PROFESSIONAL MEMBERSHIP**

American Association for University Women

Society for Integrative and Comparative Biology

Animal Behavior Society

Indiana Academy of Science

Sigma Xi

Holliean Society, Transylvania University Phi Beta Kappa Chapter

American Psychological Association