



GeoClub  
Best Graduate  
Student Instructor  
Award

Heidi O'Hora

**2021 Student Awards**







GeoClub  
Best Professor  
Award

Jena Johnson

**2021 Student Awards**







# Alumni Undergraduate Award

## Hannah Bartlett

In Recognition of Excellence and  
Service to the Department

*She is passionate about geology and our planet as well as her own personal hobbies. She is also one of the undergraduate representatives of GeoClub and has lots of cool ideas about events and has shared with me some ideas for artwork and graphic design that she wants to try and incorporate into club paraphernalia. Hannah is very kind, creative, and spirited, and a great person to work with, and we are thrilled to be giving her this award.*

# 2021 Student Awards







# Alumni Undergraduate Award

## Claire Zwiers

In Recognition of Excellence and  
Service to the Department

*Claire is always thinking critically about her class subject matter, asking really thoughtful and insightful questions, not afraid to ask for clarification, and also has an ability to help her peers and explain material to them as well. Aside from excelling in the classroom, Claire is an advanced undergraduate researcher. She carries a lot of responsibility in her lab including basic lab tasks that keep the lab running smoothly to her own independent projects.*

# 2021 Student Awards







## Camp Davis Field Geologist Award

Awarded to the student with the highest letter grade in the advanced field course at Camp Davis.

# Lindsey Lammlin

In Recognition of Excellence as a  
Camp Davis Undergraduate

## 2021 Student Awards







# Camp Davis Field Geologist Award

Elizabeth  
Ratajczyk

In Recognition of Excellence as a  
Camp Davis Undergraduate

Awarded to the student  
with the highest letter  
grade in the advanced  
field course at Camp  
Davis.



## 2021 Student Awards





# Camp Davis Field Geologist Award

Awarded to the student with the highest letter grade in the advanced field course at Camp Davis.

## Ryan Foley

In Recognition of Excellence as a  
Camp Davis Undergraduate

# 2021 Student Awards







# Eugene and Elizabeth Singer Award for Academic Excellence in Geology

## Jonathan Hoffman

In Recognition of an  
Outstanding Academic Record

*Although this award is mainly selected based on rigor of coursework, Jon has also performed extremely well in the research environment. He has made a real scientific contribution to my project on Cenomanian climate and seasonality, and he is now starting to write up his isotopic results into a first author manuscript we are aiming towards Geology that will double as his senior thesis.*

# 2021 Student Awards







# Eugene and Elizabeth Singer Award for Academic Excellence in Geology

## Claire Zwiers

In Recognition of an  
Outstanding Academic Record

*I recommend Claire Zwiers strongly and with no hesitation – she is one of the top undergraduate students I have interacted with at the University of Michigan. Claire has been responsible and diligent in the lab, learned quickly, and demonstrated good “lab hands”. Claire has a high capacity for self-directed research.*

*I am certainly hopeful that she will continue to work in my lab; this is the highest recommendation I can offer.*

## 2021 Student Awards







# Undergraduate Academic Excellence Award

Olivia  
Mathiesen

In Recognition of an  
Outstanding Academic Record

Awarded to a fourth year. The award is based on GPA, rigor of coursework, and participation in independent research within the department.



## 2021 Student Awards





# Undergraduate Academic Excellence Award

## Trent Stegink

In Recognition of an  
Outstanding Academic Record

Awarded to a fourth year. The award is based on GPA, rigor of coursework, and participation in independent research within the department.

