

Christina Anaya

Curriculum vitae

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Local Address:
Fort Myers Florida
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University Address:
Florida Gulf Coast University
Whitaker Hall 216
10501 FGCU Blvd
Fort Myers, Florida, 33965 USA

PROFESSIONAL EXPERIENCE AND APPOINTMENTS

Current: Assistant Professor, Florida Gulf Coast University (since 2021)
Fellow of the Leifur Eiriksson Foundation (since 2019)
Council Member-at-Large (elected), Am. Soc. of Parasitologists (2021-2024)

2020-2021 Postdoctoral Researcher, H.W. Manter Lab, University of Nebraska-Lincoln
2019-2020 Visiting Asst. Professor, Biology Department, Northern Michigan University
2014-2019 Graduate Teaching Asst., Dept. of Integrative Biology, Oklahoma State Univ.

EDUCATION

Ph.D. Oklahoma State University, Department of Integrative Biology Stillwater, OK. Advisor: Matthew Bolek. Dissertation Title: Comparative Study of Life Cycle Ecology and Host-Parasite Interactions of horsehair worms (Phylum Nematomorpha). July 2019

B.S. Biological Sciences. California Polytechnic State University, San Luis Obispo, CA. Advisor: David J. Keil. December 2010

PUBLICATIONS

Anaya, C. First Record of *Psorospermium* sp. (Class: Mesomycetozoea) in Northern Clearwater crayfish (*Orconectes propinquus*) from Michigan, U.S.A. *Zootaxa* 4981 (1):197-200
<https://doi.org/10.11646/zootaxa.4981.1.12>

Anaya, C, Bolek, MG. 2021 Is there life after parasitism? Survival, longevity, and oogenesis in *Acheta domesticus* (Orthoptera: Gryllidae) infected with the hairworm, *Paragordius varius* (Nematomorpha: Gordiidae). *Parasitology Research* <https://doi.org/10.1007/s00436-021-07173-0>

Anaya, C, Galbreath, KE, Bolek, MG. 2021. Morphological and molecular characterization of adult hairworms (Phylum Nematomorpha) from Iceland and the Faroe Islands, and documentations of their non-adult stages and hosts. *Zootaxa* 4927(2):234–256
<https://doi.org/10.11646/zootaxa.4927.2.4>

Anaya, C, Hanelt, B., Bolek, MG. 2021. Field and laboratory observations on the life history of *Gordius terrestris* (Phylum Nematomorpha), a terrestrial Nematomorph. *Journal of Parasitology*, 107(1):48-58. <https://doi.org/10.1645/20-53>

Anaya, C, Schmidt-Rhaesa, A, Hanelt, B, Bolek, MG. 2019. A new species of *Gordius* (Phylum Nematomorpha) from terrestrial habitats in North America. *ZooKeys* 892:59-75. <https://doi.org/10.3897/zookeys.892.38868>

Leong, K.H.L., M.A. Yoshimura, and **C. Williams**. 2012. Adaptive significance of previously mated monarch butterfly females (*Danaus plexippus* (Linnaeus)) overwintering at a California winter site. *Journal of the Lepidopterists' Society*. 66(4): 205-210. <https://doi.org/10.18473/lepi.v66i4.a3>

In Prep:

Anaya, C, Bolek, MG, Vredevoe, L. 2021. Parasite-induced alteration of feeding behavior and energy assimilation in female *Acheta domestic* crickets infected with hairworms (Nematomorpha: Gordiida). *Final draft stage*

Postdoctoral Work in progress for publication:

Anaya, C., Pucu de Arajuo, E, Gardner SL. 2021. New species descriptions of 8 species of lice from tuco tucos of Bolivia. *My responsibility here is the microphotography and writing of the publication.*

Anaya, C, Gardner, SL, Galbreath, KE. 2021. Problems and perspectives among the phylogenetic relationships in the Phylum Nematomorpha. *My contribution to this projection is the concept, development, molecular work, phylogenetic work, and writing.*

