

Tasman Rosenfeld

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Research interests: convergent phenotypic evolution, interplay of evolutionary and ecological contingency, herpetology, paleobiology, conservation, biogeography of Honduran herpetofauna

EDUCATION

Yale University, New Haven, CT

B.S. Earth and Planetary Sciences

GPA: 3.73/4.0, May 2022

Harvard University, Cambridge, MA

M. Ed. Teaching and Teacher Leadership

Expected May 2024

TEACHING EXPERIENCE

Anatomy and Physiology Teacher, Codman Academy, Cambridge, MA

August 2023 — December 2023

- Taught anatomy and physiology to juniors and seniors interested in medical careers
- Experiential curriculum was aligned with an external, case-based enrichment program at Harvard Medical School

Biology Teacher, Cambridge-Harvard Summer Academy, Cambridge, MA

July 2023

- Taught credit recovery Biology to high school students as part of a team of teachers pursuing licensure in science
- Implemented a project-based, culturally responsive curriculum centered on urban ecology and community food production in Cambridge

Upper School Science Faculty, Grandview Preparatory School, Boca Raton, FL

August 2022 — May 2023

- Designed curricula for and am instructing two original, experience-based courses to 9th-12th graders: Organismal Biology and Earth and Environmental Science
- Blend lectures and discussions for seminar-style instruction
- Prepare, execute, and grade daily activities, projects, and assessments
- Plan and lead monthly field trips to various sites across Florida for hands-on learning
- Facilitate individualized learning in small class environment
- Introducing students to primary literature and supporting original research
- Plan and lead multi-day field experiences each semester to distant destinations (fall: North Florida; spring, Arizona)

EPS 270 (Herpetology) Field Teaching Fellow, Yale University, New Haven, CT

Spring semester 2020

- Planned and led field trips across Connecticut, introducing undergraduate and graduate students to various methods for sampling amphibians and reptiles
- Set up and graded lab and field activities
- Hosted virtual field trips after switch to remote learning during pandemic

EPS 800 (Evolution of Lizards) Field Teaching Fellow, Yale University, New Haven, CT

Spring semester 2019

- Planned and led field trips across Connecticut, introducing graduate students and curatorial staff to various methods for sampling lizards
- Planned and led field trip to Florida Everglades over spring break

Teacher, Splash! and Sprout! At Yale, New Haven, CT

Fall 2018, Spring 2019, Fall 2019, Spring 2020

- Designed and instructed short (single or multi-day) courses for middle and high school students from Greater New Haven area
- My “The Search for Aliens” and “Herpetology” courses were the highest rated courses offered during each program

Student Teacher, Grandview Preparatory School, Boca Raton, FL

- Designed curricula for and instructed Field Biology course for fellow 9th-12th grade students with assistance from faculty instructor
- Gave lectures, planned daily activities, and administered and created rubrics for (but did not grade) assessments
- Planned and led field trips across state of Florida for hands-on learning
- Planned and led multi-day field trips each semester to distant destinations (fall: southern Georgia; spring: northern California)

RELATED EXPERIENCE

Outreach Coordinator, Florida Wildlife Federation, Boca Raton, FL

September 2022 — present

- Plan and lead volunteer opportunities (environmental clean ups, letter writing, concerts/art shows, etc.) for activists and artists across the state
- Plan and lead field trips for students and supporters across the state
- Coordinate civic action with high school and college students through lobbying efforts in local South Florida offices
- Write policy recommendations on environmental issues in southeast Florida and across the state, with a focus on the conservation of amphibians, reptiles, and invertebrates

Co-founder/Chief Executive Officer, SciTeens, Boca Raton, FL and New Haven, CT

August 2017 — May 2020

- Founded SciTeens to support high school science students from underprivileged backgrounds through research skills instruction, mentor matching, and peer networking on a free, online interactive platform (sciteens.org)
- Led the organization through startup incubators at Yale and MIT
- Raised over \$20,000 in funding

RESEARCH EXPERIENCE

Losos Evolutionary Ecology Lab, Washington University

Graduate Researcher

August 2023 – Present

Yale Analytical and Stable Isotope Center Lab, Yale University

Undergraduate Researcher

January 2022 – May 2022

Gauthier Vertebrate Paleobiology and Evolutionary Development Lab, Yale University

Undergraduate Researcher

January 2019 – May 2022

Muñoz Evolutionary Physiology Lab, Yale University
Undergraduate Researcher, Salamander Husbandry Assistant
August 2021 – June 2022

Wiens Phylogenetic Biology Lab, University of Arizona (Remote)
Undergraduate Researcher
June 2020 – August 2021

PUBLICATIONS

Rosenfeld, T. 2022. Humans as vectors of fungal pathogens in wildlife: Examining cases in bats, amphibians, and snakes to mitigate future emergence. *The Yale Undergraduate Research Journal*, 3 {in press}
Rosenfeld, T. 2021. *Sistrurus miliarius barbouri* (Dusky Pygmy Rattlesnake) Diet. *Herpetological Review*, 52(2):433.
Rosenfeld, T., P. Tomborello, and N. Ziegler. 2020. The First Record of *Tarentola ephippiata* (O'Shaughnessy, 1875) (Phyllodactylidae) in North America. *Reptiles and Amphibians* 26(3):262-263.
Rosenfeld, T., C. J. Baker, P. Tomborello, and M. Theurer. 2020. *Dasypeltis confusa* Geographic Distribution. *Herpetological Review*, 51(1):78-79.

PRESENTATIONS

Rosenfeld, T., J. A. Wostbrock, and J. A. Gauthier. (2022). Triple oxygen isotopes from skeletal carbonates as a proxy for habitat in extant and extinct *Testudines*. Oral Presentation. Annual Meeting of the Society of Vertebrate Paleontology. Toronto, Ontario. November 2, 2022.
Rosenfeld, T. Standing up for the little guys. Oral Presentation. TEDxYouth@NBPS. Coconut Creek, Florida. November 10, 2018.

GRANTS AND AWARDS

McDonnell Fellowship, Washington University (2023)
Yale Analytical and Stable Isotope Center Student Grant, Yale University (2021)
Karen L. Von Damm Fellowship, Yale University (2018, 2019, 2020, 2021)
IDEAS Social Innovation Finalist, Massachusetts Institute of Technology (2019)
Youth Educator of the Year, Florida Wildlife Federation (2018)
Startup Accelerator Pitch-Off Winner, Tsai Center for Innovative Thinking at Yale University (2018)
Entrepreneur Fair Winner, National Society of High School Scholars (2018)
Excelsior Award, Grandview Preparatory School (2018)

LANGUAGES

Mandarin (speaking: intermediate, writing: intermediate, reading: intermediate)
Spanish (speaking: intermediate, writing: intermediate, reading: advanced)

SKILLS

Field – trapping (pitfall, camera, aquatic), venomous snake handling, specimen field prep, PIT tagging, 4x4, radio telemetry, plaster jacketing, mist netting
Lab/Technical – triple O isotope analysis, osmometry, keeping and rearing reptiles and amphibians, basic R, DSLR macrophotography