# 2021 Student Awards



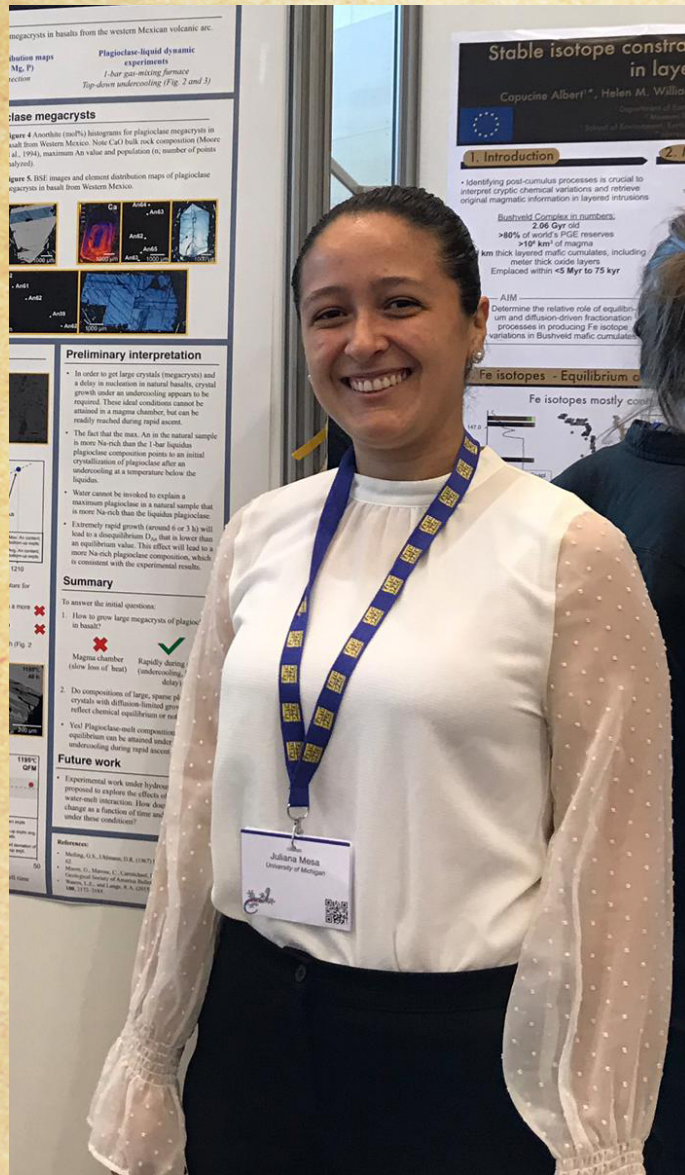


# Outstanding Graduate Student Instructor Award

## Juliana Mesa

Awarded to a Graduate Student Instructor who has taught two or more classes before January 31 of the year of the award.

In Recognition of Excellence as a  
Graduate Student Instructor



# 2021 Student Awards







# Outstanding Graduate Student Instructor Award

Nikolas  
Midttun

In Recognition of Excellence as a  
Graduate Student Instructor

Awarded to a Graduate Student Instructor who has taught two or more classes before January 31 of the year of the award.

## 2021 Student Awards







# John Dorr Graduate Academic Achievement Award

Phoebe Aron

Department-wide  
Award to a graduate  
student who defended  
the Ph.D. degree  
between January 31 of  
the year before and  
January 31 of the year  
of the award ceremony.

## 2021 Student Awards





# John Dorr Graduate Academic Achievement Award

## Rebekah Stein

Department-wide  
Award to a graduate  
student who defended  
the Ph.D. degree  
between January 31 of  
the year before and  
January 31 of the year  
of the award ceremony.



## 2021 Student Awards







# John Dorr Graduate Academic Achievement Award

Yi Wang

Department-wide  
Award to a graduate  
student who defended  
the Ph.D. degree  
between January 31 of  
the year before and  
January 31 of the year  
of the award ceremony.

## 2021 Student Awards





# Congratulations 2021 Earth and Environmental Sciences Graduates!

## PhD Dissertations

Meredith Calogero

*High-Resolution Numerical Thermal Modeling of Timescales and Mechanisms of Rhyolite Genesis and Transport as a Consequence of Basalt Influx: Applications to the Long Valley Volcanic Field, CA*

Jameson Jolles

*Insights on the temperatures, mechanisms, and timescales of voluminous (>600 km<sup>3</sup>) high SiO<sub>2</sub> (75-77 wt%) rhyolite melt generation at Long Valley, CA*

Aaron Kurz

*Mercury Stable Isotopes Identify Past and Present Mercury Sources and Cycling*

Molly Ng

*Evaluation and application of links between leaf anatomy and climate in *Metasequoia* (*Cupressaceae*)*

Marlon Ramos

*Physics-based Simulations of Large Earthquake Rupture Processes*

Hong Shen

*Mountain-climate interactions in the Himalayan-Tibet and Andean orogens*

Derek Smith

*The Impact of Microbial Interactions and Hydrogen Peroxide on Western Lake Erie Cyanobacterial Blooms*

