

Olwyn Friesen

50 Sifton Road
Department of Biological Sciences
Winnipeg, Manitoba
Canada
R3T 2N2

Phone: (204) 951 2325

email: olwynfriesen@gmail.com

EDUCATION

- 2015-2018 Ph.D. Zoology, University of Otago,
Thesis: Parasite-mediated interspecific interactions in a community of crustaceans
- 2010-2013 M.Sc. Biological Sciences, University of Manitoba,
Thesis: Ecology of parasites in northern canids: impacts of age, sex, behavior, life history, and diet
- 2006-2010 B. Sc. (Hons.), Zoology, University of Manitoba,
Honours thesis: Development of a rapid bioassessment protocol to detect impacts of cottage development using zooplankton communities from boreal shield lakes

ACADEMIC AND RESEARCH EXPERIENCE

Post-Doctoral Research, University of Manitoba, with Dr. Jillian Detwiler

- Developing and submitting post-doctoral grant applications to Natural Sciences and Engineering Research Council of Canada (*Understanding mechanisms of host behavioural modification strategies by trematode parasites*) and W. Garfield Weston Post-Doctoral Fellowship in Northern Research (*From Arctic to Atlantic: northern diversity and biogeography of trematodes and their molluscan hosts*)

PhD Research, University of Otago, Supervisors: Dr. Robert Poulin and Dr. Clément Lagrue
08/2015-12/2018

- Developing, implementing, and managing multiple projects, concurrently
- Diverse parasite identification, dissection, and preservation
- Microdissection and identification of wide diversity of aquatic invertebrates
- Mesocosm set up and development
- Student supervision (Undergraduate and Master's students)
- Statistical analysis using various programs including R, JMP, and SAS®
- Isopod colony development
- Mesocosm design and development
- Assisting and evaluating students (undergraduate and Masters)
- Manuscript development and publication
- Reviewing manuscripts for various journals (e.g., Journal of Animal Ecology)

Masters Research, University of Manitoba, Supervisor: Dr. James Roth

09/2010 - 03/2013

- Remote field seasons in the Canadian Arctic (Churchill, MB and Wapusk National Park (northeast Manitoba)), totalling over 17 weeks
- Current Possession and Acquisition Firearms Licence (Issued by Government of Canada)
- Proficient use of ATV, Snowmobile, GPS, Satellite phone, Basecamp© and other mapping programs, Sherman live traps and snap-traps, navigating in the field
- Stable-isotope analysis in SIAR and other statistical analysis in R
- Statistical analysis using various programs including R, JMP, and SAS©
- Various body condition indices (e.g. Kidney-Fat index, Body Subcutaneous Fat)
- Visiting and evaluating fox dens to produce fox abundance estimates and reproductive success
- Small mammal trapping (live trapping using both transect (set up and maintenance) and trapping grids and snap-trapping using transects (design, set up, and maintenance))
- Necropsy of several wildlife species (including fox, wolves, coyote, various birds (Mallard, Merganser species, etc.), wolverine, rat, collared lemming, southern red backed vole, snowshoe hare)
- Identification and preservation of parasites (including microscopy, staining, mounting, etc.)
- Diet reconstruction of fox and wolves using stable isotopes ($\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ using muscle and hair tissues), stomach and fecal analysis (hair, bone, feather, egg, vegetation identification)
- Proficient use with Microsoft Office (Word, PowerPoint, Excel, Publisher) and website development

Additional research experience, University of Manitoba and Department of Fisheries and Oceans

09/2010 - 12/2012

- Whale stomach analysis, including otolith collection
- Beluga blubber and skin preparation (for stable isotopes and hormone extraction)
- Hormone extraction from beluga blubber
- Invertebrate identification

Research Assistant: Zooplankton Community Analysis, University of Manitoba, Supervisor: Dr. Brenda Hann

05/2009 - 08/2009

- Zooplankton community analysis
- Analysis of community diversity and composition took place in comparison with relative cottage density upon each individual lake.

