

## CURRICULUM VITAE

### Kimberley Ann Campbell

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#### CURRENT POSITIONS

**Sessional Instructor**, September, 2019 - present, University of Alberta, Department of Psychology

**Sessional Instructor**, May, 2020 - present, MacEwan University, Department of Psychology

#### EDUCATION

**Doctor of Philosophy**, Comparative Cognition and Behaviour, 2015 - 2019, University of Alberta,  
Thesis Title: Attending to the *chick-a-dee* call of the black-capped chickadee (*Poecile atricapillus*), Supervisor: Dr. Christopher Sturdy

**Master of Science**, Comparative Cognition and Behaviour, 2013 - 2015, University of Alberta,  
Thesis Title: An investigation of acoustic features within the chick-a-dee call of black-capped chickadees (*Poecile atricapillus*) for sex differences, Supervisor: Dr. Christopher Sturdy

**Bachelor of Science** (Honours Co-op) in Biology, 2007 - 2012, Dalhousie University, Thesis Title: Targeted environmental PCR of the SSU rRNA gene of Carpediemonas-like organisms to discover major lineages potentially overlooked by traditional culturing methods. Supervisor: Dr. Alastair Simpson

#### RESEARCH EXPERIENCE

**Graduate Student**, September 1, 2013 – August 31, 2019, University of Alberta, Department of Psychology, Dr. Christopher Sturdy (supervisor)

Investigation of *chick-a-dee* call of black-capped chickadees focusing on feature differences between males and females using bioacoustics analysis and operant discrimination techniques.

**Honours Student**, January 2011 - April 2012, Dalhousie University, Department of Biology, Dr. Alastair Simpson (supervisor)

Developed environmental PCR protocol to isolate and identify anaerobic organisms

**Research Assistant**, May 2011 - December 2011, Dalhousie University, Department of Biology, Dr. Alastair Simpson (supervisor)

General lab maintenance involving care of biohazardous wastes, maintaining chemicals

#### RESEARCH INTERESTS

Bioacoustic analysis and operant discrimination tasks as they relate to understanding the production, perception and understanding of songbird acoustic communication.

## AWARDS AND HONOURS

- Graduate Student Teaching Award**, University of Alberta, 2019
- NSERC Alexander Graham Bell CGS D**, University of Alberta, 2017-2019
- President's Doctoral Prize of Distinction**, University of Alberta, 2018
- President's Doctoral Prize of Distinction**, University of Alberta, 2017
- Faculty of Science Graduate Scholarship**, University of Alberta, 2017
- Graduate Student Teaching Award**, University of Alberta, 2016
- Queen Elizabeth II Graduate Scholarship - Doctoral Level**, University of Alberta, 2015/2016, 2016/2017
- Graduate Student Scholarship**, Alberta Innovation and Advanced Education, 2015
- Queen Elizabeth II Graduate Scholarship - Master's Level**, University of Alberta, Summer 2014, 2014/2015
- Dalhousie University Dean's List**, Winter 2007/2008, Fall 2008/2009, Fall 2009/2010, Summer 2009/2010, Winter 2010/2011

## TEACHING EXPERIENCE

- Instructor - **Basic Psychological Processes (PSYCO 104)** - University of Alberta: Fall 2020, Spring 2020, Winter 2020, Fall 2019, Spring 2019, Winter 2019, Fall 2018
- Instructor - **Introductory Psychology I (PSYC 104)** – MacEwan University: Spring 2020, Fall 2020
- Instructor - **Introduction to Research Methods in Psychology (PSYCO 212)** - University of Alberta: Spring 2020
- Instructor - **Behaviour in Relation to Genetics (PSYCO 372)** - University of Alberta: Winter 2020, Fall 2019
- Teaching Assistant – **Design and Analysis in Psychological Research I (PSYCO 531)** - University of Alberta: Fall 2016 (Instructor: John Lind), Fall 2015 (Instructor: John Lind)
- Teaching Assistant – **Design and Analysis in Psychological Research II (PSYCO 532)** - University of Alberta: Winter 2017 (Instructor: John Lind), Winter 2016 (Instructor: John Lind)
- Teaching Assistant – **Biological Bases of Behaviour (PSYCO 475)** - University of Alberta: Winter 2015 (Instructor: Kyle Matthewson)
- Teaching Assistant - **Behaviour in Relation to Genetics (PSYCO 372)** - University of Alberta: Winter 2015 (Instructor: Michele Mosicki)
- Teaching Assistant - **Honours Seminar (PSYCO 300/309)** - University of Alberta: Fall 2014 (Instructor: Kim Noels)
- Teaching Assistant - **Principles of Learning (PSYCO 381)** - University of Alberta: Fall 2014 (Instructor: Allison Hahn)
- Teaching Assistant - **Individual and Social Behaviour (PSYCO 105)** - University of Alberta: Winter 2014 (Instructor: Lisa Smithson)
- Teaching Assistant – **Brain and Behaviour (PSYCO 275)** - University of Alberta: Fall 2013, Winter 2014 (Instructor: Deanna Singhall)