TEACHING EXPERIENCE

Visiting Assistant Professor, Northern Michigan Univ, Dept. of Biology Aug. 2019-May 2020

General Parasitology	BI 423	1 section lecture, laboratory
Comparative Anatomy	BI 221	2 lectures, 2 laboratories
Vertebrate Zoology	BI 322	1 lecture, 1 laboratory

(Virtual and classroom formats)

Graduate Teaching Assistant, OSU, Dept. of Integrative Biology. Aug. 2014-Aug. 2019

General Biology	ZOOL 1114	6 sections
Invertebrate Zoology	ZOOL 3104	3 sections -
Vertebrate Morphology	ZOOL 3114	1 section -
Human Physiology	ZOOL 3204	4 sections
Human Heredity	ZOOL 3123	1 section

Guest lecture, Invertebrate Zoology.
Guest lecture, Physiology.

Graduate Teaching Assistant, California Polytechnic State University, Biological Sciences
Department San Luis Obispo, CA Jan. 2011- Dec. 2013

General Biology	BIO 111	4 sections
General Botany	BOT 121	2 sections
Plant Diversity and Ecology	BIO 114	1 section

GRANTS, SCHOLARSHIPS AND FELLOWSHIPS

External Grants, Scholarships, and Fellowships (Total=\$47,900 as graduate student)

2018 Leifur Eiriksson Foundation Fellowship (\$25,000)
2017 Fulbright/NSF United States Student Scholarship to Iceland (2017-2018) (\$17,500)
2017 Annual Midwestern Conference of Parasitology Research Grant (\$500)
2017 Marc Dresden Student Travel Grant, American Society of Parasitologists (\$1900) *
2017 Philanthropic Education Organization, Oklahoma Projects Fund, Inc. (\$1500)
2016 Philanthropic Education Organization, Chapter U (\$500)
2010 American Assoc. of University Women, Atascadero Branch Scholarship Winner (\$1000)
2002 National Institute of Health Bridges to Baccalaureate Scholar

*Received 2012, 2015, 2016, 2017, 2018 (Total = \$1,900)

University Grants, Scholarships, and Fellowships (Total=\$14,590 as graduate student)

2018 Women's Faculty Council Student Research Award (\$750)
2018 Graduate & Professional Student Govt. Assoc. Travel Award (\$545)
2018 Hispanic/Latino Faculty & Staff Association, Dra. Cida Chase Scholarship (\$250)
2017 College of Arts and Sciences Dean's Excellence and Scholarship Fund (\$500)
2017 Women for OSU Philanthropy Student Scholarship (\$5000)
2016 Graduate & Professional Student Govt. Assoc. Travel Award (\$545)
2016 Creativity, Innovation, and Entrepreneurship Scholar, Spears College of Business (\$2000)
2014 Top Tier Graduate Fellowship, Oklahoma State University, Stillwater, OK (\$5000)

AWARDS AND HONORS

2019 College of Arts and Sciences Outstanding Teaching Asst. Award, Oklahoma St. Univ.
2018 Outstanding Poster Award Oklahoma Women Impacting STEM and Entrepreneurship, Oklahoma City, OK
2017 Wilhm Teaching Assistantship Award, Ph.D., Dept. of Integrative Biology
2017 2016-2017 Oklahoma State University's Outstanding Doctoral Student OSU President's Leadership & Service Recognition
2017 Herrick Award. Best Student Poster. Annual Midwestern Conference of Parasitologists, Wilmington, OH.
2017 Power of Business Award. Baylor University New Venture Competition. Team Leader, Christina Anaya: Redcedar Products

