

# Bryan Guevara

Bio. Building 159, 1001 E 3<sup>rd</sup> St., Bloomington, IN 47405  
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## EDUCATION

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- 2023 – Present      PhD. Evolution, Ecology, and Behavior. Indiana University.  
Advisor: Jennifer Lau, PhD
- 2019 – 2023        B.S. (Honors). Biology, University of Iowa.  
Environmental Science Minor.

## RESEARCH & WORK EXPERIENCE

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2021 – 2023	Undergraduate Researcher. University of Iowa. PI: Maurine Neiman, PhD. <ul style="list-style-type: none"><li>Designed and executed project investigating the effects of plastics on sperm morphology in male New Zealand mud snails.</li></ul>
2022	Undergraduate Researcher. Princeton University. PI: Ricardo Mallarino, PhD. <ul style="list-style-type: none"><li>Investigated the functionality of rapidly evolving regulatory elements across gliding marsupials.</li></ul>
2020 – 2021	Undergraduate Research Assistant. Carver College of Medicine. PI: Dao-Fu Dai, MD, PhD. <ul style="list-style-type: none"><li>Assisted with ongoing projects studying the effects of a lack of klotho on memory function and cognition and methods to reduce paraproteinemia-induced kidney damage in mice.</li></ul>

## PRESENTATIONS

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- 2023                    ICRU SURF, University of Iowa, poster presentation; “Assessing the effects of plastic exposure on sperm morphology.”
- 2022                    ICRU FURF, University of Iowa, poster presentation; “Assessing the effects of plastic exposure on sperm morphology.”
- 2022                    Princeton EEB Scholar Research Symposium, Princeton University, poster presentation; “Assessing the effects of plastic exposure on sperm morphology.”
- 2022                    SURP, Princeton University, poster presentation; “Functional testing of rapidly evolving regulatory elements across gliding marsupials.”
- 2022                    ICRU SURF, University of Iowa, poster presentation; “Identifying the genetic basis of a rare sinistral phenotype in a right-coiling snail.”

- 2021 ISA Winter Symposium, University of Iowa, oral presentation; “Identifying the genetic basis of a rare sinistral phenotype in a right-coiling snail.”
- 2021 ICRU SURS, University of Iowa, poster presentation; “Reduction of paraproteinemia caused kidney damage in murine models.”

## **FELLOWSHIPS & AWARDS**

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- 2023 President’s Diversity Fellowship
- 2022 – 2023 Latham Science Engagement Fellowship
- 2022 Princeton EEB Scholar
- 2022 Linda & Rick Maxson Undergraduate Research Award
- 2021 – 2023 NIH MARC Scholarship
- 2020 – 2021 Biology Scholarship
- 2019 – 2023 Iowa Scholars Award
- 2019 – 2023 Advantage Iowa Award

## **PROFESSIONAL DEVELOPMENT & ENGAGEMENT**

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- 2021 – 2023 American Resiliency Board Member. American Resiliency (Climate Nonprofit Organization).
- 2021 – 2023 Iowa Sciences Academy Peer Mentor. University of Iowa.
- 2021 – 2023 Member, Host. Iowa City Science Booster Club.
- 2021 – 2023 Executive Committee Member. SACNAS Chapter, University of Iowa.
- 2021 – 2023 Committee Chair. University of Iowa, Department of Biology DEI Peer Mentoring Committee.

## **MENTORING EXPERIENCE**

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### ***Undergraduates***

- 2022 – 2023 S.C., University of Iowa (Iowa Sciences Academy Mentee)
- 2021 – 2022 S.R., University of Iowa (Iowa Sciences Academy Mentee)

### ***High School Students***

- 2022 – 2023 Y.T., University of Iowa (Secondary Student Training Program Mentee)
- 2021 – 2022 N.P., University of Iowa (Secondary Student Training Program Mentee)