

# Joneel Zinto

[joneelzinto@ku.edu](mailto:joneelzinto@ku.edu)

Department of Geology – University of Kansas  
Slawson Hall, Room 170

## Education

---

### **Current: Aspirant M.S Geochronology**

University of Kansas

### **December 2021: B.S. in Earth Science – Geology Emphasis**

University of California, Santa Barbara

## Research Interests

---

Use U-Pb geochronology analytical methods for investigations into tectonics and the sedimentary record.

Current Master's research project under Noah McLean: Methods in U-Pb ID-TIMS carbonate geochronology

## Publications

---

Eliel S.C. Anttila<sup>1</sup>, Francis A. Macdonald<sup>2</sup>, **Joneel Zinto**<sup>2</sup>, Max D. Britt<sup>3</sup>. The Real McCoy: Great Unconformity source-to-sink on the rifted passive margin of Laurentia, Earth and Planetary Science Letters, Volume 642, 2024, 118852, ISSN 0012-821X, <https://doi.org/10.1016/j.epsl.2024.118852>.

## Conference Presentations

---

### Oral Presentations

Zinto, J., et al. (March, 2022) *TECTONOSTRATIGRAPHIC ANALYSIS OF THE NEOPROTEROZOIC MCCOY CREEK GROUP IN THE NORTHERN EGAN RANGE, EASTERN NEVADA*. Neo-Insights into the Neoproterozoic of Western North America. GSA Joint Cordilleran Meeting 2022, Las Vegas, Nevada.

### Poster Presentations

Zinto, J., et al. (October, 2021) *TECTONIC AND STRATIGRAPHIC MAP OF LATE NEOPROTEROZOIC MCCOY GROUP AT COCOMONGO MOUNTAIN, EGAN RANGE, NEVADA*. Poster presented at GSA Connects 2021, Portland, Oregon.

## Research Experience

---

- **August 2021-2024** Sedimentary and detrital zircon analysis of the Ediacaran McCoy Creek Group in the western United States; insights into the glacial and tectonic Neoproterozoic to Cambrian margin of western Laurentia. Work is coordinated under Francis Macdonald, myself, and PhD student Eliel Antilla.
- **July-September 2022-2023** Field assistant for PhD student Adrian Tasistro-Hart, and research into the Tonian to Ediacaran glacial and tectonic history of Namibia. Work included geologic mapping, measuring sections, sample collecting, and drone imaging. Present tasks involve sample processing for detrital zircon/absolute zircon ages, shale Nd isotope geochemistry, and carbonate chemostratigraphy

- **January 2021** Field assistance for master student Sam Lobianco, detrital zircon, and tectonic analysis of Meso-Neoproterozoic Pahrump Group in the southeastern Death Valley area

## Professional Experience

---

### Current

Research in U-Pb ID-TIMS geochronology that involves clean lab sample preparations and operations of the Phoenix TIMS.

### Lab Assistant (December 2021- 2023)

*Earth Science – University of California, Santa Barbara*

Handling and processing sample material for zircon geochronology, carbonate chemostratigraphy, and shale neodymium isotope geochemistry

- Maintaining supplies, conditions, and etiquette within the lab room
- Advising undergraduates through sample processing methods

### Teaching Assistant

University of Kansas – Department of Geology Graduate Teaching Assistant

*Earth Science – Santa Barbara City College*

- **Fall Semester 2019** Energy and Natural Resources teaching assistant
- **2018-2019** Tutored for various field classes to the Eastern Sierras, Death Valley, the Colorado Plateau, and summer field modules.

## Awards in Geology

---

### University of California, Santa Barbara

- The Department Field Award, 2021.
- The Outstanding Academic Achievement Award, 2021

### Santa Barbara City College

- Earth Science Community Outreach Award, 2019
- Earth Science Community Outreach Award, 2018.
- Ronald A Chromy Memorial Scholarship, 2018.
- Doug McGibbon Field Award, 2018.
- Academic Achievement Award, *California Coastal Chapter American Petroleum Institute, 2018.*

## References

---

### Francis Macdonald, Professor of Geology

Department of Earth & Planetary Science

307 McCone Hall

Berkeley, CA 94720-4767

Phone: (510) 642-3993

[francism@berkeley.edu](mailto:francism@berkeley.edu)

### Matt Rioux, Associate Teaching Professor

Department of Earth Sciences

1116 Webb Hall

University of California at Santa Barbara, Santa Barbara, CA 93106

617-771-9317

[rioux@eri.ucsb.edu](mailto:rioux@eri.ucsb.edu)