
CURRICULUM VITAE – Allyson K. Menzies

D.O.B – September 9, 1988 (Manitoba, Canada)

Citizenship: Canadian

Declared Status: Métis

Institutional Address:

Department of Natural Resource Sciences
McGill University, MacDonald Campus
21,111 Lakeshore Road
Ste-Anne-de-Bellevue, Québec, Canada, H9X 3V9

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HIGHLIGHTS:

- PhD funded by Vanier Canada Graduate Scholarship and W. Garfield Weston Award for Northern Research (all awards and grants totaling > \$365,000)
 - Co-author on 17 published peer-reviewed publications
 - Winner of a *Special Recognition Prize for Direct Public Outreach* at McGill (2019)
 - Experience working on collaborative projects, as well as engaging non-academic stakeholders and Indigenous communities in ecological research
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EDUCATION:

2014-
Current **Ph.D. – Renewable Resources (as part of the CREATE Environmental Innovation Program)**
Department of Natural Resource Sciences, McGill University – Macdonald Campus, Ste-Anne-de-Bellevue, QC, Canada

Thesis: Biologging Bioenergetics of the Boreal Forest (Supervisor: Dr. M. Humphries)

2014 **Higher Education Teaching Certificate**
Professional, Applied and Continuing Education (PACE), University of Winnipeg, Winnipeg, MB, Canada

2014 **M.Sc. – Bioscience, Technology and Public Policy (G.P.A = 4.4/4.5)**
Department of Biology, University of Winnipeg, Winnipeg, MB, Canada

Medal for Graduate Student of Highest Distinction

Thesis: Intra-specific variation in hibernation energetics of big brown bats (*Eptesicus fuscus*) (Supervisors: Dr. C. Willis and Dr. J. Franck)

2011 **B.Sc. Honours – Biopsychology (G.P.A = 4.3/4.5)**
Department of Biology, University of Winnipeg, Winnipeg, MB, Canada

Gold Medal for Achievement in an Honours Course

Thesis: Does personality correlate with energetics in little brown bats (*Myotis lucifugus*)? (Supervisor: Dr. C. Willis)

PUBLICATIONS:

Peer-Reviewed Publications

Submitted and/or In Review:

(20) Doran-Myers, Darcy; Kenney, Alice; Krebs, Charles; Lamb, Clayton; **Menzies, Allyson**; Murray, Dennis; Studd, Emily; Whittington, Jesse; Boutin, Stan. Density estimates for Canada lynx vary among estimation methods. Submitted to **Ecosphere** (ECS20-0288 ; submitted Apr 2020).

(19) Brammer J.R., **Menzies A.K.**, Carter L., Chehab N., Giroux-Bougard X., Landry-Cuerrier M., Louise-Leblanc M., Perillat-Amedee S., Studd E., Wartier D., Humphries M.M. Weighing the importance of body mass in wild food systems. Resubmitted to **FACETS** (facets-2020-0023; resubmitted August 2020).

(18) Peers M.J.L., Majchrzak Y.N., **Menzies A.K.**, Studd E.K., Bastille-Rousseau G., Boonstra R., Humphries M.M., Jung T.S., Kenney A.J., Krebs C.J., Murray D.L., and S. Boutin. Climate change increases predation risk for a keystone species. Accepted to **Nature Climate Change** (NCLIM-20010016B; accepted June 2020).

Published:

(17) **Menzies AK**, Studd EK, Majchrzak YN, Peers MJL, Boutin S, Dantzer B, Lane J, McAdam AG, and MM Humphries. 2020. Body temperature, heart rate, and activity patterns of two boreal homeotherms in winter: homeostasis, allostasis, and ecological coexistence. **Functional Ecology**, <https://doi.org/10.1111/1365-2435.13640>.

(16) Peers MJL, Konkolics SM, Lamb CT, Majchrzak YN, **Menzies, AK**, Studd EK, Boonstra R, Kenney AJ, Krebs CJ, Martinig AR, McCulloch B, Silva J, Garland L, and S Boutin. 2020. Prey availability and ambient temperature drive carrion persistence in the boreal forest. **Journal of Animal Ecology**, <https://doi.org/10.1111/1365-2656.13275>.

(15) Studd EK, **Menzies AK**, Siracusa ER, Dantzer B, Lane JE, McAdam AG, Boutin S, and MM Humphries. 2020. Optimisation of energetic and reproductive gains explains behavioural responses to environmental variation across seasons and years. **Ecology Letters**, 23(5): 841-850.

(14) MacMillan, G., Falardeau, M., Girard, C., Dufour-Beausejour, S., Lacombe-Bergeron, J., **Menzies, A.K.**, and D. Henri. (2019). Highlighting the potential of peer-led workshops in training early career researchers for research in an indigenous context. **FACETS**, 4(1): 275-292.