- 2017 Honorable Mention. Baylor University New Venture Competition. Team: Redcedar Products
- 2016 LaRue Award. Best Oral Presentation. Annual Midwestern Conference of Parasitologists. Southern Illinois University, Carbondale, IL
- 2016 Best Overall Student Presentation. Annual Midwestern Conference of Parasitologists. Southern Illinois University. Carbondale, IL. Travel Grant received
- 2016 Graduate and Professional Student Government Association Outstanding Graduate Teaching Assistant, Finalist
- 2016 Datus M. Hammond. Best Graduate Oral Presentation. Rocky Mountain Conference of Parasitologists. Cedar Point Biological Field Station. Ogallala, NE
- 2016 Best Lunchtime Seminar Award, OSU Department of Integrative Biology
- 2015 Meritorious Student Paper Award. American Society of Parasitologists Annual Conference. Omaha, Nebraska
- 2015 Datus M. Hammond Award. Best Graduate Student Poster Award. Rocky Mountain Conference of Parasitologists. Ogallala, Nebraska

RESEARCH EXPERIENCE

Harold W. Manter Museum of Parasitology Univ. of Nebraska-Lincoln 2020-present
 Dr. Scott L. Gardner, Curator

- Project 1: Parasite assemblages in pocket gophers of the Nebraska plains (My role is dissections, prepping and mounting of specimens, and assist with writing).
- Project 2: New species descriptions of 8 lice species of the Tuco-tucos of Bolivia (my role is microscopy and writing the publications).

Biology Department, Northern Michigan University. Marquette, MI 2019-2020
 Independent Research as Visiting Assistant Professor

- Project 1: Distribution of *Psorospermium haeckeli* in crayfish of the Upper Peninsula.
- Project 2: Molecular characterization of European hairworms (Phylum Nematomorpha)

Department of Integrative Biology, Oklahoma State University Stillwater, OK
 Doctoral Research 2014- 2019

Research Adviser: Dr. Matt Bolek

Doctoral Dissertation: Comparative Study of Life Cycle Ecology and Host-Parasite Interactions of Freshwater Hairworms (Phylum Nematomorpha)

Dept. of Aquaculture and Fish Biology, Hólar University College, Hólar, Iceland 2017-2018

Fulbright/National Science Foundation Arctic Research

Independent Research

Host: Dr. Bjarni Kristjánsson

- Project 1: Freshwater and Marine Snails as Parasite Biodiversity Indicators in Iceland
- Project 2: Examine the diversity and distribution of parasites using freshwater and marine snails in Iceland as baseline data for future climate research.

Dept. of Biological Sciences, California Polytechnic State University, San Luis Obispo, CA

Master's Thesis
2010-2014

Research Adviser: Dr. Larisa Vredevoe

Master's Thesis: The effect of macronutrient deficiencies and parasitism on the generalist omnivore, *Acheta domesticus* (Orthoptera: Acrididae)

Examined the effect of energy deficiencies including macronutrient deficiency and parasitism on female house crickets and the morphological and physiological consequences of those deficiencies.

Undergraduate Field Research, California Polytechnic State University, San Luis Obispo

Research Adviser: Dr. Frances Villablanca 2009-2011

Undergraduate Research: Quarterly project to conduct population status of the endangered kangaroo rat, *Dipodomys heermanni arenae* in the Guadalupe-Nipomo Dunes Wildlife Refuge. **1500+ trap nights**

Laboratory Research 2009

Research Adviser: Dr. Kingston Leong

Undergraduate Research: Examination of sperm storage in female Monarch butterflies at overwintering sites in California

Field Research 2009

Research Adviser: Dr. Frances Villablanca

Undergraduate Research: Survey for the endangered Morro Bay Kangaroo rat.

Field Research 2009-2010

Research Adviser: Dr. David Keil

Senior Project: Botanical Survey of Stadium Park, Atascadero, CA. Survey of botanical species and community structure.

