

DAVID F. SHERRY  
November 2020

Distinguished University Professor Emeritus  
Department of Psychology  
Department of Biology  
Advanced Facility for Avian Research AFAR  
Brain and Mind Institute Core Member

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Website: davidsherry.ca

### **Academic History**

BSc Psychology	McMaster University	1972
MA Psychology	University of Toronto	1974
PhD Psychology	University of Toronto	1978
NSERC-NATO Postdoctoral Fellow	University of Oxford	1978-1980
NSERC University Research Fellow	University of Toronto	1980-1985
Assistant Professor	University of Toronto	1985-1988
Associate Professor	University of Toronto	1988-1990
Visiting Professor	Western University	1990-1993
Professor	Western University	1993-present
Adjunct Professor, Biology	Western University	1994-2012
Cross-Appointed Professor, Biology	Western University	2012-present
Distinguished University Professor	Western University	2019-present
Professor Emeritus	Western University	2019-present

### **Research Areas**

Animal cognition, behavioural neuroscience, evolution of behaviour, behavioural ecology

### **Awards and Distinctions**

Elective Member, American Ornithological Society

*“Elective Members are nominated based on their significant contributions to ornithology”*

Distinguished University Professor, Western University

*“To honor and celebrate outstanding scholarly careers”*

University Students Council Teaching Honour Roll 1995-96, 1997-98, 2008-09,  
2012-13, 2013-14, 2015-16

*“The Teaching Honour Roll, presented by the University Students’ Council, is awarded annually to Western’s best instructors. The Honour Roll is used to recognize the exceptional efforts and contributions of Western instructors.”*

Faculty of Social Science Dean's Excellence Award for Teaching 2016

*"Established in 2016, the Dean's Award for Excellence in Teaching recognizes full-time faculty members who have demonstrated excellence in teaching"*

Doris Huestis Spiers Award, Society of Canadian Ornithologists / Société des Ornithologistes du Canada 2020

*"The Doris Huestis Speirs Award is the most prestigious award given by the SCO-SOC. The award is presented annually to an individual who has made outstanding lifetime contributions in Canadian ornithology"*

Comparative Cognition Society Research Award 2021

*"The CCS Research Award honors scientists who have made major contributions to our understanding of animal cognition during their career"*

**Research Funding**

Total Funding as PI           \$1,638,892  
Total Funding as Co-PI       \$13,391,012

NSERC <sup>1</sup> Operating Grant	1980-83	\$33,705
Connaught Fund Grant Sherry	1981-83	\$8,836
NATO Collaborative Research Grant Shettleworth, Krebs & Sherry	1982-84	\$4,300
NSERC International Scientific Exchange Award Sherry, Falls & Shettleworth	1983-84	\$7,200
NSERC Operating Grant	1983-85	\$28,938
NATO Collaborative Research Grant Sherry, Krebs & Shettleworth	1984-86	\$5,500
NSERC Operating Grant	1985-88	\$48,089
Neurosciences Institute Individual Program Sherry, Krebs & Shettleworth	1988	\$10,000
NSERC Operating Grant	1988-91	\$63,000
NSERC Equipment Grant Sherry	1991-92	\$16,734
NSERC Operating Grant	1991-94	\$135,000
NSERC Equipment Grant Sherry, Cain & Ossenkopp	1994-95	\$39,536
NSERC Equipment Grant Cain, Sherry	1997-98	\$8,463
NSERC Operating Grant	1994-98	\$188,000
NSERC Operating Grant	1998-02	\$212,520
NSERC Major Facilities Access Grant Hampson, Kimura, Sherry, Kavaliers & Ossenkopp	1999-03	\$120,000
NSERC Discovery Grant	2002-07	\$275,000
NSERC Equipment Grant	2003-04	\$27,140

<sup>1</sup> Natural Sciences and Engineering Research Council of Canada  
D.F. Sherry sole PI for all NSERC Operating and Discovery Grants

MacDougall-Shackleton, Cain, Ossenkopp, Kavaliers & Sherry		
Academic Development Fund Grant	2003-04	\$75,000
Sherry, Hampson, MacDougall-Shackleton		
NSERC Major Facilities Access Grant	2003-07	\$180,000
Hampson, Kimura, Kavaliers, MacDougall-Shackleton, Ossenkopp & Sherry		
NSERC Research Tools and Instruments Grant	2005-06	\$26,297
E. MacDougall-Shackleton, S. MacDougall-Shackleton & Sherry		
Canada Foundation for Innovation New Initiatives	2006-08	\$9,226,000
MacDougall-Shackleton, Guglielmo, Sherry & others		
NSERC Discovery Grant	2007-08	\$45,000
NSERC Discovery Grant	2008-13	\$169,680
CBIE/CAPEs Canada-Brazil Award	2011-13	\$90,000
Sherry, Diniz		
NSERC Research Tools and Instruments Grant	2012-13	\$89,365
Zanette, Clinchy, MacDougall-Shackleton, Sherry & others		
Academic Development Fund Grant	2012-13	\$22,807
Sherry		
Canada Foundation for Innovation Leading Edge	2013-17	\$3,430,000
Guglielmo, MacDougall-Shackleton, Sherry & others		
NSERC Discovery Grant	2013-18	\$165,000
NSERC Research Tools and Instruments Grant	2014-15	\$85,836
Lomber, Sherry, MacDougall-Shackleton & others		
Western Faculty of Social Science Research Fund	2016	\$4,150
Sherry		
SERB Accelerator Research Grant	2017-18	\$50,000
Sherry		
NSERC Research Tools and Instruments Grant: Operations and Maintenance Support	2017-18	\$140,562
S. MacDougall-Shackleton Guglielmo, Hobson, E. MacDougall-Shackleton, Sherry, Williams, Zanette		
Western Faculty Research Development Fund	2018-19	\$9,107
Sherry		
NSERC Research Tools and Instruments Grant	2019-20	\$28,592
S. MacDougall-Shackleton, E. MacDougall-Shackleton, Sherry		
NSERC Discovery Grant	2019-24	\$235,000