(13) Studd, E.K., Boudreau, M.R., Boutin, S., Majchrzak, Y.N., **Menzies, A.K.**, Murray, D.L., Peers, M.J.L., Seguin, J.L., and M.M. Humphries. (2019) Use of acceleration and acoustics to investigate the influence of moonlight on the behavior of snowshoe hares. **Frontiers in Ecology and Evolution**, 7: 154.

(12) Jung, T., Konkolics, S., Kukka, P., Majchrzak, Y., **Menzies, A.**, Oakley, M., Peers, M., and

- E. Studd. (2019). Short-term effect of helicopter-based capture on movements of a social ungulate. **Journal of Wildlife Management**, 83(4): 830 - 837. * all authors contributed equally and are listed in alphabetical order
- (11) Studd, E., Landry-Cuerrier, M., **Menzies, A.**, Boutin, S., McAdam, A., Dantzer, B., Lane, J., and M. Humphries. (2019). Behavioral classification of low frequency acceleration and temperature data from a free ranging small mammal. **Ecology and Evolution**, 9(1): 619-630.
- (10) Muise, K.A., **Menzies, A.K.**, and C.K.R. Willis. (2018). Stress-induced changes in body temperature of silver-haired bats (*Lasionycteris noctivagans*). **Physiology and Behavior**, 194: 356-361.
- (9) Humphries, M.M., Studd, E.K., **Menzies, A.K.**, and Boutin, S. (2017). To everything there is a season: summer-to-winter food webs and the functional traits of keystone species. **Integrative and Comparative Biology**, 57(5): 961-976. *cover article
- (8) Bohn, S., Webber, Q., Florko, K., Paslawski, K., Peterson, A., Piche, J., **Menzies, A.K.**, and C. Willis. (2017) Personality predicts ectoparasite abundance in an asocial sciurid. **Ethology** 123(10): 761-771.
- (7) Levesque, D.L., **Menzies, A.K.**, Landry-Cuerrier, M., Larocque, G., and M.M. Humphries. (2017) Embracing heterothermic diversity: non-stationary waveform analysis of temperature variation in endotherms. **Journal of Comparative Physiology B**, 187: 749-757.
- (6) **Menzies A.K.**, Webber, Q.R.M, Baloun, D.E., McGuire, L.P., Muise, K.A., Cote, D., Tinkler, S., and C.K.R. Willis. (2016) Metabolic rate, colony size and latitude, but not phylogeny, affect rewarming rates of bats. **Physiology and Behavior**, 164: 361–368.
- (5) **Menzies, A.K.**, Timonin, M.E., McGuire, L.P. and Willis, C.K.R. (2013). Personality variation in little brown bats. **PLoS one**, 8(11): e80230.
- (4) Clare, E., Symondson, W., Broders, H., Fabianed, F., Frazer, E., MacKenzie, A., Boughen, A., Hamilton, R., Willis, C., Martinez-Nunez, F., **Menzies, A.K.**, Norquay, K., Brigham, M., Poissant, J., Rintoul, J., Barclay, R., and Reimer, J. (2013) The diet of *Myotis lucifugus* across Canada: assessing foraging quality and diet variability. **Molecular Ecology**, 23(15): 3618–3632.
- (3) Willis, C.K.R., **Menzies, A.K.**, Boyles, J.G. and Wojciechowski, M.S. (2011) Cutaneous water loss is a plausible explanation for mortality of bats from white-nose syndrome. **Integrative and Comparative Biology**, 51: 364-373.
- (2) Norquay, K.J.O., **Menzies, A.K.**, McKibbin, C.S., Timonin, M.E., Baloun, D.E., and Willis, C.K.R. (2010) Silver-haired bats (*Lasionycteris noctivagans*) found ensnared on burdock (*Arctium minus*). **Northwestern Naturalist**, 91(3): 339-342.
- (1) Jonasson, K.A., Timonin, M.E., Norquay, K.J.O, **Menzies, A.K.**, Dubois, J. and Willis, C.K.R. (2010). Case study: a little brown bat (*Myotis lucifugus*) survives in the wild with only one foot. **Journal of Wildlife Rehabilitation** 30(3): 27-29.

Book Chapters:

(1) Dzal YA*, Menzies AK*, Webber QMR, and CKR Willis. 2020. Torpor and Tinbergen: Integrating physiological and behavioral traits with ontogeny, phylogenetic history, survival, and fitness to understand heterothermy in bats. In: 50 years of Bat Research: Foundations and New Frontiers. Eds. Lim B, Fenton B, Brigham M, Shahroukh M, Kurta AI, Gillam E, Russell A, and J Ortega.