INVITED TALKS

- 2020 Oct 29. Opening a can of worms: the discovery of the first terrestrial hairworm and new tools for evaluating the diversity of hairworms in terrestrial and aquatic habitats throughout Iceland. Biology Department Seminar. Michigan State University USA
- 2020 Feb. 13. Parasites and their Manipulative Ways. *Science on Tap*, Ore Dock Brewery
- 2019 Oct. Comparative Study of Life Cycle Ecology and Host-Parasite Interactions of horsehair worms (Phylum Nematomorpha). Biology Department Seminar, Northern Michigan University, USA
- 2019 Sept. 12. Parasites and their Manipulative Ways. Huron Mountain Club. Big Bay, Michigan, USA
- 2018 Nov 15. A year in the land of fire and ice: sampling parasites and experiencing traditions. Sierra Club Cimarron Group. Oklahoma City, OK, USA
- 2018 Jun 23. Relationship of feeding, growth, and parasitism in *Acheta domesticus* infected with *Paragordius varius* (Phylum: Nematomorpha). Symposium: Immunological and

- physiological interactions between insects and pathogens, American Society of Parasitologists, Cancun, Quintana Roo, Mexico
- 2018 Feb. 16. Opening a can of worms: host-parasite interactions of hairworms (Nematomorpha: Gordiida), the discovery of the first terrestrial hairworm and new tools for evaluating the diversity of hairworms in terrestrial and aquatic habitats throughout Iceland. University of Iceland, Reykjavík, Iceland
- 2017 Nov. 9. Opening a can of worms: host-parasite interactions of hairworms (Nematomorpha: Gordiida), the discovery of the first terrestrial hairworm and new tools for evaluating the diversity of hairworms in terrestrial and aquatic habitats throughout Iceland. Hólar University College, Sauðárkrókur, Iceland.
- 2017 Apr. 4. The General Ecology and Life Cycle of Hairworms. Philanthropic Educational Organization. Stillwater, OK.
- 2015 Oct. 15. Invasion of the mind-controlling parasites. Sierra Club Monthly meeting. Oklahoma City, OK.
- 2013 Jul. 10. Feast or Famine: The Nutritional Ecology of a Host-Parasite System. Yosemite National Park Naturalist Meeting.
- 2012 April. Introduction to hairworms. Atascadero High School. Atascadero, California.

CONFERENCE ACTIVITY

Symposia Organized

- 2019 July 11-14. Annual Student Symposium. American Society of Parasitologists. Preparing for and Navigating Your Parasitological Future.

Oral Papers Presented

- 2021 Anaya C. First Record of *Psorospermium* sp. (Class: Mesomycetozoea) in Northern Clearwater crayfish (*Orconectes propinquus*) from Michigan, U.S.A. American Society of Parasitologists. July 26-27, online presenter
- 2021 Anaya C, Galbreath K, Bolek MG. Apr. 16. First report of adult free-living hairworms, their host, and non-adult stages from Iceland. Iceland Ecological Society
- 2019 Anaya, C. July 11-15. Planning for Your Career in Parasitology. Annual Meeting of the American Society of Parasitologists, Student Symposium presenter.
- 2019 Anaya, C. July 11-15. The other Oklahoma land rush: field and experimental observations on a new *Gordius* sp. (Nematomorpha: Gordiida) with the first documented terrestrial life cycle for the phylum.
- 2019 Anaya, C. June 6-8. Sampling the Land of Fire and Ice: The First Documentation of Hairworms (Phylum Nematomorpha) in Iceland. Annual Midwestern Conference of Parasitologists, Mankato, MN.
- 2019 Anaya, C. April 14-17. Relationship of feeding, growth, and parasitism in *Acheta domesticus* infected with *Paragordius varius* (Phylum: Nematomorpha). Southwestern Branch Entomological Society, Tulsa, OK.
- 2018 Anaya, C. Sept. 6-8. Sampling the land of fire and ice: the first documentation of hairworms in Iceland. Rocky Mountain Conference of Parasitology, Ogallala, NE.