### **Professional Service**

Editorial Board	<i>Animal Behaviour</i>	3.169 <sup>2</sup>	1991-1994
Associate Editor	<i>Learning &amp; Behavior</i>	1.481	1996-1997
Editor	<i>Behaviour</i>	1.401	1996-2004
Editor	<i>Animal Behaviour</i>	3.169	1997-2000
Editorial Board	<i>Biology Letters</i>	3.089	2014-2019

<sup>2</sup> ISI Journal Impact Factor

Consultant to Ontario Science Centre & American Psychological Association Centenary Exhibition	1988
NSERC Psychology Grant Selection Committee	1991-94
OGS Scholarship Panel for Psychology	1995-96

Rockefeller University Extramural Committee	1996
Chair OGS Scholarship Panel for Psychology	2002-03
University of Alberta Graduate Program and Research Review	2004
Program Committee Chair, CSBBCS	2008
Co-Organizer, Integrative Biology of Scatter Hoarding Conference	2008
National Science Foundation USA	
Organismal Biology Behavioral Systems Panel	2008, 2010
External Reviewer, Interdisciplinary Graduate Programs, Memorial University	2009
Organizer 31 <sup>st</sup> Winter Animal Behavior Conference	2009
Scientific Advisor, Musée de la Nature et des Sciences de Sherbrooke, Sherbrooke PQ	2012-2014
NSERC Biological Systems and Functions Evaluation Group	2015-2018
CIFAR Program in Brain, Mind & Consciousness, Advisory Board	2017-present

### **Administration**

#### **University**

Chair Selection Committee, Department of Anthropology  
 Chair Selection Committee, Department of Psychology  
 Chair, Undergraduate Neuroscience Steering and Advisory Committee  
 Co-Director, Interdisciplinary Development Initiative in Neuroscience  
 Co-Director, Western Neuroscience Summer School  
 Director, Graduate Program in Neuroscience  
 Faculty of Graduate Studies Biological & Life Sciences Group  
 Faculty of Music Council  
 Faculty of Science Council  
 Program Committee, Graduate Program in Neuroscience  
 Promotion and Tenure Committee, Department of Biology  
 Steering and Advisory Committee, Interdisciplinary Development Initiative in Music,  
 Cognition and the Brain  
 University Animal Care Committee  
 University Animal Users Committee  
 University Council on Animal Care  
 University Senate

#### **Departmental**

Animal Care Committee  
 Animal Cognition Search Committee  
 Annual Performance Review Committee  
 Appointments Committee  
 Associate Chair, Research  
 Behavioural and Cognitive Neuroscience Search Committee  
 Chair, Animal Care Committee  
 Chair, Animal Cognition Research Area  
 Chair, Behavioural and Cognitive Neuroscience Research Area  
 Chair, Graduate Affairs Committee  
 Chair, Workload and Resource Planning Committee

Cognition Search Committee  
 Colloquium Convener  
 Graduate Selection Committee  
 Nominations Committee  
 Personnel Promotion and Tenure Committee  
 Resource and Personnel Planning Committee  
 Workload and Resource Planning Committee

### **Membership in Scientific Associations**

American Ornithologists' Union  
 Animal Behaviour Society  
 Canadian Association for Neuroscience  
 Canadian Society for Brain Behaviour and Cognitive Science  
 Comparative Cognition Society  
 International Society for Behavioural Ecology  
 Royal Canadian Institute  
 Sigma Xi  
 Society for Neuroscience

### **Scholarly and Professional Work**

#### **Publications**

Google Scholar h-index 39, Total Citations 8857  
 Publons h-index 35, Total Citations 5078

1. Galef, B.G., Jr. & Sherry, D.F. (1973). Mother's milk: A medium for transmission of cues reflecting the flavor of mother's diet. *Journal of Comparative and Physiological Psychology*, *83*, 374-378.
2. Sherry, D.F. (1977). Parental foodcalling and the role of the young in Burmese red junglefowl (*Gallus gallus spadiceus*). *Animal Behaviour*, *25*, 594-601.
3. Sherry, D.F., Mrosovsky, N., & Hogan, J.A. (1980). Weight loss and anorexia during incubation in birds. *Journal of Comparative and Physiological Psychology*, *94*, 89-98.
4. Mrosovsky, N. & Sherry, D.F. (1980). Animal anorexias. *Science*, *207*, 837- 842.
5. Sherry, D.F. (1981). Parental care and the development of thermoregulation in red junglefowl. *Behaviour*, *76*, 250-279.
6. Cowie, R.J., Krebs, J.R., & Sherry, D.F. (1981). Food storing by marsh tits. *Animal Behaviour*, *29*, 1252-1259.
7. Sherry, D.F., Krebs, J.R., & Cowie, R.J. (1981). Memory for the location of stored food in marsh tits. *Animal Behaviour*, *29*, 1260-1266.
8. Sherry, D.F. (1981). Adaptive changes in body weight. In L.A. Cioffi, W.P.T. James & T.B. Van Itallie (Eds), *The Body Weight Regulatory System* (pp. 161-168). Raven Press: New York

