

## Scott E. Malotka

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### Education

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**PhD, Ecology and Evolutionary Biology**, Department of Biological Sciences,  
University of Manitoba, Sept 2017- Present

Thesis Title: TBD  
Advisor: Dr. Jillian Detwiler

**M.S., Biology**, Department of Biological Sciences, Minnesota State University Mankato,  
Aug 2014- Aug 2017

Thesis Title: Patterns of trematode distribution from hosts collected at Lake  
Winnigiboshish, Minnesota.  
Advisor: Dr. Robert Sorensen

**B.A., Environmental Biology**, Department of Biology, Saint Mary's University of  
Minnesota, 2014

Thesis Title: Lampreys of the St. Joseph River Drainage in northern Indiana with  
an emphasis on the chestnut lamprey (*Ichthyomyzon castaneus*)  
Advisor: Dr. Phil Cochran

### Research Interests

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Parasite Community Ecology  
Host Specificity  
Parasite/Host Coevolution  
Trematode-Snail Interactions  
Herpetology

### Professional Experience

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2017-Present	Research Assistant, Department of Biological Sciences, University of Manitoba
2015-2017	Teaching Assistant Dept. of Biological Sciences, Minnesota State University Mankato <ul style="list-style-type: none"><li>• Introductory Biology I and II lab sections</li></ul>
2013-2015	Biological Technician, Minnesota Department of Natural Resources
2013	Geographic Information Systems Technician, Geospatial Services, Winona, Minnesota

## Grants and Scholarships

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2018	Marc Dresden Travel Award, American Society of Parasitologists (\$300)
2018	University of Manitoba Alumni Association Graduate Fellowship (\$1,000)
2018	University of Manitoba Faculty of Graduate Studies Travel Award (\$750)
2018	University of Manitoba Faculty of Science Travel Award (\$250)
2018	University of Manitoba Department of Biological Sciences Travel Award (\$250)
2017-2021	University of Manitoba Graduate Fellowship (\$72,000)
2017	Major G.E.H. Barret-Hamilton Memorial Scholarship, Department of Biological Sciences, University of Manitoba (\$8,625)
2017	University of Manitoba, International Graduate Student Entrance Scholarship (\$5,400)
2017	Minnesota State University Mankato Graduate School, Travel Grant (\$200)
2017	Minnesota State University Mankato College of Science, Engineering, and Technology, Travel Grant (\$200)
2017	Minnesota State University Mankato Department of Biological Sciences, Student Conference Travel Grant (\$333)
2016	Minnesota State University Mankato Department of Biological Sciences, Research Award (\$1,000)
2010-2014	Frankford Memorial Scholarship, Saint Mary's University of Minnesota (\$24,000)
2010-2014	Hiawatha Education Foundation Scholarship, Cotter High School (\$6,400)

## Honors Received

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2018	Rocky Mountain Conference of Parasitologists – Best Student Paper Award
2016	Beta Beta Beta Induction (National Biological Honor Society)
2014	Dean's List, Saint Mary's University of Minnesota
2010	Dean's List, Saint Mary's University of Minnesota
2009	National Honor Society Induction

## Publications

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**Malotka, S.E.** and Sorensen, R.E. (In prep). A Comparison of Adult and Larval Trematode Communities from Lake Winnibigoshish, Minnesota.

**Malotka, S.E.** and Sorensen, R.E. (In prep). Trematode Distribution within Waterfowl Hosts Collected from Lake Winnigiboshish, Minnesota.

Michels-Boyce, M., Pearson, B., **Malotka, S.E.**, and LeClere, J. (In review). *Plestiodon fasciatus* (Five-Lined Skink) Ectoparasites. Herpetological Review.

Cochran, P.A., **Malotka, S.E.**, and Deegan, D. 2015. Lampreys of the Saint Joseph River Drainage, with an Emphasis on the Chestnut Lamprey (*Ichthyomyzon castaneus*). *Proceedings of the Indiana Academy of Science*. 124(1):26-31.

