Curriculum Vitae

**Leslie S. Phillmore**

Dalhousie University

Assistant Professor, Department of Psychology and Neuroscience

Member, Neuroscience Institute

Dalhousie University, Department of Psychology and Neuroscience, Life Sciences Centre, 1355 Oxford St., PO Box 15000 Halifax NS B3H 4R2

**phone**: (902)494-2794 **fax**: (902)494-6585 **leslie.phillmore@dal.ca**

**Research Interests**

*The neural basis of perception in animals, specifically songbirds, including: seasonal effects on perception and neural plasticity, molecular neurobiology (IEGs, neurogenesis), effects of early learning on adult perception of conspecific vocalizations, auditory distance perception, and auditory discrimination and recognition of individuals*.

**Education and Training**

2002-2006 NSERC Post-Doctoral Fellow University of Western Ontario

*Dr. Scott MacDougall-Shackleton*

*Advisor*

2001 Ph.D. Psychology Queen's University

*Dr. Ron Weisman, Supervisor*

1997 M.A. Psychology Queen's University

*Dr. Ron Weisman, Supervisor*

1995 B.A. (Hons.) Psychology University of Western Ontario

*Dr. Mark Cole, Supervisor*

**Employment**

2013-present Associate Professor Dalhousie University

Department of Psychology and Neuroscience

2006 – 2013 Assistant Professor Dalhousie University

Department of Psychology and Neuroscience

2001 Research Assistant Queen's University

Drs. H. Mouritsen, B. Frost (supervisors)

2001 Adjunct Professor Queen’s University

Department of Psychology

March - April 1996 Visiting Scientist Johns Hopkins University

Department of Psychology

Dr. G. F. Ball (advisor)

1995 Research Assistant University of Western Ontario

Department of Psychology

Dr. W. A. Roberts (advisor)

1992-1995 Research Assistant Huron College at UWO

Department of Psychology

Dr. M. R. Cole (advisor)

**Research Funding Currently Held**

**As principal investigator**

2012-2017 NSERC Discovery Grant – Individual $125 000

*“Behavioural neurobiology of avian communication”*

2010-2015 CFI – Infrastructure Operating Fund $ 24 252

*“Infrastructure to study the neurobiology of birdsong”*

**As minor collaborator**

2009-2013 SSHRC Major Collaborative Research Initiative $2 418 530

*“Advancing Interdisciplinary Research in Singing:*  ($9100)

*Development, Education, and Well-Being”*

Dr. Annabel Cohen (PI)

**Research Funding Previously Held**

**As principal investigator**

2006-2012 NSERC Discovery Grant – Individual $121 650

*“Behavioural neurobiology of animal communication systems”*

2012-2013 NSHRF Development and Innovation Grant $ 15 000

*“An avian model of stress and parenting: Effects on stress response, vocal communication, and the brain.”*

2010 Nova Scotia Research and Innovation Trust $121 262

*CFI Matching Funds*

2008 CFI – Leader’s Opportunity Fund $121 262

*“Infrastructure to study the neurobiology of birdsong”*

2008 NSERC Research Tools and Instruments $ 17 000

*“Equipment for birdsong collection, playback, and analysis”*

2006 NSERC Research Tools and Instruments $ 19 440

*“Soundproof chambers for the study of songbird perception”*

2006 Dalhousie University – Start up Funding $ 75 000

**As co-applicant**

2010 NSERC Research Tools and Instruments $ 14 532

*‘Ultra-low temperature freezer and dry ice maker’*

Dr. Ian Meinertzhagen (PI) and 3 co-applicants

2008 NSERC Research Tools and Instruments $ 47 852

*“ Using quantitative PCR as part of a multilevel approach to neuroscience”*

Dr. Tara Perrot (PI) and 4 co-applicants

**Publications**

\* indicates independent contribution from the Phillmore Neurobiology of Birdsong Laboratory

Please note that in my discipline, the PI is generally last author on publications by students from their lab. Students supervised by L. Phillmore are shown in **bold;** Times cited is shown in square brackets.

**Peer-reviewed Journal Articles (21):**

\*Phillmore LS, **MacGillivray HL, Wilson KR, Martin, S.** (2015). Effects of sex and seasonality on the song control system and FoxP2 protein expression in black-capped chickadees (*Poecile atricapillus*). *Dev Neurobiol*, *75, 203-216*. [0]

\***Roach SP, Johnson, L**, Phillmore LS. (2012). Repertoire composition and singing behaviour in two eastern populations of the Hermit Thrush (*Catharus guttatus*). *Bioacoustics, 21,* 239-252. [1]

\*Phillmore LS, **Veysey AS, Roach SP**. (2011). Zenk expression in auditory region changes with breeding condition in male Black-capped chickadees (*Poecile atricapillus*). *Behav Brain Res, 225*, 464-472. [11]

