

Spencer K. Monckton

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EDUCATION

Ph.D. Biology

York University, Toronto ON

(In Progress)

M.Sc. Biology

York University, Toronto ON

May 2015

B.Sc. Hon. Biology

University of Ottawa, Ottawa ON

May 2011

RESEARCH & WORK EXPERIENCE

- 2017 - present **Ph.D. Thesis**, Dr. Laurence Packer, York University, Toronto ON
Title: Diversity and phylogeography of nematine sawflies (Hymenoptera: Tenthredinidae) in the Nearctic region, with special emphasis on the genus *Pristiphora*
Integrative systematic revision of nearctic species of *Pristiphora*, including a phylogeographic study of these insects across Northern Canada
- 2016 - 2017 **Science Contributor**, The Canadian Encyclopedia, Toronto, ON
Researched and wrote six encyclopedia articles on select insect groups using clear, layperson-friendly language and relevance to Canadian general public
- 2012 - 2015 **M.Sc Thesis**, Dr. Laurence Packer, York University, Toronto ON
Title: A revision of *Chilicola* (*Heteroediscelis*), a subgenus endemic to Chile
Systematics and biogeography of subgenus *Heteoroediscelis* as main objective; 6 months of fieldwork in Chile conducted
- 2012 **Assistant Curator**, Canadian National Collection of Insects, Agriculture and Agri-Food Canada, Ottawa ON
Curated a large section of the Coleoptera collection
- 2010 - 2011 **Honours Research Student**, Dr. Rees Kassen, University of Ottawa, ON
Title: Testing local adaptation through time in soil bacterial isolates

2009 **Field Assistant**, Dr. Risa Sargent, University of Ottawa, ON
Assisted in field and laboratory work, including ongoing research projects

TEACHING EXPERIENCE

Teaching Assistant, York University

Biodiversity (BIOL4255)	Lab Demonstrator	2018
General Entomology (BIOL4230)	Lab Demonstrator	2013, 2014 & 2017
Biology II (BIOL1001)	Lab Coordinator	2017
Biology II (BIOL1001)	Lab Demonstrator	2015
Animal Physiology (BIOL3060)	Lab Demonstrator	2014
Plants (BIOL2010)	Lab Demonstrator	2014
Animals (BIOL2030)	Lab Demonstrator	2012
Biology I (BIOL1000)	Marker	2012

Teaching Assistant, University of Guelph

Evolution (BIOL2400)	Lecture TA	2016
Invert Morphology & Evolution (ZOO2700)	Lab Demonstrator	2016

Teaching Assistant, University of Ottawa

Entomology (BIO3333)	Lab Demonstrator	2012
Animal Form and Function (BIO2135)	Marker	2011

PUBLICATIONS

1. Packer, L., **Monckton, S.K.**, Onuferko, T.M., Ferrari R.R. (2018). Validating Taxonomic Identifications in Entomological Research. *Insect Conservation and Diversity*, **11**:1-12. [doi:10.1111/icad.12284](https://doi.org/10.1111/icad.12284)
2. **Monckton, S.K.** (2016). A revision of *Chilicola* (*Heteroediscelis*), a subgenus of xeromelissine bees (Hymenoptera, Colletidae) endemic to Chile, taxonomy, phylogeny, and biogeography, with descriptions of eight new species. *ZooKeys*, **591**: 1-144. [doi:10.3897/zookeys.591.7731](https://doi.org/10.3897/zookeys.591.7731)
3. **Monckton, S.K.** (2014). Case 3670 - *Chilicola vicugna* Toro & Moldenke, 1979 (Insecta, Hymenoptera, COLLETIDAE): proposed replacement of the holotype by a neotype. *Bulletin of Zoological Nomenclature*, **71**(4): 234-236. [doi:10.21805/bzn.v71i4.a13](https://doi.org/10.21805/bzn.v71i4.a13)
4. Valenta, K., Miller, C.N., **Monckton, S.K.**, Melin, A.D., Lehman, S.M., Styler, S.A., Chapman, C.A., Lawes, M.J. (2016). Fruit ripening signals and cues in a Madagascan dry forest: haptic indicators reliably indicate fruit ripeness to dichromatic lemurs. *Evolutionary Biology*. [doi:10.1007/s11692-016-9374-7](https://doi.org/10.1007/s11692-016-9374-7)

5. Valenta, K., Brown, K.A., Melin, A.D., **Monckton, S.K.**, Styler, S.A. Jackson, D.A., Chapman, C.A. (2015). It's not easy being blue: a cost analysis of plant signal trade-offs. PLoS ONE, **10**(6): e0131725. [doi:10.1371/journal.pone.0131725](https://doi.org/10.1371/journal.pone.0131725)

RESEARCH PRESENTED

6. **Monckton, S.K.** (2017) Systematics and biogeography of the sawfly genus *Pristiphora* in the Nearctic. Presented at Toronto Entomologists' Association, Toronto, ON, 25 March
7. **Monckton, S.K.** (2015) *Chilicola* (*Heteroediscelis*): A revised group of Chilean bees. Presented at ESC-SEQ JAM 2015: Entomology in the Anthropocene, Montreal, QC, 9 November
8. **Monckton, S.K.** (2014) Describing a group of Chilean bees, *Chilicola* (*Heteroediscelis*). Presented at Ontario Ecology, Ethology, and Evolution Colloquium (OE3C), University of Guelph, 9 May
9. **Monckton, S.K.** (2014) Describing a group of Chilean bees, *Chilicola* (*Heteroediscelis*). Invited talk at Biodiversity Institute of Ontario, University of Guelph, 24 April
10. **Monckton, S.K.** (2012) Systematics of a subgenus of Chilean bees, *Chilicola* (*Heteroediscelis*). Presented at Southern Ontario Bee Researchers Symposium, Toronto, 23 November

HONOURS AND AWARDS

2018	Willi Hennig Society Kurt Milton Pickett Award	York University	\$1,200
2015-18	NSERC Postgrad. Scholarship PGS-D	York University	\$63,000
2016	Northern Scientific Training Program	University of Guelph	\$2,521
2013	NSERC Alexander Graham Bell CGS-M	York University	\$17,500
2013	Ontario Graduate Scholarship	Declined	\$15,000
2012-13	Graduate Scholarship	York University	\$21,000 / yr.
2012	C.D Fowle Scholarship in Ecology	York University	\$12,500