Rebekah Stein

*Carbon and water dynamics in modern and ancient plants and soils margin: proxies and drivers*

## Earth and Environmental Sciences Majors

Anastasia Alexandrova

Allegra Baird

Amanda Balogh

Shreyas Bindal

Eden Blutstein

Shiloh Boosamra

Seamus Callaghan

Emma Carley

Kaylie Charland

Brendon Clarkston

Erin Connor

Abigail Drake

Geraldine Emlaw

Deborah Finnegan

Helen Foldenauer

Ryan Foley

Fiona Fox

Madeleine Frank

Timothy Freeman

Austin Gandolfi

Mya Gibson

Ian Goan

Zohaib Khan

Elizabeth Kirk

Halie Kish

Gabrielle Lambert

Lindsey Lammlin

Michael Machesky

Leah Marr

Remi Masse

Olivia Mathiesen

Samuel McCumber

Andrew Olejniczak

Mason Osborne

Hailey Pantaleo

Elise Pelletier

Matthew Peracchi

Lydia Pinkham

Summer Poppenhager

Katherine Quinlan

Cortney Quist

Nicole Rappuhn

Allison Rasmussen

Theodora Reynolds

Joseph Riesterer

Ally Rigney

Katherine Riles

Marisa Rudolph

Nora Shapiro

Ellie Simon

Luke Somsel

Jordan Tyo

Sonya Vogel

Tyler Warner

Noah Weiss

Ziwei Xiang

Daniel Zammit

Hannah Zonneville

## MS Theses

Rebecca Dzombak

*Stable climate in India during Deccan volcanism suggests limited influence on K-Pg extinction*

Jacob Okun

*Significant Intensification of Eastern Pacific ENSO reflected in Galápagos Corals since the Pre-Industrial Era: A Synthesis of New and Published Fossil Coral Cores from the Tropical Eastern and Central Pacific Ocean*

Mara Page

*The stable isotope ecology of mammals in the southern Kenyan Rift Valley*

Allison Pease

*Liquidus Determination of the Fe-S and (Fe, Ni)-S Systems at 14 and 24 GPa: Implications for the Mercurian Core*

Melanie Shadix

*Using leaf carbon isotope values to investigate plant response to high latitude climate change*

## Honors and Senior Theses

Seamus Callaghan

*A Cornalean Endocarp from the Late Cretaceous of Little Sucia Island, Washington State*

Madeleine Frank

*A Study of Magnetite from the New Afton Ore Deposit, Canada*

Olivia Mathiesen

*Assessing the Expression of Novel Biosynthetic Gene Clusters Found in *Dolichospermum* Samples Extracted from the 2014 Western Lake Erie Harmful Algal Bloom*

Elise Pelletier

*Variability of Meteoric Water Isotopes in the Great Lakes Region*

Nora Shapiro

*Constraining the Thermal History of Tektites by Matching Temperature Dependent Silica*

Sonya Vogel

*Environmental Controls on Methane Emissions in Buck Hollow Bog (Southeast Michigan) Within a Global Context*

Hannah Zonneville

*Examining the Effects of Moose Herbivory on Tree Growth in Boreal Forests*

## Minors

William Andrews

Madeline Bacolor

Jonathon Bernardi

Anne Bonds

Mary Bossard

Seamus Callaghan

Brendon Clarkston

Noah Clements

Abigail Drake

Anthony Erebor

Madeleine Frank

Isabelle Gallagher

Kamryn Hayes

Xuesi Hua

Jacob Hutnik

Savanna Johnson

Allison Kraynek

Margaret Lee

Andrea Lefevre

Elias Lucas

Olivia Mady

Olivia Mathiesen

Kiera Matiska

Sean McGuire

Rachel

McKimmy-War

Kirsten Nelson

Hailey Pantaleo

Madeline Peery

Katherine Quinlan

Allison Rasmussen

Jenna Rausch

Joseph Riggs

Ally Rigney

Taylor Smith

Luke Somsel

Austin Soos

Nicholas Stout

Alden Sulger IV

Rebecca To

Zhu Kun Wang

Paityn Wedder

Noah Weiss

Jack White

Swain Yakupitiyage

Allison Young

Jacob Zion