* indicates equal contribution

Technical Reports and Other Publications:

(2) **Menzies, A.K.** May 2020. Considerations and Recommendations for Initiating Community-led Moose Monitoring Projects in Central and Northern Manitoba. Unpublished Report Prepared for Nature United.

(1) Leatherdale International Polar Bear Conservation Centre (LIPBCC) Advisory Board. July 2018. Management Rationale and Options for Orphan Polar Bear Cubs in Manitoba. Unpublished Report to Department of Sustainable Development, Manitoba. 22p. Report prepared by: S. Peterson, K. Florko and **A.K. Menzies**.

COMPETITIVE SCHOLARSHIPS, AWARDS, AND GRANTS:

(total value of scholarships and grants > \$365,000)

Scholarships and Grants:

<u>Award</u>	<u>Value</u>	<u>Location Held</u>	<u>Period Awarded</u>
(18) Northern Scientific Training Program (NSTP) Travel Grant	\$2800	McGill University	July 2017
(17) W. Garfield Weston Award for Northern Research (Doctoral)	\$50,000	McGill University	Jul 2017 – Jul 2019
(16) Northern Scientific Training Program (NSTP) Travel Grant	\$3000	McGill University	April 2016
(15) GREAT Travel Award	\$400	McGill University	August 2016
(14) Northern Scientific Training Program (NSTP) Travel Grant	\$3000	McGill University	May 2016
(13) GREAT Travel Award	\$400	McGill University	October 2015
(12) Northern Scientific Training Program (NSTP) Travel Grant	\$3000	McGill University	August 2015
(11) GREAT Travel Award	\$350	McGill	May 2015

		University	
(10) McGill Graduate Excellence Award	\$2000	McGill University	Sept 2014
(9) NSERC Vanier Post Graduate Scholarship	\$150,000	McGill University	Sept 2014 – Aug 2017
(8) NSERC Alexander Graham Bell Canada Graduate Scholarship (CGS-D)	\$105,000	N/A	Declined
(7) University of Winnipeg Graduate Studies Travel Grant	\$750	University of Winnipeg	Dec 2012
(6) Manitoba Graduate Scholarship	\$15000	University of Winnipeg	Sept 2012 – Sept 2013
(5) NSERC Alexander Graham Bell Canada Graduate Scholarship (CGS-M)	\$17500	University of Winnipeg	Sept 2011 – Sept 2012
(4) Undergraduate Research Travel Grant	\$750	University of Winnipeg	June 2010
(3) NSERC Undergraduate Student Research Award	\$6000	University of Winnipeg	May - Sept 2010
(2) NSERC Undergraduate Student Research Award	\$6000	University of Winnipeg	May - Sept 2009
(1) Marsha P Hannen Scholarship	\$2400	University of Winnipeg	Sept 2007
<i>Other Awards:</i>			
(3) Principal's Prize for Outreach Through Media: Special Recognition Prize for Direct Public Outreach	N/A	McGill University	March 2019
(2) Graduate Student of Highest Distinction	N/A	University of Winnipeg	June 2014
(1) Gold Medal for Achievement in an Honours Course (Biopsychology)	N/A	University of Winnipeg	June 2011

ABSTRACTS AND CONFERENCE PRESENTATIONS:

* = presented by

- Dec 2018 **ArcticNet**
Ottawa, Ontario
- “Potential of peer-led workshops in training ECRs for work with indigenous communities”, *MacMillan, G., Falardeau, M., Girard, C., Dufour-Beausejour, S., Lacombe-Bergeron, J., **Menzies, A.K.**, and D. Henri. (Poster presentation)
- Nov 2018 **Institut Nordique De Quebec Northern Research Day**
Quebec City, Quebec
- “Potential of peer-led workshops in training ECRs for work with indigenous communities” , *MacMillan, G., Falardeau, M., Girard, C., Dufour-Beausejour, S., Lacombe-Bergeron, J., **Menzies, A.K.**, and D. Henri (Poster presentation)
- **Won second prize**
- June 2018 **American Society of Mammalogists**
- “Effects of short-term capture of bison behaviour” *Jung, T., Konkolics, S., Kukka, P., Majchrzak, Y., **Menzies, A.**, Oakley, M., Peers, M., and E. Studd. (Poster presentation)
- Jan 2018 **Society for Integrative and Comparative Biology Annual Meeting**
San Francisco, CA
- “The evolutionary potential of hibernation phenology in little brown bats” Q. Fletcher*, Q Webber, **A Menzies**, M-A Collis, CKR Willis
- Jan 2017 **Society for Integrative and Comparative Biology Annual Meeting**
New Orleans, LA
- “Mammal energetics and trophic interactions across a seasonal gradient” MM Humphries*, EK Studd, **AK Menzies** (Invited symposium presentation)
- Nov 2016 **Societe Qubecoise pour l’Etude Biologique do Comportement (SQEBC)**
Rimouski, Quebec
- “Stationary waveform analysis of body temperature variation” **AK Menzies***, DL Levesque, M Landry-Cuerrier, G Laroque, MM Humphries (Poster Presentation)
- July 2016 **15th International Hibernation Symposium**
Las Vegas, Nevada
- “Embracing heterothermic diversity: an analytical approach for comparing and categorizing patterns of temperature variation in endotherms” – D. Levesque*, B. McGill, M. Landry-Cuerrier, **A. Menzies**, MM Humphries
- Nov 2015 **Societe Quebecoise pour l’Etude Biologique du Comportement (SQEBC)**
Quebec City, Quebec