## **SUPERVISORY EXPERIENCE**

Stephanie Ditlof, Undergraduate Student - University of Alberta, August 2018 - Present

Azka Ahmed, Undergraduate Student - University of Alberta, November 2017 - January 2018

Kaumadi Kulatilake, Undergraduate Student - University of Alberta, July 2017 - January 2018

Maria Shanks, Undergraduate Student - University of Alberta, June 2017 - May 2018

Hadeel Mohamed, WISEST Student - University of Alberta, July 2016 - August 2016

Colleen Wyring, WISEST Student - University of Alberta, July 2016 - August 2016

Paul Brar, Undergraduate Student - University of Alberta, March 2017 - May 2018

Juliana Montoya Sanchez, Undergraduate Student - University of Alberta, September 2016 – September 2017

Rimsa Dahal, WISEST Student - University of Alberta, July 2016 - August 2016

Shirley Duia, WISEST Student - University of Alberta, July 2016 - August 2016

Stefani Johnson, High School Student, RA, July 2016 - August 2016; Undergraduate Student, RA - University of Alberta, July 2017 - August 2017

Michael Kelmer, Undergraduate Student - University of Alberta, June 2016 - August 2017

Christopher Yee, Undergraduate Student - University of Alberta, June 2016 - August 2017

Vivian Tran, Undergraduate Student, RA - University of Alberta, May 2016 - July 2016

Kleinberg Fernandez, Undergraduate Student - University of Alberta, September 2015 - October 2015

Hillary Warren, PSYCO 499 Student - University of Alberta, September 2015 - May 2016, Undergraduate Student - University of Alberta September 2015 - August 2017

ShuaiNan Fang, Undergraduate Student - University of Alberta, September 2015 - December 2015

Erica Cheung, Undergraduate Student, RA - University of Alberta, September 2015 - April 2016

Parisa Asghari, Undergraduate Student - University of Alberta, August 2015 - December 2015

Pawanpreet Gill, WISEST Student - University of Alberta, July 2015 - August 2015

Aida Radu, WISEST Student - University of Alberta, July 2015 - August 2015

Raphael Gastrock, Undergraduate Student, PSYCO 299, 399, 499 Student - University of Alberta, May 2015 - August 2017

Avnit Grewal, Undergraduate Student - University of Alberta, May 2015 - July 2015

Justine Kreuger, Undergraduate Student - University of Alberta, December 2014 - August 2015

Joshua Yong, Undergraduate Student, RA - University of Alberta, January 2015 - August 2015

Cindy Vuong, Undergraduate Student - University of Alberta, January 2015 - October 2015

Asad Qandhari, Undergraduate Student - University of Alberta, January 2015 - May 2015

Brittany Hope, Undergraduate Student, RA - University of Alberta, May 2014 - September 2014