9. Sherry, D.F. (1982). Food storage, memory, and marsh tits. *Animal Behaviour*, 30, 631-633.
10. Sherry, D.F., Avery, MA, & Stevens, T.A. (1982). The spacing of stored food by marsh tits. *Zeitschrift fur Tierpsychologie*, 58, 153-162.
11. Sherry, D.F. (1984). Food storage by black-capped chickadees: Memory for the location and contents of caches. *Animal Behaviour*, 32, 451-464.
12. Sherry, D.F. (1984). What food-storing birds remember. *Canadian Journal of Psychology*, 38, 304-321.
13. Sherry, D.F., & Galef B.G., Jr. (1984). Cultural transmission without imitation. *Animal Behaviour*, 32, 937-938.
14. Sherry, D.F. (1985). Food storage by birds and mammals. In J.S. Rosenblatt, C. Beer, M.-C. Busnel & P.J.B Slater (Eds.) *Advances in the Study of Behavior*, 15, 153-188.
15. Sherry, D.F. (1987). Foraging for stored food. In M.L. Commons, S.J. Shettleworth & A. Kacelnik (Eds.), *Quantitative Analysis of Behaviour. Vol.6 Foraging* (pp. 209-227). Erlbaum: Hillsdale, NJ.
16. Sherry, D.F. (1987). Spatial memory in food-storing birds. In P. Ellen & C. Thinus-Blanc (Eds.), *Cognitive Processes and Spatial Orientation in Animals and Man* (pp. 305-321). Nijhoff: Dordrecht.
17. Balda, R.P., Bunch, K.G., Kamil, A.C., Sherry, D.F., & Tomback, D.F. (1987). Cache site memory in birds. In A.C. Kamil, J.R. Krebs & H.R. Pulliam (Eds.), *Foraging Behavior* (pp.645-666). Plenum: New York.
18. Sherry, D.F., & Schacter, D.L. (1987). The evolution of multiple memory systems. *Psychological Review*, 94, 439-454.
19. Sherry, D.F. (1987). Natural selection and intelligence. *The Behavioral and Brain Sciences*, 10, 678-679.
20. Sherry, D.F. (1988). Learning and adaptation in food-storing birds. In R.C. Bolles & M.D. Beecher (Eds.), *Evolution and Learning* (pp. 79-95). Erlbaum: Hillsdale, NJ.
21. Sherry, D.F. (1988). Dynamic programming: From eternity to here. *The Behavioral and Brain Sciences*, 11, 147-148.
22. Sherry, D.F., & Vaccarino, A.L. (1989). Hippocampus and memory for food caches in black-capped chickadees. *Behavioral Neuroscience*, 103, 308-318.
23. Sherry, D.F., & Balda, R.P., (1989). Spatial memory in birds (Symposium). In H. Ouellet (Ed.) *Acta XIX Congressus Internationalis Ornithologici* (pp. 2066-2068). Ottawa: National

Museum.

24. Sherry, D.F., Vaccarino, A.L., Buckenham, K., and Herz, R.S. (1989). The hippocampal complex of food-storing birds. *Brain Behavior and Evolution* 34, 308-317.
25. Krebs, J.R., Sherry, D.F., Healy, S.D., Perry, H.V. & Vaccarino, A.L. (1989). Hippocampal specialization in food-storing birds. *Proceedings of the National Academy of Sciences*, 86, 1388-1392.
26. Sherry, D.F. (1989). Food storing in the Paridae. *Wilson Bulletin*, 101, 289-304.
27. Hitchcock, C.L., & Sherry, D.F. (1990). Long-term memory for cache sites in the black-capped chickadee. *Animal Behaviour*, 40, 701-712.
28. Sherry, D.F. & Galef, B.G., Jr. (1990). Social learning without imitation: More about milk bottle opening by birds. *Animal Behaviour*, 40, 987-989.
29. Jacobs, L.F., Gaulin, S.J.C., Sherry, D.F. & Hoffman, G.E. (1990). Evolution of spatial cognition: Sex-specific patterns of spatial behavior predict hippocampal size. *Proceedings of the National Academy of Sciences*, 87, 6349-6352.
30. Sherry, D.F. (1990). Evolutionary modification of memory and the hippocampus. In L. Squire & E. Lindenlaub (Eds.) *The Biology of Memory, 23rd Symposia Medica Hoechst* (pp.401-421), Stuttgart: Schattauer.
31. Hitchcock, C.L. & Sherry, D.F. (1991). Dynamic models, fitness functions, and food storing. *The Behavioral and Brain Sciences*, 14, 99.
32. Sherry, D.F. (1992). Landmarks, the hippocampus and spatial search in food-storing birds. In W.K. Honig & J. G. Fetterman (Eds.), *Cognitive aspects of stimulus control*. (pp. 185-201), Hillsdale, NJ: Erlbaum.
33. Sherry, D.F. (1992). Memory, the hippocampus, and natural selection: Studies of food-storing birds. In L.R. Squire & N. Butters (Eds.), *Neuropsychology of Memory*, 2nd Edition. (pp. 521-532), New York: Guilford Press.
34. Hampton, R.R. & Sherry, D.F. (1992). Food storing by Mexican chickadees and bridled titmice *The Auk*, 109, 665-666.
35. Sherry, D.F., Jacobs, L.F. & Gaulin, S.J.C. (1992). Spatial memory and adaptive specialization of the hippocampus. *Trends in Neurosciences*, 15, 298-303.
36. Cheng, K., & Sherry, D.F. (1992) Landmark-based spatial memory in birds (*Parus atricapillus* and *Columba livia*): The use of edges and distances to represent spatial position. *Journal of Comparative Psychology*, 106, 331-341.
37. Sherry, D.F., Jacobs, L.F. & Gaulin, S.J.C. (1993). The hippocampus and spatial memory. Reply. *Trends in Neurosciences*, 16, 56-57.