- 2017 Anaya, C., B. Hanelt, M.G. Bolek. Oct. 26-28. The discovery of the first terrestrial hairworm (Nematomorpha: Gordiida) and new tools for evaluating the diversity of hairworms in terrestrial and aquatic habitats throughout Iceland. Iceland Biological Society, Reykjavik, Iceland.
- 2017 Anaya, C., B. Hanelt, M.G. Bolek. Oct. 14. Freshwater and Marine Snails as Parasite Biodiversity Indicators in Iceland. Arctic Assembly. Reykjavik, Iceland.
- 2017 Anaya, C., B. Hanelt, M.G. Bolek. June 27-July. Land Ho! Field observations and experimentation on a new Gordius sp. (Nematomorpha: Gordiida) with the first documented terrestrial life cycle for the phylum. American Society of Parasitologists. San Antonio, TX.
- 2017 Anaya, C., B. Hanelt, M.G. Bolek. June 8-10. Field and experimental observations on a new Gordius sp. (Nematomorpha: Gordiida) with the first documented terrestrial life cycle for the phylum. Annual Midwestern Conference of Parasitologists. Wilmington, OH.
- 2017 Anaya, C., B. Hanelt, M.G. Bolek Apr. 23. Field and Experimental Observations on a new Gordius sp. (Nematomorpha: Gordiida) with the first terrestrial life cycle for the phylum. Central Ecology and Evolution Conference. Stillwater, OK.
- 2017 Anaya, C., B. Hanelt, M.G. Bolek Apr. 21. Land Ho! Field and Experimental Observations on a new Gordius sp. (Nematomorpha: Gordiida) with the first terrestrial life cycle for the phylum. Southwestern Association of Parasitologists. Lake Texoma, Kingston, OK.
- 2017 Anaya, C., B. Hanelt, M.G. Bolek Apr. 14. Living with parasitism: the pre- and post-partum effects of hairworm infection on the biology of *Acheta domesticus*. Southwestern Association of Naturalists. Lawton, OK.
- 2016 Anaya, C., B. Hanelt, M.G. Bolek. Sept. 8-10. Post-partum effects of parasitism of *Acheta domesticus* by *Paragordius varius*. Rocky Mountain Conference of Parasitologists. Ogallala, NE.
- 2016 Anaya, C. July 11-15. Effects of hairworm (Nematomorpha: Gordiida) infection on cricket reproductive output. American Society of Parasitologists. Edmonton, Alberta, Canada
- 2016 Anaya, C., L. Vredevoe, B. Hanelt June 9-11. Morphological and physiological effects of *Paragordius varius* (Nematomorpha: Gordiida) on the cricket host, *Acheta domesticus*. Annual Midwestern Conference of Parasitologists. Carbondale, IL.
- 2015 Williams, C., L. Vredevoe, B. Hanelt. June 25-28. Effects of *Paragordius varius* (Nematomorpha: Gordiida) on the cricket host, *Acheta domesticus*. Annual Meeting of the American Society of Parasitologists. Omaha, NE.
- 2015 Bolek, M. G., C. Szmygiel, R. Shannon, C. Williams, A. Schmidt-Rhaesa, and B. Hanelt. 2015. The diversity and surprising complexity of larval and cyst stages of gordiids (Nematomorpha): How many types are there? Annual Meeting of the American Society of Parasitologists. Omaha, Nebraska.
- 2014 Bolek, M. G., C. Szmygiel, R. Shannon, C. Williams, A. Schmidt-Rhaesa, and B. Hanelt. The diversity and surprising complexity of larval and cyst stages of gordiids (Nematomorpha): How many types are there? Annual Meeting of the Rocky Mountain

- Conference of Parasitologists, University of Nebraska Cedar Point Biological Station, Ogallala, Nebraska.
- 2014 Williams, C., Vredevoe, L., Hanelt, B. September 4-6. Chewing the Fat: The parasitic effects of a hairworm (*Paragordius varius*) on its cricket host (*Acheta domesticus*). Rocky Mountain Conference of Parasitologists Annual Meeting, Ogallala, Nebraska.
- 2014 Williams, C., Vredevoe, L., Hanelt, B. July 25. Feast and Famine: The nutritional ecology of a hairworm (*Paragordius varius*) on its cricket host (*Acheta domesticus*). American Society of Parasitologists, New Orleans, Louisiana.