Shaila Fleming, WISEST Student - University of Alberta, July 2014 - August 2014

Lucy Harris, WISEST Student - University of Alberta, July 2014 - August 2014

## PEER-REVIEWED PUBLICATIONS

### Published & in Press Manuscripts

- Campbell, K. A.**, Hahn, A. H., Congdon, J. V., Scully, E. N., & Sturdy, C. B. (accepted 15 April 2020). Perception of sex differences in black-capped chickadee (*Poecile atricapillus*) chick-a-dee calls. To appear in *Animal Behavior and Cognition*.
- Montenegro, C., Service, W. D., Scully, E. N., Mischler, S. K., **Campbell, K. A.**, & Sturdy, C. B. (2020). Black-capped chickadees (*Poecile atricapillus*) can identify individual females by their fee-bee songs. *The Auk*, *137*, 1-10. DOI: <https://doi.org/10.1093/auk/ukaa028> (Invited blog post: <https://americanornithology.org/investigating-female-song-use-in-black-capped-chickadees/>)
- Congdon, J. V., Hahn, A. H., **Campbell, K. A.**, Scully, E. N., Yip, D. A., Bayne, E. M., & Sturdy, C. B. (2020). Acoustic discrimination of predators by black-capped chickadees. *Animal Cognition*, *23*, 595-611.
- Scully, E. N., **Campbell, K. A.**, Congdon, J. V., & Sturdy, C. B. (2020). Discrimination of black-capped chickadee (*Poecile atricapillus*) chick-a-dee calls across seasons. *Animal Behavior & Cognition*, *7*(2), 247-256.
- Campbell, K. A.**, Thunberg, S., & Sturdy, C. B. (2019). Features of Male- and Female-Produced Song in Black-Capped Chickadees (*Poecile Atricapillus*) Change Between Seasons. *Canadian Acoustics*, *47*(3), 36-37.
- Campbell, K. A.**, Proppe, D. S., Congdon, J. V., Scully, E. N., Mischler, S. K., & Sturdy, C. B. (2019). The effects of anthropogenic noise on feeding behaviour in black-capped chickadees (*Poecile atricapillus*). *Behavioural Processes*, *158*, 53-58.
- Congdon, J. V., Hahn, A. H.\*, Filippi, P.\*, **Campbell, K. A.**\*, Hoang, J., Scully, E. N., Bowling, D. L., Reber, S. A., & Sturdy, C. B. (2019). Hear them roar: A comparison of black-capped chickadee (*Poecile atricapillus*) and human (*Homo sapiens*) perception of arousal in vocalizations across all classes of terrestrial vertebrates. *Journal of Comparative Psychology*, <http://dx.doi.org/10.1037/com0000187>.
- Scully, E. N., Schuldhuis, B. C., Congdon, J. V., Hahn, A. H., **Campbell, K. A.**, Wilson, D. R., & Sturdy, C. B. (2019). ZENK expression in the auditory pathway of black-capped chickadees (*Poecile atricapillus*) as a function of D note number and duty cycle of chick-a-dee calls. *Behavioural Brain Research*, *356*, 490-494.
- Mischler, S. K., Congdon, J. V., Scully, E. N., **Campbell, K. A.**, & Sturdy, C. B. (2017). Passerine Vocal Communication. *Encyclopedia of Animal Cognition and Behavior*, pp. 1-7.
- Scully, E. N., Hahn, A. H., **Campbell, K. A.**, McMillan, N., Congdon, J. V., & Sturdy, C. B. (2017). ZENK expression following conspecific and heterospecific playback in the zebra finch auditory forebrain. *Behavioural Brain Research*. *331*, 151-158.
- Hahn, A. H., **Campbell, K. A.**, Congdon, J. V., Hoang, J., McMillan, N., Scully, E., Yong, J. J. H., Elie, J. E., & Sturdy, C. B. (2017). Discrimination of acoustically similar conspecific and heterospecific vocalizations by black-capped chickadees (*Poecile atricapillus*). *Animal Cognition*, *20*, 639-654.
- Hahn, A. H., Congdon, J. V., **Campbell, K. A.**, Scully, E. N., McMillan, N., & Sturdy, C. B. (2017). Mechanisms of Communication and Cognition in Chickadees: Explaining Nature in the Lab and Field. In M. Naguib, J. Podos, L. W. Simmons, L. Barrett, S. Healy, & M. Zuk (Eds.), *Advances in the Study of Behavior* (pp. 147-197).

- McMillan, N., Hahn, A. H., Congdon, J. V., **Campbell, K. A.**, Hoang, J., Scully, E. N., Spetch, M. L., & Sturdy C. B. (2017). Chickadees discriminate contingency reversals presented consistently, but not frequently. *Animal Cognition*, *20*, 655-663.
- Sturdy, C. B., **Campbell, K. A.**, Congdon, J. V., Hahn, A. H., McMillan, N., & Scully, E. N. (2017). Moving from perceptual to functional categories in songbirds. *International Journal of Comparative Psychology*, *30*, 1-14.
- Campbell, K. A.**, Hahn, A. H., Congdon, J. V., & Sturdy, C. B. (2016). An investigation of sex differences in acoustic features in black-capped chickadee (*Poecile atricapillus*) chick-a-dee calls. *The Journal of the Acoustical Society of America*, *140*(3), 1598-1608.
- Hahn, A. H., Hoeschele, M., Guillette, L. M., Hoang, J., McMillan, N., Congdon, J. V., **Campbell, K. A.**, Mennill, D. J., Otter, K. A., Grava, T., Ratcliffe, L. M., & Sturdy, C. B. (2016). Black-capped chickadees categorize songs based on features that vary geographically. *Animal Behaviour*, *112*, 93-104.
- Hahn, A. H., Hoang, J., McMillan N., **Campbell K. A.**, Congdon J. V., & Sturdy C. B. (2015). Biological salience influences performance and acoustic mechanisms for the discrimination of male and female songs. *Animal Behaviour*, *104*, 213-228.