“Calibration of Activity and Acoustic Biologgers on Captive Lynx” – **Allyson K Menzies***, Emily K Studd, Murray M Humphries (Poster Presentation)

Oct 2015 **North American Symposium on Bat Research**
Monterey, California

“The Ecological Energetics of Hibernation in Temperature Bats” – Craig Willis*, Dylan Baloun, Mary-Anne Collis, Zenon Czenze, Kristin Jonasson, Heather Mayberry, Liam McGuire, **Allyson Menzies**, Kristina Muise, Kaleigh Norquay, Quinn Webber and Alana Wilcox (Invited symposium presentation)

“Metabolic rate, latitude and colony size, but not phylogeny, affect rewarming rates of bats” – **Allyson Menzies**, Dylan Baloun*, Quinn Webber, Liam McGuire, Damien Cote, Samantha Tinkler, Craig Willis (Poster presentation)

May 2015 **Canadian Society of Ecology and Evolution**
Saskatoon, Saskatchewan

Organizer and moderator for symposium entitled: “Wildlife biologging: advancements in the study of animal ecology and energetics”

“Biologging components of a boreal food web” – Humphries, M.M.*, Studd, E.K.*, **Menzies, A.K.**, Landry-Cuerrier, M. (Invited symposium presentation)

“Biologging bats: using technology to tackle white nose syndrome” – Craig Willis*, Dylan Baloun, Mary-Anne Collis, Zenon Czenze, Kristin Jonasson, Heather Mayberry, Liam McGuire, **Allyson Menzies**, Kristina Muise, Kaleigh Norquay, Quinn Webber and Alana Wilcox (Invited symposium presentation)

Aug 2013 **16th International Bat Research Conference and 43rd North American Symposium on Bat Research**
San Jose, Costa Rica

“Rewarming rates of bats” – **Menzies, A.K.***, Webber, Q.M.M., Warnecke, L., Turner, J.M., McGuire, L.P. and Willis, CKR.

Oct 2012 **42nd North American Symposium on Bat Research**
San Juan, Puerto Rico

“Heritability of survival traits in big brown bats” – **Menzies, A*.**, Musante, C., Lane, J., Reeder, D. and Willis, C. (Poster Presentation)

“Is Personality Correlated with Ectoparasite Load in Little Brown Bats?” – Webber, Q*., Czenze, Z., Baloun, D., **Menzies, A.K.**, and Willis, C.

Oct 2011 **41st North American Symposium on Bat Research**
Toronto, Ontario, Canada

“Repeatability of personality and torpor expression in little brown bats” –

Menzies, A.K.*, Carriere, C.J. and Willis, C.K.R.

“Relationship between personality and ectoparasite load in little brown bats” – Smith, S.B.*, **Menzies, A.K.**, Czenze, Z., and Willis, C.K.R.

“The dehydration hypothesis: exploring behavioral and physiological evidence from bats inoculated with *Geomyces destructans*” – Willis, C.K.R.* , Warnecke, L., Turner, J.M., Lorch, J.M., Wilcox, A., **Menzies, A.K.**, Boyles, J.G., Bollinger, T.K., Misra, V., Wojciechowski, M.S., Blehert, D.S., and Cryan, P.M. (Invited Platform Presentation)

Jan 2011 **Society for Integrative and Comparative Biology Annual Meeting**
Salt Lake City, Utah, USA

“Hibernation energetics, evaporative water loss and conservation in bats” – Willis, C.K.R.* , **Menzies, A.K.**, Wojchiewchowski and Boyles, J.G.

Oct 2010 **40th North American Symposium on Bat Research**
Denver, Colorado, USA

“Does personality correlate with energetics in little brown bats (*Myotis lucifugus*)” – **Menzies, A.K.***, Timonin, M.E., Willis, C.K.R.