Hernandez AM, Phillmore LS, MacDougall-Shackleton SA. (2008). Effects of learning on song preferences and Zenk expression in female songbirds. *Behav Process, 77,* 278-284. [12]

\*Phillmore LS. (2008). Discrimination: from behaviour to brain. *Behav Process, 77,* 285-297. [7]

Hoshooley J, Phillmore LS, Sherry DF, MacDougall-Shackleton SA. (2007). Annual cycle of the black-capped chickadee: seasonality of food-storing and the hippocampus. *Brain Behav Evolut, 69,* 161-168. [23]

Phillmore LS, Hoshooley J, Sherry DF, MacDougall-Shackleton SA. (2006). Annual cycle of the black-capped chickadee: seasonality of singing rates and vocal-control brain regions. *J Neurobiol, 66*, 1002-1010. [18]

Avey MT, Phillmore LS, MacDougall-Shackleton SA. (2005). Immediate early gene expression following exposure to acoustic and visual components of courtship in zebra finches. *Behav Brain Res, 165 (2),* 247-253. [30]

Phillmore LS, Hahn TP, MacDougall-Shackleton SA. (2005). A test of absolute photorefractoriness and photo-induced neural plasticity of song-control regions in black-capped chickadees (*Poecile atricapillus*). *Can J Zoolog, 83,* 747-753. [7]

Hoshooley J, Phillmore LS, MacDougall-Shackleton SA. (2005). An examination of avian hippocampal neurogenesis in relation to photoperiod. *Neuroreport, 16,* 987-991. [13]

Bloomfield L, Weisman RG, Phillmore LS, Sturdy CB. (2005). Note Types and Coding in Parid Vocalizations III: The Chick-a-dee Call of the Carolina Chickadee (*Poecile carolinensis*). *Can J Zoolog*, 83, 820-833. [27]

Phillmore, LS, Bloomfield L, Weisman R. (2003). Effects of songs and calls on ZENK response in the auditory telencephalon of field- and isolate-reared black-capped chickadees. *Behav Brain Res*, *14*7, 125-134. [20]

Phillmore LS, Sturdy CB, Weisman RG. (2003). Does reduced social contact affect discrimination of distance cues and individual vocalizations? *Anim Behav, 65,* 911-922. [18]

Bloomfield L, Sturdy CB, Phillmore LS, Weisman RG. (2003). Open-ended categorization of chick-a-dee calls by black-capped chickadees (*Poecile atricapilla*). *J Comp Psychol, 177*, 290-301. [14]

Phillmore LS, Sturdy CB, Turyk M, Weisman RG. (2002). Discrimination of Individual Vocalizations by Black-Capped Chickadees (*Poecile atricapilla*), *Anim Learn Behav, 30,* 43-52. [22]

Sturdy CB, Phillmore LS, Weisman RG. (2001). Reduced social contact causes auditory perceptual deficits in zebra finches. *Anim Behav, 62,* 1207-1218. [29]

Sturdy CB, Phillmore LS, Weisman RG. (2000). Call-note discriminations in black-capped chickadees (*Poecile atricapillus*). *J Comp Psychol, 114,* 357-364. [27]

Sturdy CB, Phillmore LS, Weisman RG. (1999). Note types, harmonic structure, and note order in the songs of zebra finches (*Taeniopygia guttata*). *J Comp Psychol, 113,* 194–203. [32]

Sturdy CB, Phillmore LS, Price JL, Weisman RG. (1999). Song-note discriminations in zebra finches (*Taeniopygia guttata*): Categories and pseudocategories. *J Comp Psychol, 113*, 204-212. [25]

Phillmore LS, Sturdy CB, Ramsay SM, Weisman RG. (1998). Discrimination of auditory distance cues in black-capped chickadees (*Poecile atricapillus*) and zebra finches (*Taeniopygia guttata*). *J Comp Psychol*, *112,* 282-291. [14]

Weisman RG, Njegovan M, Sturdy CB, Phillmore LS, Coyle J, Mewhort, D. (1998). Frequency range discriminations: Special and general abilities in zebra finches (*Taeniopygia guttata*) and humans (*Homo sapiens*). *J Comp Psychol, 112,* 244 - 258. [36]

**Book Chapters*:***

Phillmore LS, MacDougall-Shackleton SA (2007). Photoperiodism and the annual cycle of black-capped chickadees. In Otter, K.A. ed. *Ecology and behavior of chickadees and titmice: an integrated approach.*

**Book Reviews:**

Phillmore, LS (2008). Dissertations and Thesis from Start to Finish. (John D. Cone and Sharon Foster). *Can Psychol, 49,* 74-76.

**Published Abstracts:**

\***Phelan HL**, Phillmore LS. (2010). The effects of maternal care on offspring fitness in the Zebra finch (*Taeniopygia guttata*). *Can J Exp Psychol, 64*, 305.