### Submitted Manuscripts

- Congdon, J. V., Hahn, A. H., **Campbell, K. A.**, Scully, E. N., Mischler, S. K., Montenegro, C., Service, W. D., & Sturdy, C. B. (resubmitted August 5, 2019). Discrimination of high- and low-threat vocalizations: An examination of referential communication in black-capped chickadee (*Poecile atricapillus*) mobbing calls. Manuscript in revision for publication in *Behavioural Processes* (BEPROC\_2019\_156).
- Congdon, J. V., Hahn, A. H., **Campbell, K. A.**, Scully, E. N., Yip, D. A., Bayne, E. M., & Sturdy, C. B. (submitted June 20, 2019). Can you hear me now? The effect of signal degradation on perceived predator threat in black-capped chickadees. Manuscript submitted for publication in *Behavioural Processes* (BEPROC\_2019\_188).

### NON-PEER-REVIEWED PUBLICATIONS

- Department of Psychology Research Areas - Department of Psychology PR Brochure, University of Alberta, 2015
- From point A to point B: Dr. Alinda Friedman's study of how we get from here to there - Department of Psychology Website, University of Alberta, 2015

### CONFERENCE PRESENTATIONS

- Patel, D. D., Montenegro, C., Service, W. D., Scully, E. N., Mischler, S. K., **Campbell, K. A.**, & Sturdy, C. B. (2020). Black-capped chickadees (*Poecile atricapillus*) can identify individual females by their *fee-bee* song. Poster, Royce-Harder Research Conference (Online) [Regional].
- Montenegro, C., Service, W. D., Scully, E. N., Mischler, S. K., Benowicz, T., Fox, K., Sahu, P., **Campbell, K. A.**, & Sturdy, C. B. Black-capped chickadees (*Poecile atricapillus*) can identify individual females by their *fee-bee* songs II: The impact of anthropogenic noise. Poster, Royce-Harder Research Conference (Online) [Regional].
- \* **Campbell, K. A.**, Hoeschele, M., Mann, D., Congdon, J. V., Scully, E. N., Mischler, S. K., Montenegro, C., Service, W. D., & Sturdy, C. B. (2020). Preference for and discrimination of

syntactically ordered or scrambled *chick-a-dee* calls in black-capped chickadees (*Poecile atricapillus*). Paper, Conference on Comparative Cognition (Melbourne, FL) [International]. \* paper accepted but not presented; conference cancelled due to COVID-19

\* Congdon, J. V., Hahn, A. H., **Campbell, K. A.**, & Sturdy, C. B. (2020). Can humans understand birds? An investigation of humans' ability to categorize black-capped chickadee songs that vary in the sex and geography of the producer. Paper, Conference on Comparative Cognition (Melbourne, FL) [International]. \* paper accepted but not presented; conference cancelled due to COVID-19

\* Montenegro, C., Service, W. D., Scully, E. N., Mischler, S. K., **Campbell, K. A.**, & Sturdy, C. B. (2020). Black-capped chickadees (*Poecile atricapillus*) can identify individual females by their fee-bee songs I: Initial baseline performance. Paper, Conference on Comparative Cognition (Melbourne, FL) [International]. \* paper accepted but not presented; conference cancelled due to COVID-19

\* Montenegro, C., Service, W. D., Scully, E. N., Mischler, S. K., Benowicz, T., Fox, K., Sahu, P., **Campbell, K. A.**, & Sturdy, C. B. (2020). Black-capped chickadees (*Poecile atricapillus*) can identify individual females by their *fee-bee* songs II: The impact of anthropogenic noise. Paper, Conference on Comparative Cognition (Melbourne, FL) [International]. \* paper accepted but not presented; conference cancelled due to COVID-19

**Campbell, K. A.**, Thunberg, S., Sturdy, C. B. (2019). Features of Male- and Female-Produced Song in Black-Capped Chickadees (*Poecile Atricapillus*) Change Between Seasons. Presentation, Acoustics Week in Canada (Edmonton, AB) [National].