Nov 2009 **39th North American Symposium on Bat Research**
Portland, Oregon, USA

“An open-field personality test for bats”- **Menzies, A.K.**, Timonin, M.E., McKibbin, C., Jameson, J.W. and Willis, C.K.R*(poster presentation)
Abstract accepted but could not attend

“Personality in two populations of little brown bats (*Myotis lucifugus*)” – Timonin, M.E.* , **Menzies, A.K.** and Willis, C.K.R.

RESEARCH EXPERIENCE AND TRAINING:

2020 **Consultant**, *Nature United*
Supervisor: Amanda Karst

Wrote a report with recommendations for initiating community-led moose monitoring in central and northern Manitoba

2018 **Intern**, *Manitoba Sustainable Development and Leatherdale International Polar Bear Conservation Centre*
Supervisors: Bill Watkins, Species at Risk Biologist; Vanessa Harriman, Population Ecologist; Stephen Petersen, Head of Conservation and Research at LIPBCC

I helped write a report to provincial government, on behalf of the LIPBCC, on management options for orphaned polar bear cubs in Churchill,

Manitoba. I also created online hunter questionnaires to collect data on hunting success and hunter effort for large game species.

Skills Include: Review scientific literature, apply ecological knowledge to management of species at risk, written communication for decision-makers, communication within government departments

2016 -
present

Intern, Alberta Conservation Association
Supervisor: Robert Anderson, Senior Biologist, ACA

Working with government biologists and local trappers to better understand ecology and energy requirements of boreal wolverines in the winter

Skills include: Wolverine live-trapping, snowtracking, kill-site investigation, science communication with trappers and general public, formulating a data-sharing agreement.

2014 -
present

PhD Candidate, Natural Resource Sciences Department, McGill University
Supervisor: Murray Humphries

Thesis: Biologging Bioenergetics of the Boreal Forest

Skills include: Live-trapping red squirrels, snowshoe hares, and lynx; chemical immobilization of lynx and wolverine for handling/collaring; radio-telemetry; behavioural focals; metabolic measurements (BMR and/or FMR) on squirrels, snowshoe hares, lynx, and wolverine; blood and tissue sampling from squirrels, snowshoe hares, and lynx; snowtracking and kill-site investigations; mentoring and training junior students and field technicians; science communication (to communities, government, first nation organizations), field work and living in a remote, northern field camp

2014

Wildlife Biologist, Joro Consultants, Winnipeg, Canada
Supervisor: Dr. Erin McCance

Skills include: Acoustic and point-count surveys for breeding birds; wolf kill-site investigations; aerial telemetry surveys of large mammals; expanding written communication skills (official reports to clients)

2011 - 2014

M.Sc. Student, Department of Biology, University of Winnipeg

Thesis: Hibernation Energetics of Big Brown Bats

Skills include: Molecular lab techniques (DNA extraction, gel electrophoresis, PCR, western blot); long-term care of captive little brown bats; data analysis using R software (PCA, mixed effect models); mentoring and training junior students (honours students and research assistants)

July 2013

Volunteer Field Assistant, Bracken Cave and Bamburger Ranch, Texas, U.S.A
Supervisor: Nathan Fuller, Department of Biology, Boston University

Assisted in collecting 3D infrared videos of flying bats using high-end thermal cameras to help understand group flight behaviour of bats.

- July 2012 **Ecological Energetics Field Course – Student and Instructor,**
Department of Biology, University of Winnipeg
- Field course intended to give students hands-on experience with ecological research techniques.
Skills include: Small mammal trapping (chipmunks, squirrels, voles and bats); short-term care of captive, wild animals; measurement of metabolic rates (openflow respirometry); telemetry
- 2009 – 2012 **Research Assistant, Department of Biology, University of Winnipeg**
Supervisor: Dr. C. Willis
- Assisted with projects on bat ecology, long-distance movements, and energetics.
Skills include: Capture of free-ranging bats using mist-nets and harp traps; implanting passive transponders (PIT-tag); behavioural measurements (e.g., novel environment test); bat mortality surveys at wind turbines in southern Manitoba; field work and camping in a wide range of conditions (i.e., -35°C to +35°C)
- 2007 - 2008 **Summer Research Student for Agriculture and Agri-foods Canada,**
Brandon Research and Development Centre, Brandon, Manitoba, Canada
- Skills include:** Planting, maintaining and harvesting crops; crop disease surveys; collecting, drying and grinding crop biomass samples; supervising junior field crew members
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TEACHING EXPERIENCE:

