

**Christopher Angell**  
Evolutionary Ecologist & PhD Candidate  
[csangell11@gmail.com](mailto:csangell11@gmail.com) | [www.chris-angell.org](http://www.chris-angell.org)

### ***A. Professional Preparation***

<u>College/University</u>	<u>Major</u>	<u>Degree &amp; Year</u>
Earlham College	Biology	B.A. 2015
University of Ottawa	Biology	Ph.D. 2021 (expected)

### ***B. Academic & Professional Appointments***

2016 – Present:	Teaching Assistant, University of Ottawa
2015 – 2016:	Environmental Educator, Riverbend Environmental Education Center
2015 – 2016:	Program Director (2015) and Assistant Director (2016), Camp Dark Waters
2015:	Teaching Assistant, Earlham College

### ***C. Products***

#### Peer Reviewed Publications:

1. **Angell CS**, Oudin MJ, Rode NO, Mautz BJ, Bonduriansky R, and Rundle HD. 2020. Development time mediates the effect of larval diet on ageing and mating success of male antler flies in the wild. *Proceedings of the Royal Society B* (in press).
2. López-García J, **Angell C**, and Martín-Vega D. 2020. Wing morphometrics for the identification of Nearctic and Palaearctic Piophilidae (Diptera) of forensic relevance. *Forensic Science International* 309: 110192.
3. Charpentier CL, **Angell CS**, Duffy PI, and Cohen JH. 2020. Natural variations in estuarine fish, fish odor, and zooplankton photobehavior. *Marine and Freshwater Behaviour and Physiology* 52: 265-282.
4. **Angell CS**, Curtis S, Ryckenbusch A, and Rundle HD. 2020. Epicuticular compounds of *Protopiophila litigata* (Diptera: Piophilidae): identification and sexual selection across two years in the wild. *Annals of the Entomological Society of America* 113: 40-49.
5. **Angell CS** and Cook O. 2019. Natural variation in the growth and development of *Protopiophila litigata* (Diptera: Piophilidae) developing in three moose (Artiodactyla: Cervidae) antlers. *The Canadian Entomologist* 151: 531-536.
6. Yun L, Chen PJ, Kwok KE, **Angell CS**, Rundle HD, and Agrawal AF. 2018. Competition for mates and the improvement of nonsexual fitness. *Proceedings of the National Academy of Sciences* 115: 6762-6767.
7. Iverson JB, Klondaris H, **Angell CS**, and Tori WP. 2016. Olfaction as a cue for nest-site choice in turtles. *Chelonian Conservation and Biology* 15: 206-213.

#### Other Publications:

1. **Angell CS**, Janacek R, and Rundle HD. *In review*. Maternal and paternal age effects on male antler flies in the wild.
2. **Angell, C**. One moose's trash is another fly's treasure: antler flies teach biologists about love, life, and death. *The Raven: A Natural and Cultural History Digest* 60: 1-4.

#### Conference Presentations:

1. **Angell CS\*** and Rundle HD. 2020. The effect of diet on aging and lifespan of female and male antler flies (*Protopiophila litigata*). Oral presentation. Entomological Society of America

- Virtual Meeting.
2. **Angell CS\*** and Rundle HD. 2020. The effects of maternal and paternal age on the fitness of antler flies in the wild: a field experiment. Oral presentation. American Society of Naturalists Stand-Alone Meeting, Pacific Grove, California.
  3. López-García J\*, **Angell C**, and Martín-Vega D. 2019. Use of geometric morphometrics for the identification of Piophilidae (Diptera) species of forensic importance. Poster. European Association for Forensic Entomology Meeting, Bordeaux, France.
  4. **Angell CS\***, Curtis S, Ryckenbusch A, and Rundle HD. 2019. Natural perfume: how do antler flies choose their mates? Poster. Ottawa-Carleton Institute of Biology Symposium, Ottawa, Ontario.
  5. Yun L, Chen PJ, Kwok KE, **Angell CS**, Rundle HD\*, and Agrawal AF. 2018. Competition for mates and the improvement of nonsexual fitness. Oral presentation. II Joint Congress on Evolutionary Biology, Montpellier, France.
  6. **Angell CS\***, Oudin MJ, Rode NO, Mautz BS, Bonduriansky R, and Rundle HD. 2018. Diet and development time both affect mortality and mating rate, but not lifetime mating success, of a short-lived fly in the wild. Oral presentation. Canadian Society for Ecology and Evolution Annual Meeting, Guelph, Ontario.
  7. **Angell CS\***, Oudin MJ, Rode NO, Mautz BS, Bonduriansky R, and Rundle HD. 2018. Diet and development time both affect mortality and mating rate, but not lifetime mating success, in wild male flies. Poster. Ottawa-Carleton Institute of Biology Symposium, Ottawa, Ontario.
  8. Charpentier CL\*, **Angell CS**, Duffy PI, and Cohen JH. 2016. Quantifying fish kairomones in estuarine water: is kairomone-induced alteration of zooplankton photobehavior a laboratory artifact? Oral presentation. American Society of Limnology and Oceanography Summer Meeting, Santa Fe, California.
  9. Klondaris H\* and **Angell C**. 2014. Olfaction as a cue for nest site choice in painted turtles (*Chrysemys picta*) in Nebraska. Oral presentation. Butler Undergraduate Research Conference, Indianapolis, Indiana.

\*presenting co-author

#### ***D. Synergistic Activities***

- |                |   |
|----------------|---|
| 2016 – Present | Mentoring Undergraduate Researchers (Field/Lab Assistants and Honours Students), University of Ottawa   |
| 2020 – Present | Member of Biology Department Student Equity Committee, University of Ottawa   |
| 2017 – 2020    | VP Internal (2017-2018) and VP Finance (2018-2020), University of Ottawa Biology Graduate Students Association  |
| 2017 – 2019    | Scientific outreach in Algonquin Provincial Park including: Meet the Researcher day (2017-2019), Wildlife Research Weekend (2017), Wildlife Research Night (2017 and 2019), Ask the Researcher virtual Q&A (2020), and an article in <i>The Raven</i> natural history newsletter (2019) |
| 2019 – 2020    | Peer reviewer: Journal of Chemical Ecology (2), The American Naturalist (1), Behavioral Ecology (1)   |
| 2020           | Mentor in “Zoom-a-Review” peer review mentorship program for Behavioral Ecology   |