**Campbell, K.A.**, Congdon, J.V., Scully, E.N., Hahn, A.H., & Sturdy, C.B. (2019). Do black-capped chickadees (*Poecile atricapillus*) discriminate between male- and female-produced *chick-a-dee* calls? Presentation, Conference on Comparative Cognition (Melbourne, FL) [International].

Montenegro, C., Service, W.D., **Campbell, K.A.**, Scully, E.N., Mischler, S.K., Congdon, J.V., & Sturdy, C.B. (2019). Behavioural responses to female song playback in black-capped chickadees (*Poecile atricapillus*). Presentation, Conference on Comparative Cognition (Melbourne, FL) [International].

Congdon, J.V., Hahn, A.H., **Campbell, K.A.**, Scully, E.N., Mischler, S.K., Montenegro, C., Service, W.D., & Sturdy, C.B. (2019). Referential communication in black-capped chickadee (*Poecile atricapillus*) mobbing calls. Presentation, Conference on Comparative Cognition (Melbourne, FL) [International].

Mischler, S.K., **Campbell, K.A.**, Congdon, J.V., Montenegro, C., Scully, E.N., Service, W.D., Hahn, A.H., Mennil, D.J., Otter, K.A., & Sturdy, C.B. (2019). Differing levels of anthropogenic noise affects discrimination of conspecific *fee-bee* songs by black-capped chickadees (*Poecile atricapillus*). Poster, Conference on Comparative Cognition (Melbourne, FL) [International].

Mischler, S. K., **Campbell, K. A.**, Congdon, J. V., Montenegro, C., Scully, E. N., Service, W. D., Hahn, A. H., Mennil, D. J., Otter, K. A., & Sturdy, C.B. (2018). Anthropogenic noise affects discrimination of conspecific *fee-bee* songs by black-capped chickadees. Poster, Fall satellite meeting SFN (San Diego, CA) [International].

Congdon, J. V., Hahn, A. H., Filippi, P., Hoang, J., **Campbell, K. A.**, Scully, E. N., Bowling, D. L., Reber, S. A., & Sturdy, C. B. (2018). Emotional perception in humans and birds. Invited speaker, International Conference on Language and Social Psychology (ICLASP16) (Edmonton, AB) [International].

Montenegro, C., Service, W. D., **Campbell K. A.**, Scully, E. N., Mischler, S., Congdon, J. V., & Sturdy, C. B. (2018, April). Behavioural responses to female song playback in Black-Capped