Research Assistant: OSF action in breast cancer cells, University of Manitoba, Supervisor: Dr. R. Shiu
01-04/2005 and 01-04/2006

PUBLICATIONS

PEER-REVIEWED PUBLICATIONS AND PAPERS IN PREPARATION

Friesen, O.C., Goellner, S., Poulin, R., and Lagrue, C. (2019) Parasite infection in isopods reduces risk of capture by dragonfly predator. *Hydrobiologia* doi: 10.1007/s10750-019-3929-4

- McPherson O.G., **Friesen O.C.**, Selbach C., and Poulin R. (2018) Prior infections or defence priming: what determines the risk of trematode infections in amphipod hosts? *Parasitology Research*. doi: 10.1007/s00436-018-5885-8
- Goellner, S., Selbach, C., and **Friesen O.C.** (2018) Do behavioural defence mechanisms explain different levels of trematode infections in congeneric hosts? *Journal of Helminthology*. doi: 10.1017/S0022149X18000299
- Friesen O.C.** Poulin R., and Lagrue, C. (2018) Parasite-mediated microhabitat segregation between congeneric hosts. *Biology Letters*, 14: 20170671. doi: 10.1098/rsbl.2017.0671
- Friesen O.C.**, Poulin R., and Lagrue, C. (2017) Differential impacts of shared parasites on fitness components among competing hosts. *Ecology and Evolution*. 7(13): 4682-4693. doi:10.1002/ece3.3062
- Friesen, O.C.** and Roth, J.D. (2016) Alternative prey use affects helminth parasite infections in gray wolves. *Journal of Animal Ecology*. 85(5): 1265-1274. doi:10.1111/1365-2656.12544.
- Friesen, O.C.**, Roth, J.D., Graham, L.C. (2015) Sex-biased parasitism in monogamous arctic foxes is driven by diet. *Journal of Mammalogy*. 96(2): 417-424. doi: 10.1093/jmamma/gyv043
- Friesen, O.C.**, Goellner, S., Poulin, R., and Lagrue, C. (2019) Parasites shape community dynamics and structure. *Under review at Freshwater Biology*.
- Friesen, O.C.** and Roth, J.D. (201) Living on the edge: vast interspecific variation in parasites between sympatric Arctic and red foxes driven by life history. *Under review at Oikos*.
- Friesen, O.C.** and Grunberg, R. (2019) Isotopic ecology: the puzzling relationships between parasites and their hosts. *In preparation*
- Friesen, O.C.**, Poulin, R., and Lagrue, C. (2019) Temperature stress on freshwater crustacean communities: can climate change alter how parasites mediate community structure? *In preparation*.
- Ruehle, B. and **Friesen, O.C.** (2019) The case of the missing zeros: the importance of abundance in parasitology. *In preparation*.
- Eby, A., **Friesen, O.C.**, Roth, J.D. (2019) Temporal comparisons of diet overlap and diet variability between arctic foxes and red foxes in the subarctic in response to fluctuating lemming density. *In preparation*
- Friesen, O.C.** and Hann, B. J. (2019) Rapid bioassessment protocols for detecting impacts of cottage development on boreal shield lakes using zooplankton communities. *In preparation*

THESES

Friesen, O.C. (2018) Parasite-mediated interspecific interactions in a community of crustaceans. PhD Thesis. Department of Zoology, University of Otago, Dunedin, New Zealand

Friesen, O.C. (2013) Ecology of parasites in northern canids: impacts of age, sex, behavior, life history, and diet. Master's Thesis. Department of Biological Sciences, University of Manitoba, Winnipeg, Canada.

Friesen, O.C. (2010) Development of a Rapid Bioassessment Protocol to Detect Impacts of Cottage Development using Zooplankton Communities from Boreal Shield Lakes. Hons. Thesis. Department of Biological Sciences, University of Manitoba, Winnipeg, Canada.