38. Sherry, D.F., Forbes, M.R.L., Khurgel, M. & Ivy, G.O. (1993). Females have a larger hippocampus than males in the brood-parasitic brown-headed cowbird. *Proceedings of the National Academy of Sciences*, 90, 7839-7843.
39. Hampton, R.R. & Sherry, D.F. (1994). The effects of cache loss on choice of cache sites in black-capped chickadees. *Behavioral Ecology*, 5, 44-50.
40. Sherry, D.F. (1994). Cognitive development in animals. In: J.A. Hogan & J.J. Bolhuis (Eds.), *Causal Mechanisms of Behavioural Development* (pp. 289-299). Cambridge University Press: Cambridge UK.
41. Herz, R.S., Zanette, L. & Sherry, D.F. (1994). Spatial cues for cache retrieval by black-capped chickadees. *Animal Behaviour*, 47, 343-351.
42. Hampton, R.R., Sherry, D.F., Shettleworth, S.J., Khurgel, M. & Ivy, G. (1995). Hippocampal volume and food-storing behaviour are related in Parids. *Brain Behaviour & Evolution*, 45, 54-61.
43. Hitchcock, C.L. & Sherry, D.F. (1995). Cache pilfering and its prevention in pairs of black-capped chickadees. *Journal of Avian Biology*, 26, 187-192.
44. Sherry, D.F. (1996). Introduction to middle-scale navigation: The vertebrate case. *Journal of Experimental Biology*, 199, 163-164.
45. Sherry, D.F. & Duff, S.J. (1996). Behavioural and neural mechanisms of orientation in food-storing birds. *Journal of Experimental Biology*, 199, 165-172.
46. Petersen, K. & Sherry, D.F. (1996). No sex difference occurs in hippocampus, food-storing, or memory for food caches in black-capped chickadees. *Behavioural Brain Research*, 79, 15-22.
47. Sherry, D.F., Galef, B.G. Jr., Clark, M.M. (1996). Sex and intrauterine position influence the size of the gerbil hippocampus. *Physiology & Behavior*, 60, 1491-1494.
48. Sherry, D.F. (1997). Cross-species comparisons. In: *Characterizing human psychological adaptations* (pp.181-194). Ciba Foundation Symposium No. 208. Chichester: John Wiley & Sons.
49. Sherry, D.F. & Hampson, E. (1997). Evolution and the hormonal control of sexually-dimorphic spatial abilities in humans. *Trends in Cognitive Sciences*, 1, 50-56.
50. Sherry, D.F. (1997). Memories are made of this. *Natural History*, 106, 56-58.
51. Sherry, D.F. & Healy, S.D. (1998). Neural mechanisms of spatial representation. In: S.D. Healy (ed.) *Spatial representation in animals* (pp.133-157). Oxford University Press.
52. Sherry, D.F. (1998). The ecology and neurobiology of spatial memory. In: Dukas, R. (ed.)



*Cognitive ecology: The evolutionary ecology of information processing and decision making* (pp.261-296). Chicago: Chicago University Press.

53. Duff, S.J., Brownlie, L.A., Sherry, D.F. & Sangster, M. (1998). Sun compass and landmark orientation by black-capped chickadees. *Journal of Experimental Psychology: Animal Behavior Processes*, 24, 243-253.
54. Sherry, D.F. (1999). Adaptive specialisations of memory in birds. In: Adams, N.J. & Slotow, R.H. (eds.) *Proceedings of the 22nd International Ornithological Congress Durban SA* (pp. 2394-2416). Johannesburg SA: BirdLife South Africa.
55. Marler, P. & Sherry, D.F. (1999). The nature and nurture of developmental plasticity. In: Adams, N.J. & Slotow, R.H. (eds.) *Proceedings of the 22nd International Ornithological Congress Durban SA* (pp. 2353-2355). Johannesburg SA: BirdLife South Africa.
56. Sherry, D.F. (2000). What sex differences in spatial ability tell us about the evolution of cognition. In: Gazzaniga, M.S. (ed.) *The New Cognitive Neurosciences 2<sup>nd</sup>* (pp. 1209-1217). Cambridge MA: MIT Press.
57. Boisvert, M.J. & Sherry, D.F. (2000). A system for the automated recording of feeding behaviour and body weight. *Physiology & Behaviour*, 71, 147-151.
58. Sherry, D.F. (2001). Memory, evolution, and the brain of food-storing birds. In: Chen, L. & Zhuo, Y. (eds.) *Proceedings of the Third International Conference on Cognitive Science* (pp. 35-39). Beijing: Press of University of Science and Technology of China.
59. MacDougall-Shackleton, S.A., Sherry, D.F., Clark, A.P., Pinkus, R. & Hernandez, A.M. (2003). Photoperiodic regulation of food-storing and hippocampus volume in black-capped chickadees, *Poecile atricapilla*. *Animal Behaviour*, 65, 805-812.
60. Hoshooley, J.S. and Sherry, D.F. (2004). Neuron production, neuron number, and structure size are seasonally stable in the hippocampus of the food-storing black-capped chickadee (*Poecile atricapillus*). *Behavioral Neuroscience*, 118, 345-355.
61. Sherry, D.F. (2005). Brain and behaviour. In: Bolhuis, J.J. & Giraldeau, L.-A. (eds.) *The Behavior of Animals: Mechanism, Function, and Evolution* (pp. 97-118) Oxford: Blackwell Publishers.
62. Sherry, D.F. (2005) Do ideas about function help in the study of causation? *Animal Biology*, 55, 441-456.
63. Sherry, D.F. (2006) Neuroecology. In: Fiske, S.T., Schacter, D.L., & Zahn-Waxler (eds.). *Annual Review of Psychology Vol 57* (pp.167-197) Chippewa Falls WI: Annual Reviews.
64. Phillmore, L.S., Hoshooley, J.S., Sherry, D.F. & MacDougall-Shackleton, S.A. (2006). Annual cycle of the black-capped chickadee: seasonality of singing rates and vocal control brain regions. *Journal of Neurobiology*, 66, 1001-1010.