- Chickadees (*Poecile atricapillus*). Poster, 32nd Annual Joseph R. Royce Conference (Edmonton, AB) [Regional].
- Service, W. D., Montenegro, C., **Campbell, K. A.**, Scully, E. N., Congdon, J. V., & Sturdy, C. B. (2018). Black-capped chickadee (*Poecile atricapillus*) response to altered syntax fee-bee song. Poster, 32nd Annual Joseph R. Royce Conference (Edmonton, AB) [Regional].
- Campbell, K. A.**, Gastrock, R., & Sturdy, C. B. (2018). Body size of caller is a better predictor of call frequency in black-capped chickadees (*Poecile atricapillus*) than sex. Presentation, Conference on Comparative Cognition (Melbourne, FL) [International].
- Congdon, J. V., Hahn, A. H.\*, Filippi, P.\*, Hoang, J.\*, **Campbell, K. A.**, Scully, E. N., Bowling, D. L., Reber, S. A., & Sturdy, C. B. (2018). A comparison of black-capped chickadee and human perception of arousal in vocalizations across all classes of terrestrial vertebrates. Presentation, Conference on Comparative Cognition (Melbourne, FL) [International].
- Sturdy, C. B., Congdon, J. V., Hahn, A. H., Yip, D. A., **Campbell, K. A.**, Scully, E. N., & Bayne, E. M. (2018). Threat perception: Impact of degradation and anthropogenic noise. Presentation, Conference on Comparative Cognition (Melbourne, FL) [International].
- Scully, E. N., **Campbell, K. A.**, Congdon, J. V., & Sturdy, C. B. (2018). Discrimination of season in *chick-a-dee* calls. Presentation, Conference on Comparative Cognition (Melbourne, FL) [International].
- Mohamed, H., Wyering, C., **Campbell, K. A.**, & Sturdy, C. B. (2017). Body size correlates negatively with bioacoustic measures of *tseet* calls of black-capped chickadees. Poster, WISEST Conference 2017 (Edmonton, AB) [Regional].
- Wyering, C., Mohamed, H., **Campbell, K. A.**, & Sturdy, C. B. (2017). Sex differences in black-capped chickadee' (*Poecile atricapillus*) *tseet* calls. Poster, WISEST Conference 2017 (Edmonton, AB) [Regional].
- Campbell, K. A.**, Hahn, A. H., Congdon, J. V., Scully, E. N., & Sturdy, C. B. (2017). Ability to categorize sex of vocalizing birds may depend on vocalization type in black-capped chickadees (*Poecile atricapillus*). Presentation, Conference on Comparative Cognition (Melbourne, FL) [International].
- Congdon, J. V., Hahn, A. H., Yip, D. A., **Campbell, K. A.**, Scully, E. N., Bayne, E. M., & Sturdy, C. B. (2017). An investigation of the effect of signal degradation on perceived predator threat. Presentation, Conference on Comparative Cognition (Melbourne, FL) [International].
- Scully, E. N., Congdon, J. V., Hahn, A. H., Schuldhaus, B. C., **Campbell, K. A.**, Wilson, D. R., Mennill, D. J., & Sturdy, C. B. (2017). ZENK expression in black-capped chickadees (*Poecile atricapillus*) as a function of D note number and duty cycle. Presentation, Conference on Comparative Cognition (Melbourne, FL) [International].
- Gastrock, R. Q., **Campbell, K. A.**, Hahn, A. H., Sturdy, C. B. (2017). Sex-related differences in the acoustics of the *chick-a-dee* calls of the black-capped chickadee (*Poecile atricapillus*): Somatic influences. Poster, 31st Annual Joseph R. Royce Conference (Edmonton, AB) [Regional].
- Schuldhaus, B. C., Scully, E. N., Congdon, J. V., Hahn, A. H., **Campbell, K. A.**, Wilson, D. R., Mennill, D. J., & Sturdy, C. B. (2017). The influence of varying D note number and duty cycle on ZENK expression in black-capped chickadees (*Poecile atricapillus*). Poster, 31st Annual Joseph R. Royce Conference (Edmonton, AB) [Regional].
- Sturdy, C. B., **Campbell, K. A.**, Congdon, J. V., Hahn, A. H., McMillan, N., & Scully, E. N. (2016). Category perception in songbirds: Moving from perceptual to functional. Invited seminar,

Canadian Society for Brain, Behaviour and Cognitive Science (CSBBCS) 26th Annual Meeting (Ottawa, ON) [National].