CONTRIBUTIONS TO GOVERNMENT AND MANAGEMENT

Roth, J.D., Mocker, D.M., and **Friesen, O.C.** 2013*. Diet reconstruction of wolves from Eastern and Western Manitoba. Report to Manitoba Conservation.

Roth, J.D., Coulson, Andrew V., and **Friesen, O.C.*** 2012. Preliminary diet reconstruction of wolves from Eastern and Western Manitoba. Report to Manitoba Conservation.

*contributed equally to all the work

CONFERENCE AND MEETING PRESENTATIONS

Friesen, O.C.*, Poulin, R., and Lagrue, C. 2018. It's getting hot in here: Can climate change alter how parasites mediate community structure? Rocky Mountain Conference of Parasitologists. Cedar Point, Nebraska (presentation)

Friesen, O.C.*, Goellner, S., Poulin, R., and Lagrue, C. 2018. Parasite mediation of community dynamics in freshwater crustaceans. 2018 American Society of Parasitology. Cancun, Mexico (abstract accepted, presentation)

Friesen, O.C. * 2018. Parasite-mediated interspecific interactions in a community of crustaceans. Departmental Special Seminar. Department of Zoology, University of Otago (presentation).

Friesen, O.C.*, Poulin, R., and Lagrue, C. 2016. Differential impacts of parasite species on host fitness in four intermediate hosts. New Zealand Society of Parasitology Annual Meeting, Queenstown, New Zealand (presentation)

Friesen, O.C.*, Lagrue, C. 2016. Parasite-mediated habitat use between congeneric isopods. 2016 American Society of Parasitology. Edmonton, Alberta (abstract accepted, presentation)

Friesen, O.C.* 2016. Parasite-mediated interspecific interactions in a community of crustaceans. PhD proposal presentation. Department of Zoology, University of Otago (presentation)

- Eby, A., **Friesen, O.C.**, Roth, J.D. 2014. Temporal comparisons of diet overlap and diet variability between arctic foxes and red foxes in the subarctic in response to fluctuating lemming density. 2014 Parks and Protected Areas Research Forum. Winnipeg, Manitoba (abstract accepted, poster)
- Roth, J.D.*, McDonald, R.M., **Friesen, O.C.** 2014. Stress and parasites related to diet in arctic fox. Wapusk National Park Research & Monitoring Symposium, Winnipeg, Canada. (presentation)
- Roth, J.D.*, **Friesen, O.C.**, and McDonald, R.M. 2013. Variability in stress, parasites, and diet in the arctic fox. 4th International Conference in Arctic Fox Biology. Westfjords, Iceland. (presentation).
- Friesen, O.C.***, and Roth, J.D. 2013. Intraspecific variation in diet and behavior affects parasite loads in arctic fox. 98th Annual Meeting of Ecological Society of America, Minneapolis, Minnesota. (abstract accepted, presentation)
- Mocker, D.M.*, **Friesen, O.C.**, and Roth, J.D. 2013. You are what you eat: mapping gray wolf diet and parasites across three regions in Manitoba, Canada. 98th Annual Meeting of Ecological Society of America, Minneapolis, Minnesota. (abstract accepted, presentation)
- Friesen, O.C.*** and Roth, J.D. 2013. Age and sex differences in the helminth community of the arctic fox. Prairie University Biology Symposium 2013. Winnipeg, Manitoba (presentation)
- Friesen, O.C.*** and Roth, J.D. 2013. Parasite infections in sympatric arctic and red foxes: implications of dietary overlap, behaviour, and climate change. 2013 Parks and Protected Areas Research Forum. Winnipeg, Manitoba (abstract accepted, presentation)
- Friesen, O.C.*** and Roth, J.D. 2012. Wolf diet in Eastern Manitoba: Preliminary Report. East Side Manitoba Moose Management Committee. Pine Falls, Manitoba (presentation)
- Friesen, O.C.*** and Roth, J.D. 2012. Relationship between diet and endoparasites in gray wolves of eastern Manitoba. Wolf and Carnivore Conference. Thompson, Manitoba. (abstract accepted, presentation)
- Friesen, O.C.***, Coulson, A.V., and Roth, J.D. 2012. Spatial and temporal variation in grey wolf diets in regions of moose declines in southern Manitoba. Wolf and Carnivore Conference, Thompson, Manitoba. (poster)
- Friesen, O.C.*** and Roth, J.D. 2012. Parasite diversity and intensity in sympatric arctic and red fox: Implications of Arctic climate change. 97th Annual Meeting of Ecological Society of America, Portland, Oregon. (abstract accepted, presentation)
- Friesen, O.C.*** 2011. Intestinal invaders of the arctic: Parasite ecology in sympatric foxes. Crackerjack Graduate Seminar Series, University of Manitoba, Winnipeg, Manitoba (presentation)
- Friesen, O.C.*** and Roth, J.D. 2011. Ecology of parasites in arctic fox: implications of climate change. Canadian Society for Ecology and Evolution VI Meetings, Banff, Alberta. (abstract accepted, poster presentation)