Posters Presented

- 2018 Anaya, C. and Bolek, M.G. Sept. 14. Freshwater and marine snails as parasite biodiversity indicators in Iceland. OK Women Impacting STEM and Entrepreneurship. Oklahoma City, OK
- 2017 Anaya, C., Hanelt, B, Bolek, M.G. June 9, 2017. Effects of hairworm infection on diet, morphology and egg production of *Acheta domesticus*. Annual Midwestern Conference of Parasitologists. Wilmington, OH.
- 2017 Anaya, C., Hanelt, B, Bolek, M.G. April 20-22. The post-partum effects of hairworm infection on the biology of *Acheta domesticus*. Southwestern Association of Parasitologists. Kingston, Oklahoma.
- 2016 Anaya, C., Hanelt, B, Bolek, M.G. July 11-15. Observations on the life history of *Gordius* cf. *robustus* (Nematomorpha: Gordiida) from Oklahoma. Is this the first documented semi-terrestrial hairworm life cycle? American Society of Parasitologists. Edmonton, Alberta, Canada.
- 2016 Anaya, C., Hanelt, B, Bolek, M.G. June 9-11. Observations on the life history of *Gordius* cf. *robustus* (Nematomorpha: Gordiida) from Oklahoma. Is this the first documented semi-terrestrial hairworm life cycle? Annual Midwestern Conference of Parasitologists. Carbondale, IL.
- 2015 Williams, C., Bolek, M.G., Hanelt, B. September 10-12. Observations on the life history of *Gordius* cf. *robustus* (Nematomorpha: Gordiida) from Oklahoma. Is this the first documented semi-terrestrial hairworm life cycle? Rocky Mountain Conference of Parasitologists. Ogallala, Nebraska.
- 2013 Williams, C., Vredevoe, L., Hanelt, B. May 13. Feast or Famine: The Nutritional Ecology of a Host-Parasite System. College of Science and Mathematics Student Research Conference, California Polytechnic State University. San Luis Obispo, California.

CAMPUS OR DEPARTMENTAL TALKS

- 2021 February 18. Is there life after parasitism? Survival, longevity, and oogenesis in *Acheta domesticus* (Orthoptera: Gryllidae) infected with the hairworm, *Paragordius varius* (Nematomorpha: Gordiidae). HWML Seminar, UNL, Lincoln, Nebraska
- 2020 October 29. Opening a can of worms: the discovery of the first terrestrial hairworm and new tools for evaluating the diversity of hairworms in terrestrial and aquatic habitats throughout Iceland. HWML Seminar, UNL, Lincoln, Nebraska

- 2019 February 11. A year in the land of fire and ice: sampling parasites and the first documentation of hairworms (Phylum: Nematomorpha) in Iceland. Lunchtime Seminar, OSU, Stillwater, OK.
- 2017 March 6. Land Ho! *Gordius* cf. *robustus* (Nematomorpha: Gordiida) from Oklahoma. Is this the first semi-terrestrial hairworm life cycle? Department of Integrative Biology Lunchtime Seminar. Stillwater, OK.
- 2016 October 17. Post-partum effects of parasitism of *Acheta domesticus* by *Paragordius varius*. Department of Integrative Biology Lunchtime Seminar. Stillwater, OK.
- 2015 November 16. Observations on the life history of *Gordius robustus* from Oklahoma. Is this the first documented semi-terrestrial hairworm life cycle? Department of Integrative Biology *Lunchtime seminar* Stillwater, OK.
- 2014 Chewing the Fat: The nutritional ecology of a hairworm (*Paragordius varius*) and its cricket host (*Acheta domesticus*). College of Science and Mathematics Student Research Conference, San Luis Obispo, California.

PROFESSIONAL TRAINING AND PROFICIENCIES

Training

Collaborative Institutional Training Initiative-Certificate in Responsible Conduct of Research

Book Study: Teach Students How to Learn

Book Study: How Learning Works

Implicit Bias Training

Proficiencies

Microsoft Office Suite

Adobe Photoshop and Illustrator

Scanning Electron Microscopy

DNA Extraction methodologies and PCR

PAUP, MrBayes, FigTree, Tracer

R-Coding

SPSS, SAS, Minitab

SERVICE

Professional

Reviewer for Comparative Parasitology, Graellsia, Journal of Parasitology, Helminthologia, Parasitology Research, Spixiana

Society

Committee Service: American Society of Parasitologists

Parasite Week Coordinator, 2020-2021

Nominating and Tellers Committee, Chairperson, 2020-2021

Public Relations Committee 2019-2021

Co-chaired session in the Evolutionary Ecology II 2019

Co-chaired session in the Evolutionary Ecology II 2018

Student Representative American Society of Parasitologists 2018-2019

Developed the “Planning for and Navigating your Parasitology Career” for the Annual ASP Student Symposium.