\***Roach SP, Veysey A, Cormier J**, Phillmore LS. (2010). Seasonal variation in gene expression in response to playback of vocalizations by black-capped Chickadees (*Poecile atricapillus*). *Can J Exp Psychol, 64,* 305.

\*Phillmore LS, **Lavranos H**, Gadbois S. (2008). Characterization of electrocommunicative signals of elephant nose fish (*Gnathonemus petersii*). *Can J Exp Psychol, 62,* 288.

\*Phillmore LS, **Roach SP, Robblee L**. (2008) To everything there is a season: Behavioural response to playback of vocalizations by black-capped chickadees. *Can J Exp Psychol, 62,* 317.

Phillmore LS, Macdougall-Shackleton SA. (2002). Photoperiodism in black-capped chickadees. *Integrative and Comparative Biology, 42*, 1293-1294.

**Invited Talks and Colloquia (15)**

Phillmore LS. (2015). Forward to professorship: Tips for surviving. *Forward to professorship Canada workshop,* (Ottawa ON).

\*Phillmore LS. (2014). Stress and the single bird: effects of single parenting on mother, father, and offspring in typically bi-parental zebra finches. *Huron College/AIRS*, (London ON).

\*Phillmore LS. (2011). Seasonal plasticity in black-capped chickadees: Behaviour to Brain. *Acadia University Biology Department Seminar Series* (Wolfville NS).

\*Phillmore LS. (2010). When, Who, and How Many? The influence of the environment on songbird brain and behaviour. *Anatomy and Neurobiology Seminar Series* (Dalhousie University; Halifax NS).

\*Phillmore LS. (2010). Does the brain remain the same? Seasonal plasticity in black-capped chickadees. *Neuroscience Institute Seminar Series* (Dalhousie University; Halifax NS).

Phillmore LS, Sturdy CB, Weisman RG. (2007) The building blocks of ranging – What laboratory studies of distance perception can tell us. *Sound Source Localization special session* (Acoustical Society of America; New Orleans, 154th meeting).

Phillmore LS. (2007). A review of discrimination learning: From behaviour to brain. *The International Conference on Comparative Cognition, 14th Annual Meeting* (Melbourne, FL).

Phillmore LS. (2004). What’s that you say? Behavioural and Neural Measures of Perception in Black-Capped Chickadees. *Psychology Department* (Dalhousie University; Halifax NS).

Phillmore LS. (November, 2003; January 2004). Use of Immediate-early Genes to Measure Activity in Auditory Perceptual Areas in Songbirds. *Biology Department* (2003); *Psychology Department* (2004), (Wilfrid Laurier University*;* Waterloo ON).

Phillmore LS. (2003). Neural and Perceptual Processing in Songbirds. *Behaviour, Cognition, and Neuroscience Group* (University of Windsor; Windsor ON).

Phillmore LS. (2002). Perception of conspecific vocalizations in songbirds as measured by immediate early genes. *Animal Learning Seminar* (Queen’s University; Kingston ON).

Phillmore LS. (2002). What’s that you say? Behavioural and neural measures of perception in black-capped chickadees. *Animal Cognition Seminar Series* (University of Western Ontario; London ON).

Phillmore LS. (2000). The importance of experience to auditory distance perception in black-capped chickadees. *Animal Cognition Seminar Series* (University of Western Ontario; London, ON).

Phillmore LS, Sturdy C, Ramsay S, Weisman RG. (1998). Individual recognition and distance in songbirds. *Queen's Biology Department EEB Colloquium Series* (Kingston, ON).

Phillmore LS, Sturdy CB, Ramsay S, Weisman, RG. (1998). Distance makes the bird fly farther or discrimination of auditory distance cues by songbirds. *Department of Psychology* (University of Alberta; Edmonton AB).

Phillmore LS, Sturdy CB, Ramsay S, Weisman RG. (1998). From field to laboratory: studying auditory distance perception in songbirds. *BEERS Seminar Series* (Department of Biology;Kingston ON).

**Conference Presentations**

\* indicates independent contribution from the Phillmore Neurobiology of Birdsong Laboratory

Students supervised by L. Phillmore are shown in **bold; first author is usually presenting author**

\*Phillmore LS, **Fisk J, Aitken SD,** Perrot TS (2015). Does having a single father affect song learning and the brain in zebra finches? Society for Neuroscience Annual Meeting (Washington DC). (Poster)

\*Phillmore LS**, Fisk J, Squires J, Aitken SD,** Perrot, TS (2014) Effects of parent removal on parents and offspring in a typically biparental songbird, Taeniopygia guttata (Taeniopygia guttata). Canadian Association of Neuroscience Annual Meeting (Montreal, CA). (Poster)

\***Aitken, SD**, Phillmore LS(2014) Effects of housing conditions on neurogenesis in black-capped chickadees (Poecile atricapillus). Canadian Association of Neuroscience Annual Meeting (Montreal, CA). (Poster)