- Friesen, O.C.*** and Roth, J.D. 2011. Ecology of parasites in arctic (*Vulpes lagopus*) and red fox (*Vulpes vulpes*): parasite community and diet reconstruction from fecal samples. Prairie University Biological Symposium, Saskatoon, Saskatchewan. (presentation)
- Friesen, O.C.*** 2010. Rapid Bioassessment Protocols: Use of Zooplankton Communities to Detect Impacts of Cottage Development in Boreal Shield Lakes. Prairie University Biological Symposium. Brandon, Manitoba. (presentation)
- Evans, A.*, **Friesen, O.C.***, Yarmill A., Iwasiow, B., and Shiu, R. 2006. Mechanism of Action of Osteoclast Stimulating Factor in Breast Cancer Induced Bone Loss. Sanofi-Aventis BioTalent Challenge. Winnipeg, Manitoba (poster presentation)
- Evans, A.*, **Friesen, O.C.***, Iwasiow, B., and Shiu, R. 2005. OSF influence of PTHrP production in Breast Cancer Cells. Sanofi-Aventis BioTalent Challenge. Winnipeg, Manitoba (poster presentation)

*presenter

TEACHING AND EMPLOYMENT EXPERIENCE

Sessional Instructor, Biodiversity and Conservation, University of Manitoba
01/2019-04/2019

Masters Student Advisor, University of Otago
02/2017-06/2017

Advising student on project development, implementation, analysis, and writing a manuscript. Project resulted in a published paper in Journal of Helminthology.

Teaching Assistant, Behavioural and Evolutionary Ecology, University of Otago
02/2016-04/2017

Advising student groups on self-designed projects

Honours Student Co-Advisor, University of Manitoba
05/2014-04/2015

Co-advising an honours student (Alyssa Eby) with Dr. James Roth. Providing advice and feedback on study design, analysis, and thesis development. Work with co-authors on manuscript development.

Administrative Assistant, Mountain Equipment Co-op, Manager: Ken Berg
04/2014-07/2015

Performed office reception activities, as the primary first point of contact for both internal and external callers/visitors. Assumed administrative support duties as required. Basic office support functions (e.g. filing, photocopying, faxing, letter writing, maintaining records, taking phone calls, organizing resumes, meeting arrangements, etc.). Responsible for all staff store scheduling and bi-weekly payroll. New hire paperwork and materials (uniform, name tag, pass card, etc) preparation. Supplying store senior staff (SST) and HR with requested information from the HRIS. Maintaining store records, adequate supplies of HR resource materials. Answering basic HR questions, and inquiries are referred to HR/Payroll as appropriate. Maintaining Kronos records and time sheets and

being the liaison for questions from Payroll. Coordinating store purchasing is coordinated (e.g., sending invoices and purchase orders to HO, co-ordinate setting up of accounts with HO and service providers). Planning store functions and coordinating as directed by store management team (e.g., year-end party). Acting as single point of accountability for responding to store supervision needs and flagging issues requiring follow-up by Team Leaders or Managers. Chair of health and safety committee (including monthly meetings and provincial workplace health and safety). Chair of sustainability committee (including dumpster dive, waste audit, annual reporting, staff choice community grant, etc.)

