

Laura M. Segura Hernández

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University of Nebraska-Lincoln, Nebraska, United States.

EDUCATION

- 2018-present University of Nebraska-Lincoln: PhD Student. School of Biological Sciences
- 2016-2018 University of Costa Rica: Licenciatura degree in Biology. Graduation with honors.
“*Searching for the source: inferring the origin of *Cyrtophora citricola* (Araneae: Araneidae) in America by using environmental comparison methods.*”
Supervisor: Gilbert Barrantes,
- 2011-2016 University of Costa Rica: Bachelor degree in Biology. Graduation with honors.

PUBLICATIONS

- 2018 Barrantes, G., **Segura-Hernández, L.**, Solano-Brenes, D & Hanson, P. When little is enough: cocoon web of *Kapogea cyrtophoroides* (Araneae: Araneidae) induced by *Hymenoepimecis heidyae* (Ichneumonidae: Pimplinae). *Arachnology Letters*, 55, 30-35.
- 2014 Hebets, E. A., Aceves-Aparicio, A., Aguilar-Argüello, S., Bingman, V. P., Escalante, I., Gering, E. J., Nelsen, D. R., Rivera, J., Sánchez-Ruiz, J. A., **Segura-Hernández, L.**, Settepani, V., Wiegmann, D. D. & Stafstrom, J. A. Multimodal sensory reliance in the nocturnal homing of the amblypygid *Phrynus pseudoparvulus* (Class Arachnida, Order Amblypygi)? *Behavioural processes*, 108, 123-130.

CONFERENCE PRESENTATIONS

- 2019 **Laura Segura-Hernández**, John Perez, Daniel Wiegmann; Verner Bingman & Eileen A. Hebets. Ticklish females: a sensory structure specialized to sense male stimuli in *Leucauge mariana* (Araneae, Tetragnathidae). *Behavior 2019*, Chicago, IL, USA. Poster.
- 2019 **Laura Segura-Hernández**, John Perez, Daniel Wiegmann; Verner Bingman & Eileen A. Hebets. Ticklish females: a sensory structure specialized to sense male stimuli in *Leucauge mariana* (Araneae, Tetragnathidae). *XXI International Congress of Arachnology*, Canterbury, New Zealand. Poster.
- 2019 **Laura Segura-Hernández**, Anita Aisenberg, Eric Vargas, Linda Hernández-Durán, William G. Eberhard & Gilbert Barrantes. Ticklish females: a sensory structure specialized to sense male stimuli in *Leucauge mariana* (Araneae, Tetragnathidae). *XXI International Congress of Arachnology*, Canterbury, New Zealand. Oral.
- 2017 **Segura-Hernández, L.**, Barrantes, G., Vargas, E., Hernández, L., Aisenberg, A. & Eberhard, W. Con pelos en el pecho: cortejo copulatorio masculino y decisiones femeninas en *Leucauge mariana* (Araneae: Tetragnathidae). *Congreso Latinoamericano de Aracnología*, Minas Gerais, Brazil. Symposium “Selección sexual postcopulatoria en arácnidos: conocimiento actual y perspectivas”.

- 2017 **Segura-Hernández, L.**, Barrantes, G., & Hebets, E. Es para comerte mejor: el rol de la visión y el olfato en la captura de presas de *Phrynus pseudoparvulus* (Amblypygi: Phrynidae). *Congreso Latinoamericano de Aracnología*, Minas Gerais, Brazil. Oral Presentation.
- 2017 **Segura-Hernández, L.**, García, A., & Barrantes, G. En busca del origen: Definiendo la procedencia de *Cyrtophora citricola* (Araneae: Araneidae), una especie invasora en América. *Congreso Latinoamericano de Aracnología*, Minas Gerais, Brazil. Poster.
- 2017 **Segura-Hernández, L.**, Barrantes, G., & Hebets, E. The role of vision and olfaction in the foraging behaviour of *Phrynus pseudoparvulus* (Amblypygi: Phrynidae). *American Arachnological Society Meeting*, Querétaro, Mexico. Oral Presentation.
- 2017 Barrantes, G., **Segura-Hernández, L.**, Solano-Brenes, D. & Hanson, P. Under the influence of *Hymenoepimecis heidyae* (Ichneumonidae: Pimplinae). *American Arachnological Society Meeting*, Querétaro, Mexico. Poster.
- 2016 **Segura-Hernández, L.**, García, A. & Barrantes, G. Expanding far from home: potential geographic occupancy of the invasive *Cyrtophora citricola* (Araneae: Araneidae) in America. *XX International Congress of Arachnology*, Denver, CO, USA. Poster.