\***MacLeod JW, Roach SP,** Phillmore LS. (2014). A longitudinal examination of hermit thrush *(Catharus guttatus)*singing behaviour. 44th Ontario Ecology, Ethology, and Evolution Colloquium. (Guelph, ON). (Poster)

\*Phillmore LS**, Fisk J, Squires J, Aitken SD,** Perrot, TS (2014) Stress and the single bird: effects of single parenting on parents and offspring in typically biparental zebra finches (Taeniopygia guttata). Avian Model Systems 2014, Cold Spring Harbour Laboratory, (NY, USA). (Poster)

\***Aitken SDT, Peddle S,** Phillmore LS (2013) Effect of housing condition on neurogenesis in black-capped chickadees (Poecile atricapillus). Canadian Association of Neuroscience Annual Meeting (Toronto, CA). (Poster)

\***Fisk J, McGuire, EP**, Robertson, HA, Phillmore LS (2013) Effects of sex and duration of social pairing on neurogenesis in zebra finches (Taeniopygia guttata). Canadian Association of Neuroscience Annual Meeting (Toronto, CA). (Poster)

\*Phillmore LS, **MacGillivray HL, Martin STE, Roach SP, Wilson KR**. (2012) Effects of breeding condition and sex on volume and FoxP2 expression in the song control system of black-capped chickadees (*Poecile atricapillus*). *Society for Neuroscience Annual Meeting* (New Orleans LA). (Poster)

\*Phillmore LS, **McGuire EP, Wolfe C, Kinoshita H**, Robertson HA. (2011). Effect of social context on neurogenesis in the adult zebra finch (*Taeniopygia guttata). Fifth Annual Canadian Neuroscience Meeting* (Quebec City QC). (Poster)

**\*Roach SP**, Batt J, Phillmore LS. (2011). Neural FoxP2 expression in the brown ghost knifefish *(Apteronotus leptorhynchus)*. *Fifth Annual Canadian Neuroscience Meeting* (Quebec City QC). (Poster)

**\*Wilson KR, Martin STE**, Phillmore LS. (2011). Effect of breeding condition on volume of song control nuclei and FoxP2 expression in female black-capped chickadees (*Poecile atricapillus). Fifth Annual Canadian Neuroscience Meeting* (Quebec City QC). (Poster)

**\*Roach SP, Veysey A, Cormier J**, Phillmore LS. (2010). Seasonal variation in gene expression in response to playback of vocalizations by black-capped chickadees (*Poecile atricapillus*) *Canadian Society for Brain, Behaviour, and Cognitive Science Annual Meeting* (Halifax NS). (Talk)

**\*Phelan H**, Phillmore LS. (2010). The effects of maternal care on offspring fitness in the zebra finch (*Taeniopygia guttata*). *Canadian Society for Brain, Behaviour, and Cognitive Science Annual Meeting* (Halifax NS). (Talk)

**\*Phelan H**, Phillmore LS. (May 2010). The effects of maternal care on offspring fitness in the zebra finch (*Taeniopygia guttata*). *APICS Psychology Conference* (Antigonish NS). (Talk)

**\*Roach SP**, Mennill DJ, Phillmore LS, (2009). Neural and behavioural responses to playback of altered songs by male and female black-capped chickadees (*Poecile atricapillus*). *Society for Neuroscience Annual Meeting* (Chicago IL). (Poster)

\*Phillmore LS, **Roach SP, Kinoshita H**, Robertson HA. (2009). Social context and rates of proliferation in the brain of male and female zebra finches (*Taeniopygia guttata*). *Society for Neuroscience Annual Meeting* (Chicago IL). (Poster)

\*Phillmore LS, **Aube A, Roach SP, Cormier J**, Perrot-Sinal TP. (2009). The effects of maternal-only care on multiple generations of Zebra finches (*Taeniopygia guttata*). *XXXI International Ethological Conference* (Rennes France). (Talk)

**\*Kinoshita H**, Phillmore, LS. (2009). Adult neurogenesis in the zebra finch (*Taeniopygia guttata*): assessment of anatomical location and effects of social context. *Rising Stars of Research Annual Poster Convention* (Vancouver BC). (Poster)

**\*Roach SP, Robblee L**, Phillmore LS. (2008). Seasonal variation in response to playback of vocalizations by black-capped chickadees (*Poecile atricapillus*). *Society for Neuroscience Annual Meeting* (Washington D.C.). (Poster)

\*Phillmore LS, **Roach S, Robblee L**. (2008). To everything there is a season: Behavioural response to playback of vocalizations by black-capped chickadees. *Avian Biocognition Symposium; Canadian Society for Brain, Behaviour and Cognitive Science Annual Meeting* (London ON). (Talk)