- Duia, S., Dahal, R., **Campbell, K. A.**, & Sturdy, C. B. (2016). Sex differences in composition of black-capped chickadee (*Poecile atricapillus*) chick-a-dee calls. Poster, WISEST Conference 2016 (Edmonton, AB) [Regional].
- Dahal, R., Duia, S., **Campbell, K. A.**, & Sturdy, C. B. (2016). Individual differences in black-capped chickadee (*Poecile atricapillus*) chick-a-dee calls across time. Poster, WISEST Conference 2016 (Edmonton, AB) [Regional].
- Campbell, K. A.**, Hahn, A. H., Congdon, J. V., & Sturdy, C. B. (2016). Are there sex differences in individual notes of black-capped chickadee chick-a-dee calls? Presentation, Conference on Comparative Cognition (Melbourne, FL) [International].
- Sturdy, C. B., Hahn, A. H., Hoang, J., McMillan, N., **Campbell, K. A.**, & Congdon, J. V. (2016). Biological salience influences song discrimination: Evidence from chickadees and neural networks. Presentation, Conference on Comparative Cognition (Melbourne, FL) [International].
- Scully, E. N., Hahn, A. H., **Campbell, K. A.**, McMillan, N., Congdon, J. V., & Sturdy, C. B. (2016). A re-examination of ZENK expression following hetero- and conspecific playback in the zebra finch auditory forebrain. Presentation, Conference on Comparative Cognition (Melbourne, FL) [International].
- Intaprasert, T., Scully, E. N., Hahn, A. H., **Campbell, K. A.**, McMillan, N., Congdon, J. V., & Sturdy, C. B. (2016). The effects of conspecific and heterospecific vocalizations on ZENK expression in the zebra finch (*Taeniopygia guttata*) auditory forebrain. Poster, 30th Annual Joseph R. Royce Conference (Edmonton, AB) [Regional].
- Warren, H. F., **Campbell, K. A.**, & Sturdy, C. B. (2016). Comparison of note compositions between sexes of black-capped chickadees. Poster, 30th Annual Joseph R. Royce Conference (Edmonton, AB) [Regional].
- Campbell, K. A.**, Hahn, A. H., Congdon, J. V., & Sturdy, C. B. (2015). Sex-specific acoustic features contained in the black-capped chickadee (*Poecile atricapillus*) chick-a-dee call. Poster, Conference on Comparative Cognition (Melbourne, FL) [International].
- Hoang, J., Hahn, A. H., Hoeschele, M., Cervantes, D., McMillan, N., Congdon, J. V., **Campbell, K. A.**, Weisman, R. G. & Sturdy, C. B. (2015). Intra- and inter-octave tests of human and black-capped chickadee octave perception. Presentation, Conference on Comparative Cognition (Melbourne, FL) [International].
- McMillan, N., Spetch, M. L., Pisklak, J. M., Hahn, A. H., Hoang, J., Congdon, J. V., **Campbell, K. A.**, & Sturdy, C. B. (2015). Temporal Structure is Key to Midsession Reversal Performance in Pigeons and Chickadees. Presentation, Conference on Comparative Cognition (Melbourne, FL) [International].
- Yong, J. J. H., Hahn, A. H., **Campbell, K. A.**, Congdon, J. V., Hoang, J., McMillan, N., Scully, E. N., & Sturdy, C. B. (2015). Discrimination of acoustically similar Parid and Estrildid vocalizations by black-capped chickadees (*Poecile atricapillus*). Poster, 29th Annual Joseph R. Royce Conference (Edmonton, AB) [Regional].
- Radu, A., Gill, P., **Campbell, K. A.**, Hoang, J., & Sturdy, C. B. (2015). Acoustic changes in calls of black-capped chickadees across seasons. Poster, WISEST Conference 2015 (Edmonton, AB) [Regional].



Gill, P., Radu, A., **Campbell, K. A.**, Hoang, J., Sturdy, C. B. (2015). Differences in acoustic features between sexes and across seasons in the chick-a-dee call of black-capped chickadees (*Poecile atricapillus*). Poster, WISEST Conference 2015 (Edmonton, AB) [Regional].

**Campbell, K. A.**, Hahn, A. H., & Sturdy, C. B. (2014). Features indicating sex of the caller in the chick-a-dee call of black-capped chickadees (*Poecile atricapillus*). Poster, 28th Annual Joseph R. Royce Conference (Edmonton, AB) [Regional].

Fleming, S. R., **Campbell, K. A.**, & Sturdy, C. B. (2014). Sex-identifying features in the chick-a-dee call of black-capped chickadees (*Poecile atricapillus*). Poster, WISEST Conference 2014 (Edmonton, AB) [Regional].

## **PROFESSIONAL MEMBERSHIPS**

Comparative Cognition Society, December 2014 - Present

## **ACADEMIC SERVICE**

### **Committees**

Departmental Committee for Consolidation 2015/2016

Member of Graduate Psychology Association (GPA) - Infotech/Webmaster for 2013/2014, 2014/2015, 2015/2016, 2016/2017, 2017/2018

Royce Psychology Conference Organizing Committee 2015

### **Journals Refereed**

Reviewed for Animal Behaviour (2 ms, April 2020, June 2018)

Reviewed for Behavioural Processes (1 ms, October 2015)

## **COMMUNITY SERVICE**

### **Volunteering and Invited Speaker**

Guest Presenter, *UofA Research Showcase*, Telus World of Science Edmonton, May 2018

Guest presenter, *Dark Matters: Science of Sex*, Telus World of Science Edmonton (TWOSE), December 2017.

Guest Presenter, *UofA Research Showcase*, Telus World of Science Edmonton, April 2017

Graduate Student Speaker, Undergraduate Psychology Association (University of Alberta) sponsored Q&A about Graduate School, 2015

Role Model (Speaker), WISEST Summer Research Program Networking Fair, July 2014