

LISA CHAMBERLAND, PHD

POSTDOCTORAL SCHOLAR

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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

- 2023-present **Postdoctoral Scholar** | Vector Genetics Laboratory | Advisor: Dr. Greg Lanzaro | University of California, Davis
- 2021-2023 **Postdoctoral Scholar** | Advisor: Dr. Jason Bond | University of California, Davis
- 2020-2021 **Invertebrate Collections Manager** | Zaddock Thompson Zoological Collections
- 2015-2020 **Graduate Teaching Assistant** | University of Vermont
- 2019 **Graduate Research Assistant** | Dr. Sara Helms-Cahan Lab | University of Vermont
- 2018 **Lecturer** | Field Zoology course | University of Vermont
- 2018 **Assistant Teacher** | Vermont Commons School
- 2013-2015 **Laboratory Research Technician** | University of Vermont

PUBLICATIONS

Kuntner M, Čandek K, Gregorič M, Turk E, Hamilton CA, **Chamberland L**, Starrett J, Cheng RC, Coddington JA, Agnarsson I, Bond JE. 2023. Increasing Information Content and Diagnosability in Family-Level Classifications. *Systematic Biology*. syad021

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

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)

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 **Guest lecture** | "Spider Sensory Systems" | University of California, Davis
2021 **Guest lecture** | "Spider Sensory Systems" | University of California, Davis
2015-2020 **Graduate Teaching Assistant** | Intro to Biology Lab | University of Vermont
2015/
2017-2019 **Graduate Teaching Assistant** | Field Zoology Lab | University of Vermont
2019 **Guest lecture** | "Eye evolution of the net-casting spiders" | The University of Vermont
2019 **Guest lecture** | "Distribution, DNA barcoding, and phylogenetics of Caribbean Calliphoridae flies: Tools for forensic studies" | The University of Vermont
2018 **Lecturer** | Field Zoology (fall semester) | University of Vermont
2018 **Assistant Teacher** | 9th Grade Biology | Vermont Commons School
2016 **Graduate Teaching Assistant** | Ecology and Evolution | University of Vermont

OUTREACH & ACADEMIC SERVICE

- 2014-2023 **Mentor** | 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 **Topic Editor** | Historical Biogeography: Arachnids as Model Organisms | *Frontiers in Arachnid Science*
2019-2023 **Journal referee** | *PeerJ*, *Systematic Biology*, *Zookeys*, *Applied Biology & Biotechnology*
2022 **Co-Host** | the American Arachnological Society Summer Symposium | University of California, Davis
2022 **Organizer** | [RAEL \(Red de Aracnología Emergente Latina\)](#) virtual event | American Arachnological Society Summer Symposium
2022 **Volunteer** | [Eight-Legged Encounters](#) | Arachnological Society Summer Symposium
2020 **Co-organizer** | American Arachnological Society Virtual Summer Symposium
2020 **Volunteer coordinator** | Zadock Thompson Zoological Collections
2019 **Host** | "Introduction to biogeography and spiders of the Caribbean" | Vermont Commons School 8th grade students visit arachnology lab
2018/2019 **Host** | Open House | Zadock Thompson Museum Invertebrate Collection
2020 **Host** | "Living Vermont" 7th graders visited field taxonomy museum | Zadock Thompson Museum Invertebrate Collection
2013-2014 **Upward Bound Teacher** | "Spiders of Vermont" course | The University of Vermont

PRESENTATIONS & INVITED TALKS

- 2023 Presentation | Pacific Branch Entomological Society Meeting | Seattle, WA
2023 **Invited talk** | Entomology & Nematology Winter Seminar Series | University of California, Davis
2022 **Invited talk** | 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 **Invited talk** | "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