\*Phillmore L, **Lavranos H**, Gadbois S. (2008). Characterization of electrocommunicative signals of elephant nose fish (*Gnathonemus petersii*). *Canadian Society for Brain, Behaviour and Cognitive Science Annual Meeting* (London ON). (Poster)

**\*Robblee L, Roach S**, Phillmore LS. (2008). Behavioural response to playback of vocalizations by Black-capped chickadees (*Poecile atricapillus*). *Canadian Society of Zoologists Annual Meeting* (Halifax NS). (Poster)

Phillmore LS, Hoshooley J, Sherry DS, MacDougall-Shackleton SA. (2005). Neuronal recruitment to the hippocampus changes seasonally but hippocampal volume does not in food-storing black-capped chickadees. *Society for Neuroscience Annual Meeting* (Washington DC). (Poster)

Phillmore LS, Hoshooley J, Sherry DS, MacDougall-Shackleton SA. (2005). Seasonal plasticity of the brain and behaviour in black-capped chickadees. *Canadian Society for Brain, Behaviour and Cognitive Science Annual Meeting* (Montreal QC). (Paper)

Phillmore LS, MacDougall-Shackleton SA. (2003). Photoperiodism in black-capped chickadees. *Society for Integrative and Comparative Biology Annual Meeting* (Toronto ON). (Paper)

Phillmore-MacPhail L, Kadis D, Avey M, MacDougall-Shackleton SA. (2002). Effect of mate versus non-mate song playback on ZENK expression in female zebra finches. *Conference on the Behavioural Neurobiology of Birdsong* (New York NY). (Poster)

Phillmore L, Bloomfield L, Weisman RG. (2002). ZENK response to conspecific calls and songs in Black-capped chickadees. *The International Conference on Comparative Cognition* *9th Annual Meeting* (Melbourne FL). (Paper)

Bloomfield L, Sturdy CB, Phillmore LS, Weisman RG. (2002). Do black-capped chickadees treat their calls and those of Carolina chickadees as different categories? *The International Conference on Comparative Cognition* *9th Annual Meeting* (Melbourne FL). (Paper)

Bloomfield L, Phillmore LS, Weisman RG. (2002). Solving the syntax of the Carolina chickadee call. *The International Conference on Comparative Cognition* *9th Annual Meeting* (Melbourne, FL). (Paper)

Phillmore LS, Weisman RG. (2001). ZENK response to conspecific calls and songs in Black-capped chickadees. *Sixth Northeast Regional Birdsong Workshop* (Rockefeller Research Centre). (Paper)

Phillmore LS, Bloomfield L, Weisman RG. (2001). Effect of vocalization type on ZENK response in Black-capped chickadees. *Canadian Society for Brain Behaviour and Cognitive Science 11th Annual Meeting* (Quebec City QC). (Poster)

Weisman R, Kovelman I, Phillmore LS, Sturdy CB. (2001). Conspecific calls and songs have special cognitive status in auditory category discrimination. *Canadian Society for Brain Behaviour and Cognitive Science 11th Annual Meeting* (Quebec City QC). (Paper)

Phillmore LS, Sturdy CB, Weisman RG. (2000). Auditory distance perception in black-capped chickadees. . *Canadian Society for Brain, Behaviour and Cognitive Science 10th Annual Meeting* (Cambridge UK). (Paper)

Weisman RG, Sturdy CB, Phillmore LS. (2000). Natural auditory categories behave like screen-based visual categories. *The International Conference on Comparative Cognition* *7th Annual Meeting* (Melbourne, FL). (Paper)

Phillmore LS, Sturdy CB, Weisman RG. (1999). Individual recognition in songbirds. *The International Conference on Comparative Cognition 6th Annual Meeting* (Melbourne FL). (Paper)

Phillmore LS, Sturdy CB, Turyk M, Weisman RG. (1999). Individual recognition over distance by black-capped chickadees. *Animal Behavior Society 35th Annual Meeting* (Lewisberg PA). (Paper)

Sturdy CB, Phillmore LS, Hughes M, Nowicki S, Weisman RG. (1999). Discrimination of natural acoustic categories by black-capped chickadees (*Poecile atricapillus*). *Animal Behavior Society 35th Annual Meeting* (Lewisberg PA). (Paper)

Sturdy CB, Phillmore LS, Sartor JJ, Weisman RG. (1999). Isolation's effects on auditory perception in songbirds. *Animal Behavior Society 35th Annual Meeting* (Lewisberg PA). (Paper)

Sturdy CB, Phillmore LS, Weisman RG. (1999). The development of songbird perception. *The International Conference on Comparative Cognition 6th Annual Meeting* (Melbourne FL). (Paper)

Phillmore LS, Sturdy CB, Weisman RG. (1998). Is amplitude an effective auditory distance cue? *The International Conference on Comparative Cognition 5th Annual Meeting* (Melbourne FL). (Paper)