## Contributed Presentations

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**Malotka, S.E.**, Gagnon, D.K., Brammer, J.R., and Detwiler, J.T. 2018. Sex-biased parasitism in muskrats (*Ondatra zibethicus spatulus*) from the Mackenzie River Delta. *Rocky Mountain Conference of Parasitologists*. Ogallala, Nebraska. Oral – Datus M. Hammond Award for Best Paper Presentation by a Graduate Student

**Malotka, S.E.**, Gagnon, D.K., Brammer, J.R., and Detwiler, J.T. 2018. Monitoring the health of Canada's arctic muskrats: relationships between body condition, parasites, and environmental contaminants. *American Society of Parasitologists Annual Meeting*. Cancún, Mexico. Oral

**Malotka, S.E.** and Sorensen, R.E. 2017. Trematodes of waterfowl hosts: patterns of distribution and association. *Annual Midwestern Conference of Parasitologists*. Wilmington, OH. Oral

Iverson, J.\* , Buttleman, R.\* , **Malotka, S.E.**, and Sorensen, R.E. 2017. Methods for ultrastructure study of larval trematodes collected from first and second intermediate snail hosts. *Annual Midwestern Conference of Parasitologists*. Wilmington, OH. Poster

Adam, A.\* , Jones, E.\* , **Malotka, S.E.**, and Sorensen, R.E. 2017. Parasite tissue in infected snail hosts. *Annual Midwestern Conference of Parasitologists*. Wilmington, OH. Poster

Friedman, B.\* , Van Beck, K.\* , **Malotka, S.E.**, and Sorensen, R.E. 2017. Survey of gastrointestinal parasites found in muskrats (*Ondatra zibethicus*) collected from lakes in southern Minnesota. *Minnesota State University, Mankato Undergraduate Research Symposium*. Mankato, MN. Poster

Iverson, J.\* , Buttleman, R.\* , **Malotka, S.E.**, and Sorensen, R.E. 2017. Ultrastructure of larval trematodes collected from Lake Winnibigoshish, Minnesota. *Minnesota State University, Mankato Undergraduate Research Symposium*. Mankato, MN. Poster

Adam, A.\* , Jones, E.\* , **Malotka, S.E.**, and Sorensen, R.E. 2017. Volume of parasite tissue relative to the volume of host tissue in infected snails. *Minnesota State University, Mankato Undergraduate Research Symposium*. Mankato, MN. Poster

**Malotka, S.E.** and Sorensen, R.E. 2017. Trematode distribution in first and second intermediate snail hosts collected from Lake Winnibigoshish, Minnesota. *Minnesota Chapter of the Wildlife Society Annual Meeting*. Callaway, MN. Oral

**Malotka, S.E.** and Sorensen, R.E. 2017. Larval trematode communities in pulmonate snails collected from northern Minnesota. *Midwest Fish and Wildlife Conference*. Lincoln, NE. Oral

**Malotka, S.E.** and Sorensen, R.E. 2016. Comparative trematode community structure in nine species of waterfowl collected from Lake Winnibigoshish, Minnesota. *Annual Midwestern Conference of Parasitologists*. Carbondale, IL. Oral

Strommen, L.\* , Teasley, M.\* , **Malotka, S.E.**, and Sorensen, R.E. 2016. Observations on the morphological characteristics of adult *Sphaeridiotrema pseudoglobulus* from Lake Winnibigoshish. *Annual Midwestern Conference of Parasitologists*. Carbondale, IL. Poster

**Malotka, S.E.** and Sorensen, R.E. 2016. Gastrointestinal Trematodes from Apparently Healthy Waterfowl Species Collected from Lake Winnibigoshish, Minnesota. *Minnesota Chapter of the Wildlife Society Annual Meeting*. Mankato, MN. Oral