65. Boisvert, M.J. & Sherry, D.F. (2006). Interval timing by an invertebrate, the bumble bee *Bombus impatiens*. *Current Biology*, 16, 1636-1640.
66. Sherry, D.F. & Mitchell, J.B. (2007). The neuroethology of foraging. In: Stephens, D.W., Brown, J.S. & Ydenberg, R.C. (eds.) *Foraging* (pp. 61-102) University of Chicago Press.
67. Sherry, D.F. & Hoshoooley, J.S. (2007). The neurobiology of spatial ability. In: Otter, K. (ed.) *Ecology and Behavior of Chickadees and Tits: An Integrated Approach* (pp.9-23) Oxford University Press.
68. Sherry, D.F., Pravosudov, V.V., MacDougall-Shackleton, S.A., Hoshoooley, J.S., Phillmore, L.S. (2007). Proximate mechanisms in behavior and evolution. In: Otter, K. (ed.) *Ecology and Behavior of Chickadees and Tits: An Integrated Approach* (pp. 71-73) Oxford University Press.
69. Hoshoooley, J.S. & Sherry, D.F. (2007) Greater hippocampal neuronal recruitment in food-storing than in non-food-storing birds. *Developmental Neurobiology*, 67, 406-414.
70. Hoshoooley, J.S., Phillmore, L.S., Sherry, D.F. & MacDougall-Shackleton, S.A. (2007). Annual cycle of the black-capped chickadee: seasonality of food-storing and the hippocampus. *Brain Behaviour and Evolution*, 69, 161-168.
71. Boisvert, M.J., Veal, A.J. & Sherry, D.F. (2007) Floral reward production is timed by an insect pollinator. *Proceedings of the Royal Society B, Biological Sciences*, 274, 1831-1837.
72. Sherry, D.F. (2009) Do ideas about function help in the study of causation? In: Bolhuis, J.J. and Verhulst, S. (eds.) *Tinbergen's Legacy* (pp. 147-162) Cambridge University Press.
73. Sherry, D.F. & Hoshoooley, J.S. (2009) The seasonal hippocampus of food-storing birds. *Behavioural Processes*, 80, 334-338.
74. Sherry, D. F. (2009). Cognitive development in animals. In: J.A. Hogan & J.J. Bolhuis (Eds.) *Causal Mechanisms of Behavioural Development*. Paperback Edition. (pp. 289-299) Cambridge University Press: Cambridge UK.
75. Feeney, M. C., Roberts, W.A. & Sherry, D.F. (2009). Memory for what, where and when in the black-capped chickadee (*Poecile atricapillus*). *Animal Cognition*, 12, 767-777.
76. Sherry, D.F. & Hoshoooley, J.S. (2010). Seasonal hippocampal plasticity in food-storing birds. *Philosophical Transactions of the Royal Society. B Biological Sciences*, 365, 933-943.
77. Feeney, M.C., Roberts, W.A. & Sherry, D.F. (2011). Black-capped chickadees (*Poecile atricapillus*) anticipate future outcomes of foraging choices. *Journal of Experimental Psychology: Animal Behavior Processes*, 37, 30-40.
78. Feeney, M.C., Roberts, W.A. & Sherry, D.F. (2011). Mechanisms of what-where-when memory in black-capped chickadees (*Poecile atricapillus*): Do chickadees remember