Phillmore LS, Sturdy CB, Ramsay S, Weisman RG. (1998). Amplitude and signal-to-noise ratio: Importance to discrimination of distance in songbirds. *The Canadian Society for Brain, Behaviour and Cognitive Science 8th Annual Meeting* (Ottawa ON). (Paper)

Phillmore LS, Sturdy CB, Ramsay S, Weisman RG. (1998). Amplitude and signal-to-noise ratio: Importance to discrimination of distance in songbirds. *Third Northeast Regional Birdsong Workshop* (Vassar College NY). (Paper)

Sturdy CB, Phillmore LS, Weisman RG. (1998). Bioacousticians and songbirds classify song notes: at one with nature? *Psychonomic Society 39th Annual Meeting* (Dallas TX). (Paper)

Sturdy CB, Phillmore LS, Price J, Weisman RG. (1998). Conspecific song note discrimination in zebra finches: Critical acoustic features? *Third Northeast Regional Birdsong Workshop* (Vassar College NY). (Paper)

Sturdy CB, Phillmore LS, Price J, Weisman RG. (1998). Conspecific song note category discrimination in zebra finches (*Taeniopygia guttata*). *The International Conference on Comparative Cognition 5th Annual Meeting* (Melbourne FL). (Paper)

Sturdy CB, Phillmore LS, Price J, Weisman RG. (1998). Song-note discrimination in zebra finches (*Taeniopygia guttata*). *The Canadian Society for Brain, Behaviour and Cognitive Science 8th Annual Meeting* (Ottawa ON). (Paper)

Weisman RG, Sturdy CB, Phillmore LS. (1998). Genes, perception, and conceptual knowledge. *The Canadian Society for Brain, Behaviour and Cognitive Science 8th Annual Meeting* (Ottawa ON). (Paper)

Phillmore LS, Sturdy CB, Weisman RG. (1997). A laboratory simulation of distance ranging in zebra finches and black-capped chickadees. *Second Northeast Regional Birdsong Workshop* (Cornell University NY). (Paper)

Phillmore LS, Sturdy CB, Weisman RG. (1997). Operant discrimination of distance in songbirds. *Animal Behaviour Society 34th Annual Meeting* (College Park MD). (Poster)

Phillmore LS, Sturdy CB, Weisman RG. (1997). Auditory distance perception in songbirds. *The International Conference on Comparative Cognition 4th Annual Meeting* (Melbourne, FL). (Paper)

Sturdy CB, Phillmore LS, Weisman RG. (1997). Note types in zebra finch song: bioacoustics and perception. *Second Northeast Regional Birdsong Workshop* (Cornell University NY). (Paper)

Sturdy CB, Phillmore LS, Weisman RG. (1997). Constraints on auditory discrimination learning in songbirds. *Psychonomic Society 38th Annual Meeting* (Philadelphia PA). (Paper)

Sturdy CB, Phillmore, LS, Weisman RG. (1997). Note order variability in the songs of zebra finches (*Taeniopygia guttata*). *Animal Behaviour Society 34th Annual Meeting* (College Park MD). (Poster)

Sturdy CB, Phillmore LS, Weisman RG. (1997). Note order variability in the songs of zebra finches (*Taeniopygia guttata*). *The International Conference on Comparative Cognition 4th Annual Meeting* (Melbourne FL). (Paper)

Njegovan M, Phillmore LS, Sturdy CB, Weisman RG. (1996). Multiple frequency range discrimination in songbirds, nonsongbirds, and humans. *The International Conference on Comparative Cognition 3rd Annual Meeting* (Melbourne FL). (Paper)

Phillmore LS, Cole MR. (1996). The effects of variable- and fixed-interval schedule histories on rates and patterning of response in a fixed-ratio schedule. *The International Society for Comparative Psychology 5th Annual Meeting* (Montreal QC). (Poster).

Njegovan M, Phillmore LS, Weisman RG, Coyle J. (1996). Multiple frequency range discrimination in songbirds, non-songbirds, and humans. *Animal Behavior Society 33rd Annual Meeting* (Flagstaff AZ). (Paper)

Phillmore LS, Sturdy CB, Weisman RG. (1996). Bioacoustic analysis of the harmonic structure of zebra finch song, *Taeniopygia guttata*. *Animal Behavior Society 33rd Annual Meeting* (Flagstaff AZ). (Poster)

Sturdy CB, Phillmore LS, Weisman RG. (1996). Active and passive filtering in zebra finch song, *Taeniopygia guttata*. *Animal Behavior Society 33rd Annual Meeting* (Flagstaff AZ). (Paper)

**Undergraduate Teaching**

**Please see teaching dossier for full description of courses and course outlines**

**Dalhousie University**:

**Neurobiology of Learning** – (NESC/PSYO 3043)

* + Lecture format, 3 hours per week
  + Taught 2006-9, 2011-present
* Enrollment 40-50 per year

