

# LISA CHAMBERLAND, PHD

POSTDOCTORAL SCHOLAR

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Department of Entomology and Nematology  
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## EDUCATION

- 2015 – 2020      **Doctor of Philosophy (PhD) in Biology**  
University of Vermont | Burlington, VT  
Advisor: Dr. Ingi Agnarsson  
*Dissertation title: From Gondwana to GAARlandia: Molecular phylogenetics and historical biogeography of spiders.*
- 2009 - 2013      **Bachelor of Arts (BA) in Biology and Anthropology**  
University of Vermont | Burlington, VT

## EMPLOYMENT & TITLES

- 2021-present      **Postdoctoral Scholar** | Advisor: Dr. Jason Bond | University of California, Davis  
2020-2021      **Invertebrate Collections Manager** | Zaddock Thompson Zoological Collections  
2015-2020      **Graduate Teaching Assistant** | The University of Vermont  
2019      **Graduate Research Assistant** | Dr. Sara Helms-Cahan Lab | The University of Vermont  
2018      **Lecturer** | Field Zoology course | The University of Vermont  
2018      **Assistant Teacher** | Vermont Commons School  
2013-2015      **Laboratory Research Technician** | The University of Vermont

## PUBLICATIONS

- Chamberland L**, Agnarsson I, Quayle IL, Ruddy T, Starrett J, Bond JE. 2022. Biogeography and eye evolution of the ogre-faced spiders. *Scientific Reports*, 12(1), 1-15.
- Chamberland L**, Salgado-Roa FC, Basco A, Cranz A, Binford G, Agnarsson I. 2020. Phylogeography of the widespread Caribbean spiny orb weaver *Gasteracantha cancriformis*. *Peer J*. 8:e8976
- Chamberland L**, McHugh A, Kechejian S, Binford GJ, Bond JE, Coddington J, Dolman G, Hamilton CA, Harvey MS, Kuntner M, Agnarsson I. 2018. From Gondwana to GAARlandia: Evolutionary history and biogeography of ogre-faced spiders (*Deinopis*). *Journal of Biogeography* 45(11):2442-2457
- Salgado-Roa FC, **Chamberland L**, Pardo-Diaz C, Cisneros-Herdia DF, Lasso E, Salazar C. 2022. Dissecting a geographical colourful tapestry: Phylogeography of the colour polymorphic spider *Gasteracantha cancriformis*. *Journal of Zoological Systematics and Evolutionary Research* 8112945
- Kuntner M, Čandek K, Gregorič M, Turk E, Hamilton CA, **Chamberland L**, Starrett J, Cheng RC, Coddington JA, Agnarsson I, Bond JE. Increasing Information Content and Diagnosability in Araneoid Spider Family Classification *Systematic Biology* (accepted pending minor revision)
- Khouri Z, **Chamberland L**, Bond J. Phylogenetic placement of mygalomorph taxa with no molecular data: proof-of-concept using total evidence Bayesian analysis (in prep)
- Starrett J, Jochim EEJ, Quayle IL, **Chamberland L**, Bond J. Species delimitation and phylogeography of *Promyrmekiaphila* (in prep)

## AWARDS & GRANTS

2020	The John Wheeler Graduate Student Research Award   \$2000
2019/2020	Graduate Teaching Assistant of the Year   Department of Biology   \$100
2018/2020	American Arachnological Society Systematics Research   \$1250 (combined total)
2016/2019	The University of Vermont Mini Travel Grant   \$900 (combined total)
2016	Sigma Xi Grant in Research Award (2016)   \$1000

## TEACHING

2022	<b>Guest lecture</b>   "Spider Sensory Systems"   University of California, Davis
2021	<b>Guest lecture</b>   "Spider Sensory Systems"   University of California, Davis
2015-2020	<b>Graduate Teaching Assistant</b>   Intro to Biology Lab   University of Vermont
2015-2019	<b>Graduate Teaching Assistant</b>   Field Zoology Lab   University of Vermont
2019	<b>Guest lecture</b>   "Eye evolution of the net-casting spiders"   The University of Vermont
2019	<b>Guest lecture</b>   "Distribution, DNA barcoding, and phylogenetics of Caribbean Calliphoridae flies: Tools for forensic studies"   The University of Vermont
2018	<b>Lecturer</b>   Field Zoology (fall semester)   University of Vermont
2018	<b>Assistant Teacher</b>   9th Grade Biology   Vermont Commons School

## OUTREACH & ACADEMIC SERVICE

2014-2023	<b>Mentor</b>   Led and taught lab and field techniques, molecular methods and data analyses, arachnology to high school (n=3), undergraduate (n=10), graduate (n=4) students resulting in publications on systematics, evolution, and biogeography of spiders
2022-2023	<b>Topic Editor</b>   Historical Biogeography: Arachnids as Model Organisms   Frontiers in Arachnid Science
2019-2023	<b>Journal referee</b>   <i>PeerJ</i> , <i>Systematic Biology</i> , <i>Zookeys</i> , <i>Applied Biology &amp; Biotechnology</i>
2022	<b>Co-Host</b>   the American Arachnological Society Summer Symposium   University of California, Davis
2022	<b>Organizer</b>   <a href="#">RAEL (Red de Aracnología Emergente Latina)</a> virtual event   American Arachnological Society Summer Symposium
2022	<b>Volunteer</b>   <a href="#">Eight-Legged Encounters</a>   Arachnological Society Summer Symposium
2020	<b>Co-organizer</b>   American Arachnological Society Virtual Summer Symposium
2020	<b>Volunteer coordinator</b>   Zadock Thompson Zoological Collections
2019	<b>Host</b>   "Introduction to biogeography and spiders of the Caribbean"   Vermont Commons School 8 <sup>th</sup> grade students visit arachnology lab
2018/2019	<b>Host</b>   Open House   Zadock Thompson Museum Invertebrate Collection
2020	<b>Host</b>   "Living Vermont" 7th graders visited field taxonomy museum   Zadock Thompson Museum Invertebrate Collection
2013-2014	<b>Upward Bound Teacher</b>   "Spiders of Vermont" course   The University of Vermont

## PRESENTATIONS & INVITED TALKS

2023	<b>Invited talk</b>   Entomology & Nematology Winter Seminar Series   University of California, Davis
2022	<b>Invited talk</b>   SDSU Department of Biology Seminar Series   San Diego State University
2022	Presentation   American Arachnological Society Summer Symposium   University of California, Davis
2020	Presentation   Department of Biology Dissertation Defense   University of Vermont
2020	Presentation   American Arachnological Society Virtual Summer Symposium
2020	Presentation   Biolunch Seminar   University of Vermont
2019	Presentation   American Arachnological Society Meeting   Lexington, VA
2019	Poster   American Arachnological Society Meeting   Lexington, VA

2019	Presentation   21th International Congress of Arachnology   Canterbury, NZ
2018	<b>Invited talk</b>   "Biogeography of the ogre-faced spiders"   Vermont Commons School
2018	Presentation   UVM Student Research Conference   University of Vermont
2017	Presentation   Biolunch Seminar   University of Vermont
2016	Presentation   UVM Student Research Conference   University of Vermont
2016	Presentation   Biolunch Seminar   University of Vermont
2016	Poster   20th International Congress of Arachnology   Golden, CO
2015	Presentation   Biolunch Seminar   University of Vermont