Created the inaugural Palettes and Parasites Art Contest

Created the inaugural Meal-with-a-Mentor. 22 mentors and 48 time slots filled by 30 students.

Academic

Academic Planning Committee, Northern Michigan University	2019-2020
Undergraduate Student Mentoring	2011-2019
Developed Grad Student Workshop: How to Write Grants & Proposals	2019
Student Representative, Amer. Soc. of Parasitologists	2018-2019
HHMI: I Am Proud to be a Life Scientist	2015,2016, 2018
Developed Grad Student Workshop: How to Create Engaging Poster	2016
Student Sierra Club, Secretary	2016-2017
Developed Grad Student Workshop: Time Management	2015
Seminar Speaker Committee	2015-2017
Tri Beta Panelist: Undergraduate Research	2015
Karen L. Smith Undergraduate Research Symposium, judge	2015
Oklahoma State University Research Week, Moderator	2015

Community

Little Brothers, Friends of the Elderly	2019
Special Olympics Boosters, Stillwater, OK	2018-2019
Salvation Army thanksgiving Dinner	2014,2015
Wesley Foundation, Student Thanksgiving Dinner	2015
Sierra Club Outdoor Family Camping Insect Workshop	2015
Lake McMurtry Spring Celebration	2015
Into the Streets	2014
Parent-Teacher Association Atascadero, CA	2007-2013
Family Care Network, Holiday Event, San Luis Obispo, CA	2010
Hurricane Katrina Outreach, New Orleans Cal Poly Alternative Breaks	2009
Flying Samaritans, Dental Clinic, Mexico	2003

UNDERGRADUATE AND HIGH SCHOOL MENTORING- 2000+ hours

Northern Michigan University

Kathryn Kinsey Emily Bosley

Bolek Laboratory, Oklahoma State University

Lila Trainor	Zach Yarborough	Britney Bryan
Kenneth Rogers	Garrett Welch†	Diana Soriano*
Ayrianna Swanson*	Isabel Vester†	Amanda Keck**
Madison Houghton	Kenzie Hull	Madison Young
Taliah Williams*(**)	Tymara Nash*	Claire Gallagher
Gabriel Crow	Ela Baladjay	Adrienne Horner
Mia Milliner*	Melissa Daily	Abbi Wright**

Kaycee Forsythe
Beau Henneha*(**)
Katelyn Nelms
Maddie Machart
Jonathan Hinck

Scott Ninke
Kelsey Pierce
Kierra Dixon*(**)
Jordyn Taylor
Bailey Lagarde**

Camden Geary-Henderson
Drew Williams
Codi Sandefur
Cyrian Benhaim
Olivia Pires

Vredevoe Laboratory, California Polytechnic State University

Tyler Worley
Danielle Zezoff
Allie Gonzalez
Melissa Hollister

Hillery Nguyen
Olivia Origel
Jordan Landerman
Avity Norman

Jennifer Dunaj
Lindsey Day
Celeste McCormick
Chris Sherburne

*** indicates underrepresented minorities in STEM**

**** indicates Freshman Research Scholar**

† indicates high school student

Undergraduate Student Poster Presentations

Jordyn Taylor, C. Anaya. M.G. Bolek. April 2019. Non-adult survival of hairworms (Phylum: Nematomorpha) in extreme conditions. OSU Dept. of Integrative Biology Karen L. Smith Undergraduate Student Symposium.