Nature Interpreter, Oak Hammock Marsh Interpretive Centre, Supervisor: T. Martens
09/2013-02/2014

Giving wetland presentations to public visitors (including marsh walks, canoe adventures, slide presentations, interpretive centre tours, migration talks, etc.), delivering various wetland education programs to school groups (K-12), Animal Care, Office Assistance as requested

Guest Lecturer in Biology, Advanced Biology, and Chemistry, Avila University Upward Bound
24/06/13 – 28/06/13

Gave five presentations on Stable Isotopes, A day in the life of a research scientist, and How to develop a research project.

Boreal Ecology Teaching Assistant, University of Manitoba, Supervisor: Dr. James Roth
01/2013-04/2013

Evaluated reading reports (critical review of relevant peer reviewed paper) and participated in class discussions

Special Presentation (Methods in Mammalogy) in Biology of Mammals, University of Manitoba
12/2011; 11/2012

Presented an overview on different research methods in mammalogy, including measuring small mammal abundance, necropsy, and fox den monitoring

Guest Lab Instructor (Mammal dentition and dental formula) in Biology of Mammals, University of Manitoba
09/2011

Presented an overview on mammalian dentition, including different types of teeth and the dental formula

Introductory Parasitology Teaching Assistant, University of Manitoba, Supervisor: Dr. Lane Graham
01/2011-04/2011; 01/2012-04/2012

Set up labs, answered questions on laboratory material (diversity, anatomy, life history of multiple parasitic phyla), assisted with necropsy of frog, birds, and rats, composed and set up laboratory exam questions, marked laboratory exams

The Invertebrates Teaching Assistant, University of Manitoba, Supervisors: Dr. Joy Stacey, Dr. Brenda Hann

09/2010-12/2010; 09/2011-12/2011

Answered questions on laboratory material (general anatomy, physiology, and life history of multiple invertebrate phyla), lead lab reviews at the end of each laboratory, composed and set up laboratory exam questions, and marked laboratory exams.

Invigilator, English Language Centre, University of Manitoba, Supervisor: R. Iwabuchi

09/2010

Supervised and answered questions of international students writing an English language placement exam

Biology 1: Principles and Themes Teaching Assistant, University of Manitoba, Supervisor: M. Shaw

09/2009-12/2009

Lead first year biology laboratories, answered questions, lead reviews, and invigilated the midterm examination

Wetland Interpreter, Wetland Center of Excellence Programme, Ducks Unlimited Canada, Supervisor: Dr. R. Wishart, R. Adamson

2005-2006

Lead groups of Grade 4 students in an introduction to wetlands, their importance and function in the environment which included the use of demonstration games. Lead students on a nature walk and to a wetland for critter dipping. Responsible for coarse identification of organisms and major wetland fauna.

HONOURS, AWARDS, AND SCHOLARSHIPS

Marc Dresden Student Travel Grant, American Society of Parasitologists, May 2018 (\$350)

University of Otago Divisional Travel Grant, University of Otago, May 2018 (\$3000)

Departmental Travel Award, Department of Zoology, University of Otago, May 2018 (\$500)

New Zealand Society of Parasitology Travel Award, NZSP Annual Conference, October 2016 (\$200)

Departmental Travel Award, Department of Zoology, University of Otago, July 2016 (\$500)

University of Otago Doctoral Scholarship, University of Otago, August 2015-August 2018 (\$75 000)