- 2019 **Lab Instructor, WILD 350 (3) – Mammalogy**
Natural Resource Sciences Dept, McGill University
- 2019, 2015 **Guest Lecturer, WILD 421 (3) – Wildlife Conservation**
Natural Resource Sciences Dept, McGill University
- 2018, 2015, 2014 **Guest Lecturer, WILD 307 (3) – Natural History of Vertebrates**
Natural Resource Sciences Dept, McGill University
- 2018 **Guest Lecturer – Graduate Seminars**
Geography Department, Memorial University of Newfoundland
- 2014 **Field Instructor, BIOL 4206 (3) – Field Methods in Ecological Energetics**
Dept of Biology, University of Winnipeg
- 2014 **Lab Instructor, BIOL 1116 (3) – Evolution, Ecology and Biodiversity**
Dept. of Biology, University of Winnipeg

- 2013 **Lab Instructor, BIOL 1115 (3) – Cells and Cellular Processes**
Dept. of Biology, University of Winnipeg
- 2012 **Marker, BIOL 3562 (3) – Biology of Human Reproduction**
Dept. of Biology, University of Winnipeg
- 2011 **Marker, PSYCH 4100 (6) – Research Design and Data Analysis**
Dept. of Psychology, University of Winnipeg
- 2008-2011 **Laboratory Demonstrator, BIOL 2111 (6) – Comparative Chordate Zoology**
Dept. of Biology, University of Winnipeg
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ACADEMIC MENTEES:

Manuscripts and Research Projects

K Courschene (currently honours student at McGill University) – was primary supervisor for honours project

K Muise (currently MSc student at University of Winnipeg) – mentored in the field and throughout publication process (manuscript # 10)

Field/Lab Training and Supervision

Gabrielle Ednie (currently: Honours student at McGill University)
Jacob Seguin (currently: MSc student at Trent University)
Zach Fogel (currently: field technician in the U.S.)
Juliana Balluffi-Fry (currently: MSc student at Memorial University)
Claire Hoffmann (currently: PhD student at Michigan State University)
Shannon Whelan (currently: PhD student at McGill University)
Sean Konkolics (currently: MSc student at University of Alberta)
Samantha Stead (currently: PhD student at University of Toronto)
Laurence Carter (currently: MSc student at McGill University)
Lisa Bidinosti (currently: lab technician at McGill University)
Dylan Baloun (currently: PhD student at University of Saskatchewan)

COMMITTEES AND ASSOCIATIONS:

- 2017 - 2020 **Macdonald Campus Environmental Biology Seminars Organizing Committee**
Volunteer position
- 2016 - 2018 **Graduate Student Representative, Natural Resource Sciences Departmental Committee, McGill University**
Invited, volunteer position
- 2016 - 2018 **Departmental Representative, Macdonald Campus Graduate Student Society, McGill University**

- Volunteer position
- 2016 **Advisory Committee to the Dean for Appointment of Department Chair Student Representative, Natural Resource Sciences Department, McGill University**
Invited, volunteer position
- 2014,
2011/2012 **University of Winnipeg Strategic Review Steering Committee Student Representative**
Invited position
- 2013/2014 **The Manitoba Chapter of the Wildlife Society Graduate Student Representative**
Elected, volunteer position
- 2012/2013 **Search and Selection Committee for Hiring VPA Research and Innovation Student Representative, University of Winnipeg**
Invited, volunteer position
- 2012/2013 **University of Winnipeg Student Association Graduate Student Co-director**
Elected, volunteer position.
- 2012/2013 **Voting Member of The University of Winnipeg Senate and Graduate Studies Sub-Committee**
Volunteer position

SERVICE:

Workshop Organization And Facilitation:

- 2020 **Building Collaborative Projects in the North as Early Career Researchers: Research Guidelines, Ethical Protocols, and Community Engagement**
Institut Nordique de Quebec, Webinar Series, April 15, 2020
<https://inq.ulaval.ca/index.php/en/node/1185>
- 2019 **Media Training and Science Communication for Graduate Students in the Natural Sciences, Organizer**
CREATE-Environmental Innovation Program, Department of Natural Resource Sciences, McGill University
- 2019 **Building Collaborative Projects in the North: a Challenging and Satisfying Journey, Workshop Organizer and Facilitator**
Institut Nordique de Quebec, Introduction to Research and Northern Issues, Universite de Laval, Quebec City, Quebec
- 2019 **Symposium for Women Entering Ecology and Evolution Today**

(SWEET), Organizing committee

2019 Canadian Society of Ecology and Evolution (CSEE) conference,
Fredericton, New Brunswick

2017 **Intercultural Indigenous Workshop, Organizing Committee**
McGill University

2015 **Wildlife Biologging: Advancements in the Study of Animal Ecology and Energetics, Symposium Organizer**
2015 Canadian Society of Ecology and Evolution (CSEE) conference,
Saskatoon, Saskatchewan

Public Outreach Presentations:

I have presented outreach talks in both English and French for over 20 school groups, 10 community organizations (e.g., senior homes, girl guide meetings) and various University functions. I have also organized, facilitated and participated in numerous hands-on workshops (for classrooms, community groups, etc) at my field stations or in the communities in which I have conducted research.