**Lab Methods of Learning and Conditioning** – (NESC/PSYO 3043)

* + Lab format, 4 hours per week
  + Taught 2007-present
  + Enrollment 20 per year

**Introductory Psychology – Learning and memory section** (PSYO 1011)

* + Lectures only – 2 sections, each section 3 hours per week
  + Learning and memory section = 7 lectures
  + Taught 2007-present
  + Enrollment approximately 500 in each section

**Introductory Psychology – Clinical Psychology section** (PSYO 1012)

* + Lectures only – 2 sections, each section 3 hours per week
  + Clinical Psychology section = 7 lectures
  + Taught 2010
  + Enrollment approximately 500 in each section

Queen's University

**Experimental Psychology: Learning**

* Gave lectures and supervised TAs in a lab/lecture class
* 3 lecture hours per week
* Taught in 2001
* Enrollment approximately 100 students

**Graduate Teaching**

**Neuroscience 6100 (6 years)**

* One lecture, one quiz, facilitation of discussion in an Introductory Neuroscience course for first year graduate students in the Neuroscience Program

**Proseminar (5 years)**

* One lecture on topic of my choice, facilitation of discussion, marking short essays for first year graduate students in Psychology Department

**Student Supervision History**

Graduate Students – Thesis and Project Supervision

* Sean Aitken: Primary Supervisor, M.Sc. (2012-2014); Ph.D (2014-present)
* Sean Roach: Primary Supervisor, Ph.D. (2007-present), Comprehensive Project Supervisor (2009-2011)
* Ryan Wilson: Comprehensive Project Supervisor (2010-2011)
* Jeff MacLeod: Comprehensive Project Supervisor (2011–2013)

Undergraduate Students – Thesis and Project Supervision

* Tareq Yousef: NSERC USRA student (summer 2015)
* Emma Jansen: Biology Honours thesis supervisor (2015-2016)
* Emmalea Weirdsma: Biology Honours thesis supervisor (2014-2015)
* Laura Hunter: Biology Honours thesis supervisor (2013-2014)
* Jill Squires: Biology Honours thesis supervisor (2013-2014)
* Jordan Fisk: Honours Thesis supervisor (2012-2013), Independent research project

supervisor (2013-2014)

* Stephen Peddle: Honours Thesis supervisor (2012-2013)
* Ramz Aziz: Honours Thesis Supervisor (2012-2013)
* Heather MacGillivray: Biology Honours Thesis supervisor (2011-2012)
* Ashley Lockyer: Biology Honours Thesis supervisor (2011-2012)
* Caitlin Wolfe: Neuroscience Honours Thesis supervisor (2011-2012)
* Emily McGuire: Psychology Honours Thesis supervisor (2010-2011)
* Stephanie Martin: Neuroscience Honours Thesis supervisor (2010-2011)
* Lynn Johnson: Biology Honours Thesis supervisor (2010-2011)
* Jennifer McCallion: Independent Research Project supervisor (2009-2010)
* Ashley Parker: Independent Research Project supervisor (2009-2010)
* Heather Phelan: Neuroscience Honours Thesis supervisor (2009-2010); NSERC USRA student (summer 2010)
* Hannah Kinoshita: Neuroscience Honours Thesis supervisor (2009-2010); Independent Research Project supervisor (2008-2009)
* James Fraser: Directed Reading Project supervisor (2009)
* Andrew Veysey: Independent Research Project supervisor (2009)
* Angela Aube: Psychology Honours Thesis supervisor (2008-2009)
* Haralambos Lavranos: Psychology Honours Thesis co-supervisor (2007-2008)
* Laura Robblee: Psychology Honours Thesis supervisor (2007-2008)
* Olivier Heimrath: Independent Research Project supervisor (2007)

Research Assistant/Technician supervision

* Tareq Yousef (Sept 2015-present)
* Jordan Fisk (July 2014-Aug 2015)
* Dominique Shephard (Sept 2013-April 2014)
* Ashley Lockyer (May 2012-Sept 2013)
* Heather MacGillivray (summer 2012)
* Stephanie Martin (2011-2012)
* Hannah Kinoshita (April–Dec 2010)
* Jacquelyn Cormier (2007-2009)

Graduate students – Thesis Committee Membership

* Rahia Mashoodh: M.Sc. Psychology (completed 2008)
* Tim O’Leary: M.Sc. Psychology (completed 2007); Ph.D (completed 2013)
* Elizabeth Fairhurst: M.Sc. Biology (completed 2011)
* Gabrielle Beaulieu: M.Sc. Biology (completed 2012)
* Alanna Demko: M.Sc. Biology (completed 2012)
* Austin Korgan: M.Sc. Neuroscience (completed 2013), PhD (in progress)
* Lauren Wiebe: M.Sc. Biology (Completed 2013)
* Emma McIntyre: M.Sc. Biology (completed 2014)
* Tara Imlay: Ph.D. Biology (in progress)
* Elizabeth Zwamborn: M.Sc. Biology (in progress)
* Amanda Green: Ph.D. Neuroscience (in progress)