Cochran P.A., **Malotka S.E.**, and Deegan D, 2014. Biology of Chestnut Lampreys (*Ichthyomyzon castaneus*) in the St. Joseph River Drainage in Northern Indiana. *Joint Annual Meeting of Ichthyologists and Herpetologists*. Chattanooga, TN. Oral

**Malotka, S.E.** 2014. Lampreys of the St. Joseph River Drainage in Northern Indiana with an Emphasis on the Chestnut Lamprey (*Ichthyomyzon castaneus*). Undergraduate thesis, 2014. *Saint Mary's University of Minnesota Biology Symposium*. Winona, MN. Oral

**Malotka, S.E.** 2013. Lampreys of the St. Joseph River Drainage in Northern Indiana, with an Emphasis on the Chestnut Lamprey (*Ichthyomyzon castaneus*). *Seven Rivers Undergraduate Research Symposium*. La Crosse, WI. Oral

\* Denotes Undergraduate Mentee

## Invited Oral Presentations

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2016	<b>Malotka, S.E.</b> Lamprey Diversity within the St. Joseph River Drainage in Indiana. Minnesota State University, Mankato. Mankato, MN.
2014	<b>Malotka, S.E.</b> Summer Research Experiences in Ichthyology and Herpetology. Saint Mary's University of Minnesota. Winona, MN.

## Courses Taught

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2018	Introductory Parasitology Laboratory
2016-2017	Introductory Biology I Laboratory
2015	Introductory Biology II Laboratory

## Service and Outreach

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2018	Volunteer, Verna J. Kirkness Science and Engineering Education Program (1 week program)
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2016-2017	Vice-President, Minnesota State University Mankato Student Subunit of the American Fisheries Society
2016	Resolutions Committee, Annual Midwestern Conference of Parasitologists
2016	Judge/ Southern Minnesota Regional Science and Engineering Fair
2015-2016	President, Minnesota State University Mankato Student Subunit of the American Fisheries Society
2015	Presenter/SCSC Science and Nature Conference
2014-2015	Secretary, Minnesota State University Mankato Student Subunit of the American Fisheries Society
2013	Judge/ Winona Middle School Science Fair

## Field Experience

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**U.S.A.** (2010-present): Indiana, Iowa, Minnesota, Virginia, Wisconsin

**International** (2017-present): Canada

### Techniques

Field: Mark-recapture methods, radio-telemetry, GPS, boat electrofishing, backpack electrofishing, trap-nets, gill nets, seines, small mammal trapping, terrestrial sampling (foot and road surveys, drift fences, venomous snake handling), snail collection

Laboratory: Parasite extraction, PCR, gel electrophoresis, slide staining, formalin/alcohol preservation, biostatistics, invertebrate care and husbandry

## Professional/Academic Societies

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Rocky Mountain Conference of Parasitologists (2018-present)

American Society of Parasitologists (2017-Present)

Manitoba Chapter of the Wildlife Society (2017-Present)

Society for the Study of Amphibians and Reptiles (2013-Present)

American Fisheries Society (2014-2017)

Annual Midwestern Conference of Parasitologists (2015-Present)

Minnesota Chapter of the Wildlife Society (2016-2018)

## References

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**Dr. Jillian Detwiler**, Assistant Professor, Department of Biological Sciences, University of Manitoba, 50 Sifton Road, Winnipeg, MB R3T 2N2, (204)-474-8689, Jillian.Detwiler@umanitoba.ca

**Dr. Robert Sorensen**, Professor, Department of Biological Sciences, Minnesota State University Mankato, 242 Trafton Science Center South, Mankato, MN 56001, (507)-389-1280, robert.sorensen@mnsu.edu

**Dr. Tanya Simms**, Laboratory Coordinator, Department of Biological Sciences, Minnesota State University Mankato, 242 Trafton Science Center South, Mankato, MN 56001, (507)-389-6423, tanya.simms@mnsu.edu