I received the **Principal's Prize for Outreach Through Media: Special Recognition Prize for Direct Public Outreach** at McGill University in 2019 for my outreach and public communication efforts in northern communities.

Some representative presentations and hands-on workshops are listed, below:

Invited Public Presentations:

(9) "Using New Tools to Answer Old Questions" Manitoba Sustainable Development Lunch and Learn Presentation, Winnipeg, Manitoba. July 2018. Audience: 25 government biologists and employees from various branches (via webinar, as well).

(8) "Using New Tools to Answer Old Questions" Alberta Conservation Association, Edmonton, Alberta. April 2018. Audience: 15 biologists, land-use planners, trappers, (via webinar, as well)

(7) "Live-trapping for science" Kwanlin Dün Cultural Centre, Whitehorse, Yukon. As part of UnFURled, a Yukon fur auction and trapping rendezvous. (Audience: over 1000 community members visiting fur auction and trapping workshops)

(6) "Research in the Kluane Region" St Elias Centre, Haines Junction, Yukon. February 20, 2015. (Audience: 20 community members, regional biologists, wildlife enthusiasts).

(5) "Adventures in a frozen land: learning about hibernation behaviour and conservation of bats", Graduate Studies Open House, University of Winnipeg, Department of Graduate Studies, Winnipeg, Manitoba, Canada, October 2013. (Audience: 30 prospective and current graduate students)

(4) "Flying Mammals, Fur, and Fungus: Fighting to Save Canada's Threatened Bats", The Wildlife Society (Manitoba Chapter) Winter Retreat, Camp Wannakumbac, Riding Mountain

National Park, Manitoba, Canada, February 2013. Invited Keynote Presentation. (Audience: 75 undergraduate and graduate students, wildlife professionals, professors, etc)

(3) “Bat Research in Manitoba”, Riding Mountain National Park Summer Research Seminar Series, RMNP Interpretive Centre, Wasagaming, Manitoba, Canada, August 2013. (Audience: 50 people; general public, cabin owners, wildlife enthusiasts)

(2) “How to Survive Grad School at The University of Winnipeg”. Graduate Studies Orientation Day, University of Winnipeg, Winnipeg, Manitoba, Canada, September 2012. (Audience: 60 graduate students and faculty)

(1) “Advice for Prospective Graduate Students”, iGraduate Series, Students of Science Association, University of Winnipeg, Winnipeg, Manitoba, Canada, February 2012. (Audience: 20 senior undergraduate students and faculty)

Hands-on Workshops :

(6) Squirrel Research Demonstration – Hands-on presentation and activities about red squirrel research and field techniques for grade 1 students. St Elias School, Haines Junction, Yukon. March 2018. (Audience : 12 students)

(5) Northern Field Methods Demonstration – Presentation of field methods, wild animal handling, and animal tracking technology at our field camp for senior undergraduate students in a University of Alberta Field Course. February 2018, February 2017 (Audience: 30 students)

(4) Small Mammal Trapping and Research Techniques Demonstration. Hands-on workshop and presentation at our research camp for high school students from Haines Junction, Yukon. April 2016, April 2015. (Audience : 5 students)

(3) Community Bat Research Workshop. Public demonstration of bat research techniques for Misipawistik Cree Nation. Grand Rapids, Manitoba, Canada, August 2012. (Audience: 50 community members and Elders)

(2) Bat Research Campfire Talk. Public demonstration of field work techniques for guests of cabins. Richard Lake Mine, Ontario, Canada, August 2011. (Audience: 20 community members)

(1) Bat Research Workshop, Public demonstration of field work techniques for students of an International Science Camp. Pinawa, Manitoba, Canada, July 2010. (Audience: 30 high school students from around the world)

Broader Community Involvement:

2017, 2018 **Mac Campus Women in Science (Mac-WIS) Executive Committee**

2018, 2017,
2016 **Science Fair and Heritage Fair Volunteer Judge**
St Elias School, Haines Junction, Yukon

