

# Kevin Quinteros

PH.D. GENETICS AND GENOMICS

251 Bessey Hall 2200 Osborne Dr. Ames, IA 50011-4009

☎ (+1) 515-745-6616 | ✉ quinteroskevin93@gmail.com | 🏠 phylofignatoco.com/ | 📱 Kquinteros | 🐦 @Kev\_endQ

## Education

### Iowa State University

PH.D. IN GENETICS AND GENOMICS

Advisors: Dr. John D. Nason and Dr. Tracy A. Heath

Ames, Iowa

Aug. 2015 - May 2022

### Iowa State University

B.S. IN ANIMAL ECOLOGY AND BIOLOGY

Ames, Iowa

Aug. 2012 - May 2015

## Publications

The Postembryonic Transformation of the Shell in Emydine Box Turtles

Gerardo A. Cordero, Samantha Stearns, Kevin Quinteros, Chelsea M. Berns, Steven M. Binz, Fredric Janzen

*Evolution & Development* 21.6 (2019) pp. 297–310. 2019

Gene Network Variation and Alternative Oaths to Convergent Evolution in Turtles

Gerardo A. Cordero, Haibo Liu, Kokulapalan Wimalanathan, Rachel Weber, Kevin Quinteros, Fredric J. Janzen

*Evolution & Development* 20.5 (2018) pp. 172–185. 2018

Delayed Trait Development and the Convergent Evolution of Shell Kinesis in Turtles

Gerardo A. Cordero, Kevin Quinteros, Fredric J. Janzen

*Proceedings of the Royal Society B: Biological Sciences* 285.1888 (2018) p. 20181585. 2018

Skeletal Remodelling Suggests the Turtle's Shell is Not an Evolutionary Straitjacket

Gerardo Antonio Cordero, Kevin Quinteros

*Biology Letters* 11.4 (2015) p. 20150022. 2015

## Presentations

### Society for Advancement of Chicanos/Hispanics and Native Americans in Science National Conference

San Antonio, TX

PHYLOGEOGRAPHY OF A MEXICAN FIG WASP POLLINATOR: TESTING EFFECTS OF BIOGEOGRAPHY AND VICARIANCE

Oct. 2018

Oral Presentation, Evolution and Ecology Section

### Evolution

Montpellier, France

PHYLOGEOGRAPHY OF A MEXICAN FIG WASP POLLINATOR: TESTING EFFECTS OF BIOGEOGRAPHY AND VICARIANCE

Aug. 2018

Poster Presentation

### Smithsonian Tropical Research Institute: Bambi Lecture Series

Barro Colorado Island, Panama

CO-EVOLUTION AND MAINTENANCE OF AN OBLIGATE MUTUALISM

Mar. 2017

Oral Presentation

### Evolution

Portland, OR

DATING THE DIVERSIFICATION OF THE PAPER WASPS (GENUS *Polistes*) UNDER THE FOSSILIZED BIRTH-DEATH PROCESS

Jun. 2017

Poster Presentation

### Society for Advancement of Chicanos/Hispanics and Native Americans in Science National Conference

Long Beach, CA

PHYLOGENETIC RECONSTRUCTION OF THE PAPER WASP GENUS *Polistes* (HYMENOPTERA: VESPIDAE)

Oct. 2016

Oral Presentation, Evolution and Ecology Section

## Teaching Experience

## Biological Evolution

INSTRUCTOR ON RECORD

Modified course material, set-up course website, administrated exams and graded assignments

3cr, BIOL 315

Fall 2020

## Biological Evolution

ONLINE INSTRUCTOR

Modified course material, set-up course website and graded assignments

3cr, BIOL 315 XW

Summer 2017

## Undergraduate Seminar: Applying to Graduate School

CO-INSTRUCTOR

Co-developed seminar that helped students understand the graduate school application process

1 cr, BIOL 496

Spring 2016

## Grant Awards

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### TRAVEL & CONFERENCE

\$ 250	<b>Professional Development Grant</b> , Iowa State University	2019
\$ 400	<b>Interdepartmental Genetic and Genomics Program Travel Fund</b> , Iowa State University	2019
\$ 250	<b>Professional Development Grant</b> , Iowa State University	2018
\$500	<b>Interdepartmental Genetic and Genomics Program Travel Fund</b> , Iowa State University	2018
\$ 750	<b>Center For Global &amp; Regional Environmental Research</b> , University of Iowa	2018
\$ 2282	<b>Stanely W. Watson Foundation Education Fund</b> , Stanely W. Watson Foundation	2017
\$1000	<b>Interdepartmental Genetic and Genomics Program Travel Fund</b> , Iowa State University	2016

### RESEARCH

\$138,000	<b>National Science Foundation: Postdoctoral Research Fellowships in Biology</b> , Advisor: Carlos A. Machado	2022
\$11,000	<b>Baker Center Graduate Research Assistantship</b> , Iowa State University	2022
\$3000	<b>Department of Ecology, Evolutionary and Organismal Biology Finch Fund</b> , Iowa State University	2020
\$2500	<b>Department of Ecology, Evolutionary and Organismal Biology Finch Fund</b> , Iowa State University	2018
\$1400	<b>Center For Global &amp; Regional Environmental Research</b> , University of Iowa	2017
Tuition	<b>Graduate Minority Assistantship Program (GMAP) Fellowship</b> , Iowa State University	2016

## Outreach & Service

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### Graduate Mentor

UNDERGRADUATE RESEARCH (BIOL 490)

Mentee: Isabella Sitzmann

Iowa State University

2019 - 2020

### Graduate Mentor

IOWA STATE UNIVERSITY RONALD E. MCNAIR POST-BACCALAUREATE ACHIEVEMENT PROGRAM

Mentee: Estefany Argueta

Iowa State University

2018-2020

### Chapter President

SOCIETY FOR ADVANCEMENT OF CHICANOS AND NATIVE AMERICANS IN SCIENCE CHAPTER

Develop chapter programming and organize operation

Iowa State University

2018 - 2020

### Scholarship Organizer

5K FOR DACA/ LATINX STUDENT LEADERSHIP COUNCIL SCHOLARSHIP

Fundraised, develop application and managed scholarship application review committee

Iowa State University

2019

### Recruitment

INTERDEPARTMENTAL GENETICS PROGRAM

Representative of Iowa State University Graduate Programs at the SACNAS National Conference

ISU Graduate College

2016, 2017, 2018, 2019

### Chapter Secretary

SOCIETY FOR ADVANCEMENT OF CHICANOS AND NATIVE AMERICANS IN SCIENCE CHAPTER

Develop and organize chapter programming and operation

Iowa State University

2016-2018

## Graduate Mentor

IOWA STATE UNIVERSITY RONALD E. MCNAIR POST-BACCALAUREATE ACHIEVEMENT PROGRAM

Mentee: David Ortiz

*Iowa State University*

*2016-2017*

## Honors

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### Outstanding ISU Science Bound/College of Agriculture and Life Sciences

COLLEGE OF AGRICULTURE AND LIFE SCIENCE

*Iowa State University*

*2020*

### Ford Foundation Dissertation Fellowship: Honorable Mention

NATIONAL ACADEMIES OF SCIENCES, ENGINEERING, AND MEDICINE

*Iowa State University*

*2020*