AWARDS AND GRANTS

- 2019 School of Biological Sciences Special Funds, University of Nebraska-Lincoln (\$945)
- 2019 First place, XXI International Congress of Arachnology. Oral Student Presentation. (Behavior and Ecology category).
Oral presentation “Ticklish females: a sensory structure specialized to sense male stimuli in *Leucauge mariana* (Araneae, Tetragnathidae)”.
- 2019 American Arachnological Society Student Travel Award. (\$1000).
XXI International Congress of Arachnology, Canterbury, New Zealand.
- 2018- present Othmer Fellowship, University of Nebraska-Lincoln. (\$8000).
- 2017 Organization for Tropical Studies Glaxo Centro America Fellowship. (\$2327)
Project “The role of different sensory inputs in the prey capture behaviour of *Phrynus pseudoparvulus* (Arachnida: Amblypygi)”.
- 2016 Second place, XX International Congress of Arachnology Poster Competition (Systematics, Evolution and Biogeography category).
Poster presentation “Expanding far from home: potential geographic occupancy of the invasive *Cyrtophora citricola* (Araneae: Araneidae) in America”.
- 2016 American Arachnological Society Student Travel Award. (\$800).
XX International Congress of Arachnology, Denver, CO, USA.
- 2014 Organization for Tropical Studies Tuition Aid (\$1800).
Specialty Course “Ecology and Evolution of Arachnids”. January 3rd-17th.

SPECIALTY TRAINING

- 2018 Institute for International Teaching Assistants, University of Nebraska-Lincoln. July 23rd-August 3rd.
- 2017 Measurement of colors in organisms. University of Costa Rica. February 20th-24th.
- 2014 Taxonomy and Biology of Odonata. University of Costa Rica. February 17th-20th.
- 2014 Ecology and Evolution of Arachnids. Organization for Tropical Studies. Jan. 3rd-17th.
- 2012 Systematics, biology and biogeography of Neotropical Ephemeroptera. University of Costa Rica. July, 30th-August 3rd.

TEACHING AND PUBLIC OUTREACH

- 2019 Volunteer. Eight-legged encounters. *Outreach Fair*. Behavior 2019. Chicago, IL, USA. July 23rd.
- 2019 Teaching Assistant. LIFE121. *Fundamentals of Biology II Laboratory*. University of Nebraska-Lincoln.
- 2018 Teaching Assistant. BIOS101. *General Biology Laboratory*. University of Nebraska-Lincoln.
- 2018 Presenter and guide. *XXVII Taller de Biodiversidad. Programa de Educación Biológica*. Área de Conservación Guanacaste, Costa Rica. June 6th-8th.
- 2017 Teaching Assistant. B0482. *Biology of Spiders*. University of Costa Rica.
- 2017 Teaching Assistant. B0562. *Biosystematics of insects*. University of Costa Rica.
- 2015 Teaching Assistant. B0482. *Biology of Spiders*. University of Costa Rica.

ADDITIONAL RESEARCH EXPERIENCE

- 2017-2018 Research Assistant. Researcher Gilbert Barrantes, Animal Behavior. School of Biology. University of Costa Rica.
- 2016-2018 Research Assistant. Researcher Marcela Hernández. Research Center in Material Science and Engineering. University of Costa Rica. (CICIMA-UCR)
- 2013-2018 Curator Assistant. Spider Section, Zoology Museum, University of Costa Rica.
 - 2016 Research Assistant. Researcher Rebeca Mora. Center for Research in Cellular and Molecular Biology. University of Costa Rica. (CIBCM-UCR)
- 2013-2014 Laboratory Assistant. Butterfly Garden. School of Biology. University of Costa Rica.
 - 2012 Research Assistant. Aquatic Entomology Lab. Marine Science and Limnology Research Center. University of Costa Rica. (CIMAR-UCR)

LANGUAGES

- Spanish. Native language
- English. Intermediate-advanced level (TOEFL-iBT score 105)
- French. Basic level.