- “when”? *Journal of Comparative Psychology*, 125, 308-316.
79. Sherry, D.F. (2011) Citation classic: The hippocampus of food-storing birds. *Brain Behavior and Evolution*, 78, 133-135.
  80. Barrett, M.B. & Sherry, D.F. (2012). Consolidation and reconsolidation of memory in the Black-capped chickadee (*Poecile atricapillus*). *Behavioral Neuroscience*, 126, 809-819.
  81. Hall, Z.J., Bauchinger, U., Gerson, A.R., Price, E.R., Langlois, L.A., Boyles, M. Pierce, B. McWilliams, S.R., Sherry, D.F. & MacDougall-Shackleton, S.A. (2014). Site-specific regulation of adult neurogenesis by dietary fatty acid content, vitamin E, and flight exercise in European starlings. *European Journal of Neuroscience*, 39, 875-882. doi:10.1111/ejn.12456.
  82. Strang, C.G. & Sherry, D.F. (2014). Serial reversal learning in bumblebees (*Bombus impatiens*). *Animal Cognition*, 17, 723-734. doi:10.1007/s100071-013-0704-1.
  83. Sherry, D.F. (2014). How animal remember places and find their way around. Yasukawa, K. (Ed.) *Animal Behavior Volume 3* (pp 269-287). Praeger: Santa Barbara CA.
  84. Guigueno, M.F., Snow, D., MacDougall-Shackleton, S., Sherry, D.F. (2014). Female cowbirds have more accurate spatial memory than males. *Biology Letters*, 10, 20140026, doi: 10.1098/rsbl.2014.0026
  85. Hall, Z.J., Delaney, S. & Sherry, D.F. (2014) Inhibition of cell proliferation in Black-capped chickadees suggests a role for neurogenesis in spatial learning. *Developmental Neurobiology*, 74,1002-1010.
  86. Sherry, D.F. (2014). Decisions, memory, and the neuroecology of food-storing birds. In: Preston, S.D., Kringelbach, M.L. & Knutson, B. (Eds.) *The Interdisciplinary Science of Consumption* (pp. 111-125) MIT Press: Cambridge MA.
  87. Sherry, D.F. & Strang, C.G. (2015). Contrasting styles in cognition and behavior in bumblebees and honeybees. *Behavioural Processes*, 117, 59-69, doi: 10.1016/j.behproc.2014.09.005
  88. Sherry, D.F. & MacDougall-Shackleton, S.A. (2015). Seasonal change in the avian hippocampus. *Frontiers in Neuroendocrinology*, 37, 158-167.
  89. Guigueno, M.F., MacDougall-Shackleton, S.M. & Sherry, D.F. (2015). Sex differences in spatial memory in brown-headed cowbirds: males outperform females on a touchscreen task. *PLOS ONE*, 10, e0128302.
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102. Brodbeck, M., Lomber, S., Sherry, D.F. & MacDougall-Shackleton, S. (2017). The role of the hippocampus in encoding, retention, and retrieval of spatial memory in brown-headed cowbirds. *54th Annual Conference of the Animal Behavior Society, Toronto ON* June 2017.
103. Cho, G., Sherry, D.F. & Roberts, W.A. (2017). Is social rank correlated with cognitive ability in black-capped chickadees? *54th Annual Conference of the Animal Behavior Society, Toronto ON* June 2017.
104. Shoot, T., Martin, R. & Sherry, D.F. (2017). Nest structure variation: individual differences or external factors? *54th Annual Conference of the Animal Behavior Society, Toronto ON* June 2017.
105. Strang, C. & Sherry, D.F. (2017). Problem solving by bumblebees on a flower handling task. *54th Annual Conference of the Animal Behavior Society, Toronto ON* June 2017.
106. Course, C. & Sherry, D.F. (2017). Radiotracking the general movement and flock structure of black-capped chickadees. *54th Annual Conference of the Animal Behavior Society, Toronto ON* June 2017.
107. Martin, R.J. & Sherry, D.F. (2017). Winter temperature experience affects cognitive responses in black-capped chickadees (*Poecile atricapillus*). *Canadian Society for Ecology and Evolution* May 2017 Victoria BC.
108. Phelps, J.D., Strang, C.G. & Sherry, D.F. (2017). Using a novel motor task to assess sub-lethal effects of imidacloprid exposure on complex motor learning in bumblebees (*Bombus impatiens*). *BOMBUSS Conference August 2017* Logan UT.
109. Strang, C. & Sherry, D. (2018). Flower handling and Darwin's interference hypothesis of flower constancy. *25th International Conference on Comparative Cognition, April 2018* Melbourne Beach FL.
110. Brown, E.K., Sherry, D.F. & Hampton, R.R. (2018). One-trial and habit memory in black-capped chickadees (*Poecile atricapillus*). *25th International Conference on Comparative Cognition, April 2018* Melbourne Beach FL.
111. Martin, R.J. & Sherry, D.F. (2018). Seasonal overwinter temperature has no effect on problem solving or neophobic behaviour in Black-capped chickadees (*Poecile atricapillus*). *25th International Conference on Comparative Cognition, April 2018* Melbourne Beach FL.
112. Shoot, T.T., Edwards, S.C., Martin, R.J., Healy, S.D., Sherry, D.F. & Daley, M.J. (2018).

Analyzing zebra finch incubation using a computer model. *25<sup>th</sup> International Conference on Comparative Cognition, April 2018* Melbourne Beach FL.

113. Brodbeck, M.I.R., Lomber, S.G., MacDougall-Shackleton, S.A. & Sherry, D. F. (2018). Using reversible brain deactivation to understand the function of the avian hippocampus. *48<sup>th</sup> Ontario Ecology, Ethology, and Evolution Colloquium, May 2018* Western University, London ON.
114. Course, C. & Sherry, D.F. (2018). Investigating the social dynamics of winter flocks of Black-capped chickadees by use of an automated radiotelemetry array. *48<sup>th</sup> Ontario Ecology, Ethology, and Evolution Colloquium, May 2018* Western University London ON.
115. Shoot, T.T., Edwards, S.C., Martin, R.J., Healy, S.D., Sherry, D.F. & Daley, M.J. (2018). Can birds flexibly adjust incubation behaviour in varying environmental conditions? *38<sup>th</sup> Annual Meeting of the Southern Ontario Neuroscience Association May 2018* Guelph University, Guelph ON.
116. Shoot, T.T., Edwards, S.C., Martin, R.J., Healy, S.D., Sherry, D.F. & Daley, M.J. (2018). Zebra finch incubation behaviour depends on ambient temperature and experience: A Hidden Markov Model approach. *27<sup>th</sup> International Ornithological Congress August 2018* Vancouver BC.
117. Martin, R.J., Shoot, T.T., Edwards, S.C., Healy, S.D. & Sherry, D.F. (2018). Offspring growth and incubation temperature. *27<sup>th</sup> International Ornithological Congress August 2018* Vancouver BC.
118. Boivin, M., Strang, C.G. & Sherry, D.F. (2018). The role of visual context in spatial search by Black-capped chickadees. *27<sup>th</sup> International Ornithological Congress August 2018* Vancouver BC.
119. Shoot, T.T., Edwards, S.C., Martin, R.J., Healy, S.D., Sherry, D.F. & Daley, M.J. (2018). Implication of temperature for incubation behaviour: A hidden Markov model. *Canadian Society for Ecology and Evolution July 2018*, University of Guelph, Guelph ON.
120. Shoot, T.T., Edwards, S.C., Martin, R. J., Healy, S.D., Sherry, D.F., & Daley, M.J. (2019). Understanding avian incubation with a computer algorithm. *26<sup>th</sup> International Conference on Comparative Cognition April 2019*, Melbourne, Florida.
121. Brown, E.K., Strang, C.G., Sherry, D.F. & Hampton, R.R. (2019). Process dissociation of memory systems in a caching and a non-caching bird species. *26<sup>th</sup> International Conference on Comparative Cognition April 2019*, Melbourne, Florida.
122. Strang, C.G., Brown, E.K., Sherry, D.F. & Hampton, R.R. (2019). One-trial and habit memory in Black-capped Chickadees (*Poecile atricapillus*) and Dark-eyed Juncos (*Junco hyemalis*). *26<sup>th</sup> International Conference on Comparative Cognition April 2019*, Melbourne, Florida.
123. Martin, R.J., Kruger, M.C., MacDougall-Shackleton, S.A., Sherry, D.F. (2020) Temperature as a supplementary cue in the reproductive timing of the Black-capped chickadee (*Poecile atricapillus*). *Society for Integrative and Comparative Biology January 2020*, Austin, Texas.