Best Student Oral Paper Presentation, 2013 Parks and Protected Areas Research Forum, January 2013

Faculty of Graduate Studies Graduate Student Travel Award, University of Manitoba, August 2012 (\$1000)

Faculty of Science Award for Excellence in Teaching Assistance, University of Manitoba, April 2012

Northern Scientific Training Program, Government of Canada, April-December 2012 (\$3000)

Northern Research Fund Award, Churchill Northern Studies Centre, April-December 2012 (worth ~\$2000)

Biological Sciences Graduate Poster Award, Department of Biological Sciences, University of Manitoba, November 2011

Faculty of Science Graduate Scholarship, University of Manitoba, September 2011-August 2012 (\$10 000)

University of Manitoba Employees Scholarship, University of Manitoba, 2009, 2010, 2011

Canadian Society for Ecology and Evolution Travel Award, May 2011

Northern Research Fund Award, Churchill Northern Studies Centre, April-December 2011

Faculty of Science Graduate Scholarship, University of Manitoba, September 2010-August 2011 (\$10 000)

Deans Honour List, University of Manitoba, September-December, 2009, January-April, 2010

Deans Honour List, University of Manitoba, January-April, 2009

University 1 Honour List, University of Manitoba, September-December, 2006, January-April, 2007

Guertin Centennial Entrance Scholarship, University of Manitoba, 2006

Manitoba Schools Science Symposium Scholarship, 2006

Pembina Trail School Division Citizenship Award, 2006

Women's Health Research Foundation of Canada Award, 2005

OTHER CONTRIBUTIONS TO SCIENTIFIC WRITING AND TRAINING

Friesen, O.C. 2018 *Climate Change in the North*, 2019 Envirothon Study Guide

Friesen, O.C. 2018 *Environmental Awareness*, 2019 Envirothon Study Guide

Friesen, O.C. 2018 *Integrated Watershed Management*, 2019 Envirothon Study Guide

Friesen, O.C. 2018 *Soils and Geology*, 2019 Envirothon Study Guide

Friesen, O.C. 2018 *Plant Ecology*, 2019 Envirothon Study Guide

Friesen, O.C. 2018 *Wildlife Ecology*, 2019 Envirothon Study Guide

Friesen, O.C. 2018 *Aquatic Ecology*, 2019 Envirothon Study Guide

Friesen, O.C. 2016, *Invasive species: A challenge to the environment, economy, and society*, 2016 Envirothon Study Guide

Friesen, O.C. and Bryson, J. 2013, *Wildlife*, Manitoba Envirothon Study Guide (reviewed annually)

Friesen, O.C. 2013, *Mammals of Manitoba*, Manitoba Envirothon Study Guide

Friesen, O.C. 2014, *Birds of Manitoba*, Manitoba Envirothon Study Guide

Friesen, O.C. 2013, *Pathogens and Parasites in Wildlife*, Manitoba Envirothon Study Guide

CONFERENCES ATTENDED

49th Annual Meeting of the Rocky Mountain Conference of Parasitologists, Cedar Point, Nebraska, 06/09/2018 – 08/09/2018

93rd Annual Meeting of the American Society of Parasitologists, Cancun, Mexico 21/06/18-24/06/18

2016 New Zealand Society for Parasitology Annual Meeting, Queenstown, New Zealand, 26/10/2016-27/10/2016

91st Annual Meeting of the American Society of Parasitologists, Edmonton Alberta, Canada 11/07/2016-14/07/2016

2013 Ecological Society of America Annual Meeting, Minneapolis, Minnesota, 04/08/2013-09/08/2013

Prairie University Biology Symposium 2013, 21/02/2013-23/02/2013

2013 Parks and Protected Areas Research Forum, Winnipeg, Manitoba, 24/01/2013-25/01/2013

Wolf and Carnivore Conference, Thompson, Manitoba, 23/10/2012-24/10/2012

2012 Ecological Society of America Annual Meeting, Portland, Oregon, 05/08/2012-10/08/2012

Canadian Society for Ecology and Evolution IV Meetings, Banff, Alberta, 12/05/2011-15/05/2011