Claire Gallagher, C. Anaya. M.G. Bolek. April 2019. Individual female fecundity in a terrestrial hairworm (Phylum: Nematomorpha). OSU Dept. of Integrative Biology Karen L. Smith Undergraduate Student Symposium.

Kierra Dixon, Beau Henneha, Bailey Lagarde, C. Anaya, M.G. Bolek. April 2019. The effect of hairworms (Phylum: Nematomorpha) on the diet of its cricket host, *Acheta domesticus* (Order: Orthoptera). OSU Dept. of Integrative Biology Karen L. Smith Undergraduate Student Symposium.

Amanda Keck, Abbi Wright, C. Anaya, M.G. Bolek. 2017. Defending Your parasite: the effects of hairworm infection on male cricket behavior. Howard Hughes Medical Institute Freshman Research Scholars Symposium

Taliah Williams, C. Anaya, M.G. Bolek. 2017. Mortality rate in *Acheta domesticus* post emergence of Nematomorpha. Howard Hughes Medical Institute Freshman Research Scholars Symposium

Claire Gallagher, Kaycee Forsythe, C. Anaya, M.G. Bolek. 2017. Prevalence of gordiid cysts in earthworms. Karen L. Smith Undergraduate Research Symposium.

Tymara Nash, C. Anaya, M.G. Bolek. 2017. Reproduction in crickets (*Acheta domesticus*) after parasitism by horse hair worms. Karen L. Smith Undergraduate Research Symposium.

Gabriel Crow, C. Anaya, M.G. Bolek. 2016. Survival of house crickets, *Acheta domesticus* after parasitism by the hairworm, *Paragordius varius* (Phylum: Nematomorpha). Karen L. Smith Undergraduate Research Symposium.

Kenneth Rogers, C. Anaya, M.G. Bolek. 2016. Density-dependent effects on body size of hairworms (Phylum: Nematomorpha). Karen L. Smith Undergraduate Research Symposium.

Ayrianna Swanson, C. Anaya, M.G. Bolek. 2016. Egg production in female house crickets, *Acheta domesticus* after parasitism by the hairworm, *Paragordius varius* (Phylum: Nematomorpha). Karen L. Smith Undergraduate Research Symposium.

Undergraduate Student Awards

1st Place Best Poster Presentation. 2017. Taliah Williams, C. Anaya, M.G. Bolek. Mortality rate in *Acheta domesticus* post emergence of Nematomorpha.

3rd Place Best Poster Presentation 2017 Amanda Keck, Abbi Wright, C. Anaya, M.G. Bolek. Defending Your parasite: the effects of hairworm infection on male cricket behavior. Howard Hughes Medical Institute Freshman Research Scholars Symposium

MEDIA COVERAGE/PRESS RELEASES/SPECIAL FEATURES

2021 Photographs features in *Extremely Gross Animals* by Claire Eamer from Kids Can Press, Canada
2019 <https://www.kqed.org/science/1937775/these-hairworms-eat-a-cricket-alive-and-control-its-mind>
2017 <https://news.okstate.edu/articles/osu-doctoral-student-pioneers-parasitology-research-iceland>
2017 <http://villagenews.com/education/local-graduate-conduct-research-iceland/>
2017 <https://www.ostate.tv/mpx/?play=49A2F661-67FE-A99F-1716-0DB30EC86E4F>
2017 <https://news.okstate.edu/articles/osu-doctoral-student-conduct-research-iceland>
2017 <https://spears.okstate.edu/news/2017/03/01/osu-teams-bring-home-47000-from-new-venture-competition/>

ACTIVE PROFESSIONAL SOCIETY AFFILIATIONS

2012 The American Society of Parasitologists
2014 Rocky Mountain Parasitologists Group
2015 Southwestern Association of Parasitologists
2015 Sigma Xi
2016 Entomological Society of America
2016 American Association of University Women
2016 Midwestern Association of Parasitologists
2017 Southwestern Association of Naturalists
2017 Icelandic Ecological Society
2017 Icelandic Biological Society
2021 Society for the Advancement of Chicanos/Hispanics and Native Americans in Science