124. Strang, C.G., Brown, E.K., Sherry, D.F. & Hampton, R.R. (2019). Memory systems in food-caching caching and non-caching birds. *Society for Integrative and Comparative Biology January 2020*, Austin, Texas.

#### **Invited Keynote Addresses, Lectures and Colloquia**

- 1979 King's College Research Centre, Cambridge  
 1980 3rd International Congress on Obesity, Capri Italy  
 1980 Edward Grey Institute Conference on Bird Biology, Oxford University  
 1981 Department of Psychology, McMaster University  
 1982 Department of Zoology, University of Western Ontario  
 1982 Department of Zoology, University of Toronto  
 1983 6th Harvard Symposium on Quantitative Analyses of Behavior, Harvard  
 1984 Department of Anatomy, University of Toronto  
 1984 Foraging Conference, Brown University  
 1984 Workshop on Spatial Memory, Canadian Psychological Association, Ottawa  
 1985 Department of Biology, SUNY at Albany, New York  
 1985 Department of Biology, University of Guelph  
 1985 Department of Psychology, University of Western Ontario  
 1985 Department of Biology, Princeton University  
 1985 NATO Advanced Studies Institute, Aix-en-Provence  
 1986 Department of Psychology, Carleton University  
 1986 Zoologists Institut, University of Zurich  
 1986 Zoologisches Institut, University of Basel  
 1986 First International Behavioral Ecology Meeting, Albany, NY  
 1987 Department of Psychology, Queen's University  
 1987 Symposium on Spatial Learning in Animals, CPA/EPS Joint Meeting, Oxford  
 1987 Rockefeller University, New York  
 1988 Department of Biology, York University  
 1988 Guest Lecture, Department of Biology, York University  
 1988 Toronto Neuroscience Symposium, Mount Sinai Hospital Research Institute, Toronto  
 1988 Ontario Science Centre  
 1988 Wilson Ornithological Society Centennial Meeting, Academy of Natural Sciences of Philadelphia  
 1988 Neurosciences Institute, Rockefeller University  
 1988 Department of Psychology, Mt. Allison University  
 1989 Psychobiology Seminar, University of Western Ontario  
 1989 Forum on Racism, University of Waterloo and Wilfrid Laurier University  
 1989 Department of Neurobiology and Behavior, SUNY at Stony Brook  
 1989 Conference on Cognitive Aspects of Stimulus Control, Dalhousie University  
 1989 Division of Life Sciences, Scarborough College, University of Toronto  
 1989 The Biology of Memory, Symposia Medica Hoechst, Bernried, West Germany  
 1989 Department of Psychology, University of Pennsylvania  
 1990 Royal Canadian Institute, Toronto  
 1990 Rockefeller University, New York  
 1990 Department of Psychology, Simon Fraser University  
 1990 Symposium on Representation, 51st CPA Convention, Ottawa

- 1990 Institute for Neuroscience, University of Texas at Austin
- 1991 Department of Biology, Concordia University
- 1991 Department of Zoology, University of Western Ontario
- 1991 Department of Psychology, University of Western Ontario
- 1991 Human Behavior and Evolution Society Annual Meeting, McMaster University
- 1992 Department of Psychology, University of Winnipeg
- 1992 Department of Psychology, McMaster University
- 1992 Department of Zoology, McGill University
- 1993 Department of Psychology, University of British Columbia
- 1993 APA 101st Annual Convention, Toronto, Ontario
- 1993 XXIII International Ethological Congress, Torremolinos, Spain
- 1994 Department of Psychology, University of Waterloo
- 1994 Department of Psychology, University of Toronto
- 1994 McDonnell Summer Institute in Cognitive Neurosciences, Davis CA
- 1994 XXI International Ornithological Congress, Vienna
- 1995 Michigan State University, East Lansing MI
- 1995 Rockefeller University
- 1995 Conference on Navigation, Company of Biologists, Cambridge
- 1995 Department of Psychology, Concordia University
- 1996 Centre for the Integrative Study of Animal Behavior, University of Indiana
- 1996 McDonnell Summer Institute in Cognitive Neurosciences, Dartmouth NH.
- 1996 Symposium on a Synthetic Approach to Animal Cognition, Flagstaff AZ.
- 1996 Ciba Foundation Symposium on Characterizing Human Psychological Adaptations, London UK.
- 1996 The Wellcome Centre for Medical Science, London UK
- 1997 The Banff Annual Seminar in Cognitive Science, Banff AL.
- 1998 Summer Institute in Cognitive Neuroscience, Lake Tahoe CA.
- 1998 22<sup>nd</sup> International Ornithological Congress, Durban South Africa.
- 1999 Department of Biology, Eastern Michigan University
- 1999 Symposium on Cognitive Neuroethology, Mid-Western Animal Behaviour Society, Bowling Green University, Bowling Green OH
- 1999 Royal Botanical Gardens, Hamilton Ontario
- 2000 The Winter Animal Behavior Conference, Jackson Hole, WY
- 2000 Lake Ontario Vision Establishment, Niagara Falls, ON
- 2000 Behaviour, Cognition and Neuroscience Program, University of Windsor, Windsor ON
- 2000 Royal Botanical Gardens and Bird Studies Canada
- 2000 Science and Technology Endowment Program, Sir Wilfrid Laurier University
- 2001 Department of Zoology, University of Western Ontario
- 2001 3<sup>rd</sup> International Conference on Cognitive Science, Beijing
- 2002 Department of Psychology, University of Toronto
- 2002 Midwestern Psychological Association, Chicago
- 2002 London Neurosciences Group Symposium, London
- 2003 Winter Animal Behavior Conference, Jackson Hole WY
- 2003 Royal Dutch Zoological Society, Leiden, The Netherlands
- 2003 Department of Zoology, University of Utrecht, The Netherlands
- 2004 Winter Animal Behavior Conference, Breckenridge CO
- 2004 Symposium in Honour of B.G. Galef, McMaster University
- 2004 Brain, Cognition and Social Intelligence Symposium, Utrecht, The Netherlands