Graduate students – Comprehensive Committee Chair

* Leanne Fraser: (completed 2011)
* Evan Fairn: (completed 2011)
* Jeff MacLeod: (completed 2015)

**Service and Membership**

University Service:

**2014-2015** Undergraduate Program Committee (Chair, Departmental)

**& to present** Faculty of Science Curriculum Committee (Faculty)

**2013-2014** Colloquium Committee (Chair, Departmental)

Undergraduate Program committee (Departmental)

**2012-2013** Colloquium Committee (Chair, Departmental)

**2011-2012** NSERC PGS-D Scholarship Ranking Committee (Faculty)

Colloquium Committee (co-Chair, Departmental)

Undergraduate Program Committee (Departmental)

**2010-2011** University Committee on Laboratory Animals (University)

NSERC PGS-D Scholarship Ranking Committee (Faculty)

Colloquium Committee (Co-chair, Departmental)

Animal Care/Surgery/Histology Committee (Departmental)

**2009-2010** University Committee on Laboratory Animals (University)

NSERC PGS-D Scholarship Ranking Committee (Faculty)

Colloquium Committee (co-Chair, Departmental)

Animal Care/Surgery/Histology Committee (Chair, Departmental)

**2008-2009** University Committee on Laboratory Animals (University)

NSERC PGS-D Scholarship Ranking Committee (Faculty)

Colloquium Committee (co-Chair, Departmental)

Graduate Program Committee (Departmental)

In-house Conference Committee (co-Chair, Departmental)

Animal Care/Surgery/Histology (Chair, Departmental)

**2007-2008** Animal Care/Surgery/Histology Committee (Departmental)

**2006-2007**Undergraduate Program Committee (Departmental)

Animal Care/Surgery/Histology Committee (Departmental)

Teaching Equipment and Study Centre Committee (Departmental)

Conference/Workshop/Seminar Series Organization:

**2013 co-Organizer of Killam Lecture Series 2013**

Faculty of Science, hosted by the department of Psychology and Neuroscience,

October 2011

*“Epigenetics: Mental health beyond nature and nurture”. Four internationally renowned researchers in the field of epigenetics (Drs Adrian Bird, David Sweatt, Jonathan Mill, Randy Jirtle) came over the period of one week to deliver lectures. I was responsible for arranging speaker schedules, budgeting of the lecture series, and helping coordinate all aspects of the series such as promotion, media coverage, catering, etc.*

**2011 co-Organizer of Curriculum Mapping Workshop**

Psychology Department

August 2011, Lord Nelson Hotel, Halifax NS

*Professors/instructors (40) attended a daylong workshop on writing course objectives where they heard a lecture on course mapping and worked individually and as a department to develop course and program objectives*

**2009-2010 co-Chair, Local Organizing Committee**

Canadian Society for Brain, Behaviour and Cognitive Science Annual Meeting

June 11-13 2010, Dalhousie and St. Mary’s University campuses

*Participants (347) from across Canada attended 124 talks, 162 posters at 2 sessions, an NSERC lunch/lecture session, and 115 attended a banquet.*

*I was responsible for overseeing all subcommittees of conference organization, supervising volunteers, organizing banquet and judging of talks, liaising with professional conference organizer, and for on-site management of conference*

**2006-2007 co-Chair, Local Organizing Committee**

XXXth International Ethology Conference

Held August 15-23, 2007; Dalhousie University Campus

Over *400 participants from 34 countries attended 12 plenary lectures, 17 symposia, 142 talks, 147 posters; we also organized six evening activities at several locations of interest (e.g. The Citadel, Museum of Natural History) and a closing banquet with live band and dinner, plus on the day off, we organized daily excursion activities with a local tour company (Ambassatours).*

*I was responsible for overseeing all aspects of the conference, including coordinating housing arrangements and room bookings with Dalhousie Conference Services, consulting on the design and management of the conference web site, plenary speaker arrangements, arranging all catering for the meetings at special events, program organization and publication.*

*I was on-site manager for the entire eight-day conference, supervising and organizing volunteers, answering questions, liaising with media, and troubleshooting, including for evening activities and the banquet.*

Professional Affiliations:

Canadian Society for Brain, Behaviour, and Cognitive Science

Society for Neuroscience

Canadian Association of Neuroscience

Ad Hoc Reviewer for:

Animal Behaviour

Acta Zoologia

Journal of the Acoustical Society of America

The Condor

PLoS ONE

Journal of Comparative Psychology

Behavioural Processes

Developmental Neurobiology

Behavioural Brain Research

Editorial Board Member

Frontiers Journal Series

Comparative Cognition & Behavior Reviews