Prairie University Biological Symposium, Saskatoon, Saskatchewan, 24/02/2011-26/02/2011

Churchill Northern Studies Centre and Parks Canada Science Symposium, 19/01/2011-20/01/2011

Prairie University Biological Symposium, Brandon, Manitoba, 18/02/2010-21/02/2010

Australian Science and Mathematics School International Science Fair: Biotechnology Innovation Week, Adelaide, Australia, 19/06/2006-24/06/2006

PROFESSIONAL ORGANIZATIONS

American Society of Parasitology

New Zealand Society of Parasitology

Canadian Society of Zoologists

Canadian Society of Ecology and Evolution

Ecological Society of America

The Wildlife Society (Canadian Section, Manitoba Section)

CERTIFICATIONS

Animal Care – Wildlife & Behavioural Sciences (Field/Capture)

Environmental Health and Safety (EHSO) Generic Biosafety Training

Workplace hazardous materials information system (WHIMIS) Training

Canadian Firearms Safety Course

Possession and Acquisition License (Government of Canada)

Manitoba Class 5 Driver's License

VOLUNTEER AND LEADERSHIP EXPERIENCE

Manitoba Envirothon Education Committee, Wildlife Committee, Co-chair Plant Ecology Committee, Steering Committee, and Former co-chair Orals Committee, Manitoba Envirothon

11/2012-present

Revised and rewrote the wildlife resources for students (including Wildlife fundamentals package, including Manitoba Mammals, Manitoba Birds, and Pathogens, Parasites, and Diseases in Wildlife resources), serving on the steering committee, writing and setting up field exams for both regional and provincial competitions (all around Manitoba, e.g., Churchill, Brandon, International Peace Gardens, etc.), training high school students on hands on ecology and wildlife fundamentals, former co-chair orals committee who produces orals question for both regional and provincial competitions, train judges, coordinate orals competition, judging final oral presentations; coordinate final grading; masters of ceremonies for final oral competition (<http://www.thinktrees.org/envirothon.aspx>)

Postgraduate Annual Symposium Planning Committee, Department of Zoology, University of Otago
09/2016-11/2017

Helped organize and run the annual postgraduate symposium for the Department of Zoology (coordinate student presentations (oral and poster), advertising, arrange two featured speakers (local and visiting), arrange catering and location, organize judging committee for student awards, MC event, etc.)

Awards Committee Member, Canadian Section of The Wildlife Society

11/2012-2013

Reviewing and voting on nominated candidates for various awards of the organization, reviewing qualifications for each award, and reviewing terms of reference.

Parasitology Tenure Professor Search Committee Member, University of Manitoba

10/2011-07/2012

Participated in development of job advertisement, evaluated curriculum vitae, developed short- list criteria, created short-list, member of interview and final selection committee

Director of Communications, Biological Sciences Graduate Student Association, University of Manitoba

05/2011-05/2012

Developed and maintained of website, edited and published bi-annual newsletter, managed social network communications, assisted in organization and development of seminars and other social events in the department

Office Administrator, Aberdeen Mennonite Church

11/2007- 03/2011

Organized and managed of a church office, including arranging appointments, correspondence, managing a website, human relations, document production and editing

Private Tutor, Grade 9-12 Science and Mathematics

09/2007- 12/2010

Re-taught and presented material in an alternative manner in order to facilitate higher understanding and retention in a student

Judge, Sanofi-Aventis BioTalent Challenge

04/2007; 04/2009

Evaluated individual or partner projects based on their scientific merit, oral and visual presentation skills.

UMFM 101.5 Host/Producer of Earth Matters (biweekly radio talk show), University of Manitoba

09/2005-05/2007

Hosted, organized and wrote interviews, produced and edited individual segments, managed and arranged guest hosts