- 2004 Department of Psychology, McMaster University  
 2005 Winter Animal Behaviour Conference, Steamboat Springs CO  
 2005 Conference on Evolution and Behavior of the *Paridae*, Snowbird UT  
 2006 Department of Psychology, University of Guelph, Guelph ON  
 2007 Department of Psychology, University of Toronto, Toronto ON  
 2009 Winter Animal Behavior Conference, Steamboat CO  
 2009 Department of Biology, Knox College, Galesburg IL  
 2009 XXXI<sup>st</sup> International Ethology Congress, Rennes France  
 2010 Department of Psychology, University of Toronto, Toronto ON  
 2010 The Michigan Conference on Consumption, University of Michigan, Ann Arbor MI  
 2010 Department of Psychology, Johns Hopkins University, Baltimore MD  
 2011 Southern Ontario Neuroscience Association, Guelph ON  
 2011 Department of Psychology, University of Michigan, Ann Arbor MI  
 2011 Universidade Federal do Pará, Belém, Brazil  
 2012 Department of Psychology, Wilfrid Laurier University, Waterloo ON  
 2012 Department of Psychology, Emory University, Atlanta GA  
 2012 Southern Society for Psychology and Philosophy, Savannah GA  
 2012 Nature in the City, Nature London, London ON  
 2013 Department of Mechanical and Materials Engineering, Western University  
 2013 Ontario Ecology, Ethology & Evolution Colloquium, Western University  
 2013 Universidade Federal do Oeste do Pará, Oriximiná Brazil  
 2014 Department of Psychology, McMaster University, Hamilton ON  
 2014 Department of Psychology, University of Waterloo, Waterloo ON  
 2014 Mechanisms of Learning Forum, NIH T32 Program, Emory University Atlanta GA  
 2014 26<sup>th</sup> International Ornithological Congress Tokyo Japan  
 2015 Symposium for Sir John Krebs, Tour du Valat, France  
 2015 Behavior, Cognition and Neuroscience Program, University of Windsor, Windsor ON  
 2015 Institute of Advanced Studies, University of São Paulo, São Paulo, Brazil  
 2015 Harley Hotchkiss Memorial Lecture, Canadian Centre for Behavioural Neuroscience, University of Lethbridge, Lethbridge AL  
 2016 Department of Integrative Biology University of Guelph, Guelph ON  
 2016 Canadian Institute for Advanced Research, Azrieli BMC Program, Seattle, WA  
 2017 9<sup>th</sup> International Symposium of Integrative Zoology, Xining China

## Media

- Interview. (March 5, 1983), CBC Radio, Quirks and Quarks.  
 Interview. (April 25, 1984), CBC Radio, Morningside.  
 Interview. (April 19, 1984), Strauss, S. *Globe and Mail*, p.L11.  
 Profile. (1984). *How Animals Behave*, National Geographic Society. Washington, D.C. p.92.  
 Interview. (November 2, 1988), CTV, Lifetime.  
 Interview (Jan/Feb 1989), Kershaw, A. *Equinox*, 8, pp.83-90.  
 Interview (March 8, 1989), CFTO-TV, News.  
 Interview (December 19, 1989), CIUT-FM.  
 Interview (September, 1990) *Discover*, 11, p. 16.  
 Interview (January, 1991) *Current Science*, 76, p.4.  
 Interview (January 28, 1997) @discovery.ca The Discovery Channel  
 Interview (March 8, 2000) Weidner, J. *The Online Reporter*

- Interview (September 18, 2003) M. Tjaden *Bionieuws*, Utrecht, The Netherlands
- Report (August 23, 2006) CanWest Global Television
- Interview (August 24, 2006) CBC Radio 1
- Report (August 26, 2006) McLroy, A. *Globe & Mail* p. F10
- Report (September, 2006) Quirks & Quarks CBC Radio 1
- Report Skorupski, P. & Chittka, L. (2006). Animal cognition: an insect's sense of time? *Current Biology* 16, R851-R853. (October 10, 2006)
- Report (October 11, 2006) Ottawa Sun
- Report (January 28, 2011) Advanced Facility for Avian Research *Science* 331, 395-397.
- Interview (January 20, 2013) Research of PhD student M. Guigueno *Découverte*, Radio-Canada television broadcast.
- Report (February 27 2014) Research of PhD student M. Guigueno *Globe & Mail*  
<http://www.theglobeandmail.com/news/national/bird-study-finds-females-have-a-better-sense-of-direction/article17129872/>
- Interview (April 2014) Behavioural Ecology and Evolution Podcast <http://www.thebeepcast.com/>
- Interview (December 2, 2016) Rogers, N. *Inside Science*  
<https://www.insidescience.org/news/male-guppies-try-swim-through-walls-females-go-around>