2017 **Guest Blogger, McGill GradLife Blog**

2017 **MacDonald Campus Women in Science Group Founder**

- 2017 **North American Indigenous Games – U19 Volleyball Team Coach and Chaperone**
Toronto, Ontario
- 2017, 2016 **Skype a Scientist presenter**
Five presentations to elementary, junior, and high schools in the United States via Skype on a range of topics (bat ecology, predator-prey dynamics, habitats)
- 2016 **Canada-Wide Science Fair Departmental Representative**
McGill University, Montreal, Quebec
- 2015 **The Wildlife Society Annual Conference Volunteer**
Winnipeg, Manitoba, Canada
- 2011-2012 **Lets Speak Ojibwe with Wab Kinew - Volunteer scientist**
Family-friendly science activities, paired with language lessons for inner-city families
Wii Chiiwaakanak Learning Centre - University of Winnipeg
- 2008-2013 **Lets Talk Science Volunteer and Graduate Student Coordinator**
University of Winnipeg
- 2012/2013 **University of Winnipeg Biology Journal Club – Founder**
- 2013 **University of Winnipeg Research Colloquium - Moderator**
- 2011-2014 **Volleyball Coach** - North American Indigenous Games Manitoba Provincial Team, Jr Wesmen Club Teams (U12, U14, U16, U18 age groups)
- Participated in Aboriginal Coach Module Training and Workshop
- 2011 **Canadian Parks and Wilderness Society (CPAWS) “Youth Night” Participant**
A brainstorming session in how to get youth involved in protection of land and conservation
- 2009/2010 **The University of Winnipeg Animal Enrichment Club – Member**
Provided enrichment activities for zoo animals at the Assiniboine Park Zoo

MEDIA/PRESS COVERAGE:

Canadian Wildlife, May-June 2020 issue. “Looking for lynx”. Written by: Kerry Banks.

Remarkable Rabbits, presented by The Nature of Things with David Suzuki. April 2019. Episode featured study animals.

Les Explorateurs. Nov 2018 issue. “Allyson et Emily au Pays des Lynx”.

Dr Oakley Yukon Vet, Nat Geo Wild. Oct 2018. “The Riddle of the Lynx” (Season 6, Episode 1).
<http://natgeotv.com/ca/dr-oakley-yukon-vet/about>

The Wild Canadian Year, presented by The Nature of Things with David Suzuki. July 2018. “Winter” Episode. <http://www.cbc.ca/wildcanadianyear/episodes/series-preview/winter>. Episode featured study animals

McCrae, Aiden. May 2018. “A day at Kluane Red Squirrel Camp” Radio documentary. <https://soundcloud.com/aiden-mcrae/a-day-at-squirrel-camp>

Dr Oakley Yukon Vet, Nat Geo Wild. Oct 2017. “Wild wild wolverine” episode. <http://natgeotv.com/ca/dr-oakley-yukon-vet/about>

Uphere Magazine. Apr 2017. “Fur and Fitbit”. <http://uphere.ca/node/2247>

Alaska Fish and Wildlife News. Jan 2017. “Wandering Lynx: Lynx Research in Alaska and Canada.” http://allysonmenzies.weebly.com/uploads/8/1/7/0/81702066/wandering_lynx_alaska_department_of_fish_and_game.pdf

CBC Yukon: A New Day. Nov 2016. “Update on Kluane Lynx Study in the Yukon”. <https://soundcloud.com/cbcyukon/update-on-kluane-lynx-study-in-the-yukon>

CBC News. Nov 2016. “Missing Lynx No More: Researchers Learn of Yukon Animals’ Epic Journey”. <http://www.cbc.ca/news/canada/north/kluane-lynx-project-yukon-alaska-1.3858581>

Copper River Record. Nov 2016. “Captured Lynx Reveals Remarkable Journey”. http://allysonmenzies.weebly.com/uploads/8/1/7/0/81702066/copper_river_record.pdf

JOURNAL REVIEWER:

- Proceedings of the Royal Society B
- Behavior (x5)
- Ecology and Evolution
- Mammal Research
- Journal of Animal Ecology (x2)
- Physiology and Behavior (x2)
- PLOS ONE (x2)

CERTIFICATION:

Sept 2016, Oct 2015	Chemical Immobilization Course – Canadian Association of Zoo and Wildlife Veterinarians
May 2014	Aboriginal Coaching Module Training Workshop – Manitoba Aboriginal Sport and Recreation Council
Aug 2014	McGill University Animal User Training Course
Sept 2013	Workplace Hazardous Materials Information System (WHMIS) Training
July 2012	Wilderness First Aid Course and CPR Training – St John Ambulance

PROFESSIONAL MEMBERSHIPS:

Canadian Society of Ecology and Evolution (CSEE)

The Wildlife Society (Manitoba Chapter and Canadian Section)

Centre de la Science de la Biodiversité du Québec/Québec Centre for Biodiversity Science (QCBS)

Société Québécoise pour l'Étude Biologique du Comportement (SQEBC)

North American Society for Bat Research (NASBR)

*** REFERENCES AVAILABLE UPON REQUEST**