

## Student Research Projects

Rhawn Denniston  
Cornell College

- HONORS THESIS: Boron Isotope-Based Shallow Ocean pH Estimates from Miocene and Pliocene Caribbean Corals – Kira Fish, 2018
- Isotopic Signals of Volcanic Eruptions in the Australian Summer Monsoon as Recorded in Tropical Australian Stalagmites – Savhana Chrisco, 2018
- Environmental Monitoring of Three Tropical Western Australia Caves: Implications for Speleothem Paleoclimate Reconstructions (2017-18) – Cole Zrinsky, 2018
- Calibrating the Links between Rainfall and Thresholds for Cave Flooding in Three Tropical Western Australia Caves (2017-18) – Matthew Stivland, 2018
- Paleofire Reconstructions from Tropical Australian Stalagmites – Anhia Nguyen, 2018
- HONORS THESIS: Testing the Influence of Major Volcanic Eruptions on the Indo-Australian Summer Monsoon using the Last Millennium Ensemble – Cali Pflieger, 2018
- Reconstructing Late Holocene Cave Flooding Events using Mud Layers in KNI-51 Stalagmites – Paige Kluge, 2018
- Testing the Influence of Major Volcanic Eruptions on the Indo-Australian Summer Monsoon using Sub-Annually-Resolved Stable Isotope Analyses of Tropical Australia Stalagmites – Cole Zrinsky, 2017
- Stable Isotopic Analysis of Aragonite Stalagmites from Central Nepal – Daniel Klever, 2017
- Trace Elements in Late Holocene Aragonite Stalagmites from the Australian Tropics – Stephanie Voller, 2017
- Trace Elements in Late Holocene Aragonite Stalagmites from the Australian Tropics – Cali Pflieger, 2017
- Investigating Rainwater, Dripwater, and Australian Cave Environments – Danielle Polson, 2017
- Investigating Rainwater, Dripwater, and Australian Cave Environments – Shay Rule, 2017
- Assessing Southern Hemisphere Behavior of the Indo-Pacific Tropical Rain Belt during the Late Holocene through Stable Isotope and U-Th Analyses of a Tropical Australia Stalagmite – Elena Skosey-LaLonde, 2016
- Maintaining a Cave Environmental Monitoring Program, Western Australia – James Garrett, 2016
- Design and Installation of Cave Environmental Monitoring Program, Western Australia – James Garrett, 2015
- Paleoclimate Stalagmite Records from Cape Range, Western Australia Spanning Portions of the Last Five Glacial Cycles - James Garrett, 2015
- HONORS THESIS: Monthly-Resolved Paleooceanographic Variability Reconstructed from Pristine Miocene Corals from the Dominican Republic - Thomas Weiss, 2015
- HONORS THESIS: Stable Isotopic and Petrographic Analysis of Bounding Surfaces in Nevada Stalagmites - Chris Felt, 2015
- Millennial-Scale Climate Variability of Marine Isotope Stages 2-5b from Blanchard Springs Caverns, northern Arkansas - Vreni Reidel, 2014
- Paleomonsoon Implications of Carbon Isotopic Variability in Late Holocene Aragonite Stalagmites from the Central Australian Tropics - Stephanie Lucker, 2014
- Stalagmite Records of the Penultimate Glacial Cycle from Western Iberia - Setsen Altan-Ochir, 2013
- Ultra-High Resolution Isotopic Records of Late Holocene Indo-Australian Summer Monsoon Dynamics - Kristian Passaro, 2013
- Sea Level Variability over the Last Glacial Cycle (literature study) - Daniel Pawlak, 2012
- Tropical Sea Surface Temperature Variability over the Last Glacial Cycle (literature study) - David Allen, 2012

- HONORS THESIS: Coupled Stable Isotopes and Mud Layer Analysis of Aragonite Stalagmites from Tropical Western Australia - Angelique Gonzales, 2012
- HONORS THESIS: Climate of the Last Glacial Cycle from Portugal Reconstructed using Stalagmites from Glory Hole Cave - Amanda Houts, 2012
- HONORS THESIS: The Last Glacial Maximum through Middle Holocene Climate Record from Stalagmites from Cape Range, Western Australia - Ni An, 2012
- Modeling Oxygen Isotopic Ratios in Recent Stalagmite Aragonite from Northern Australia - Andrew Roers, 2011
- Constraining Initial Thorium Ratios in Northern Australia Stalagmites - Julian Peota, 2011
- Towards a Unified Paleoclimate Reconstruction from Portuguese Stalagmites - Lucas Anderson, 2011
- Tropical Cyclones Reconstructions using Mud Layers in a 300-900 Yr Old Tropical Western Australia Stalagmite - Mike Barthelmes, 2011
- Tropical Cyclones Reconstructions using Mud Layers in a 300-600 Yr Old Tropical Western Australia Stalagmite - Dan Cleary, 2011
- Comparison of Middle Holocene Oxygen Isotopic Time Series from Australian Stalagmites - Elizabeth Greaves, 2010
- High-Precision U/Th Dates of GH Cave Stalagmites, Portugal - Megan Denner, 2010
- Sub-Decadal Climate Reconstructions from Late Holocene Aragonite Stalagmites from the Ning Bing Range, Kimberley, Western Australia - Nick Campbell, 2010
- Preliminary Dates on a Suite of Stalagmites from the Ning Bing Range, Kimberley, Western Australia - Bipul Timilsina, 2009
- Refining a U-Th Chronology for a Western Australia Stalagmite Paleoclimate Series - Emily Krauter, 2008
- Trace Element Characteristics of a Kimberley Australia Stalagmite - Abby Michaelson, 2008
- Investigating Late Pleistocene Australian Monsoon Variability - Rebecca Ellerbroek, 2008
- Growth Histories of Stalagmites from Western Australia: Implications for Reconstructing the Australian Monsoon over the Last Glacial Cycle - Kristyn Rodzinyak, 2006
- A Comparison of U/Ca and Sr/Ca-Based Sea Surface Temperatures from Caribbean Fossil Corals - Michael Lommler, 2006
- An Arkansas Stalagmite Penultimate Deglaciation Record: Pt I - Lara Moellers, 2005
- An Arkansas Stalagmite Penultimate Deglaciation Record: Pt II - Diana Krogmeier, 2005
- Reconstructing Growth Histories of Portuguese Stalagmites: Relationships to Heinrich Events - Charles Trodick, 2005
- U/Th Dating of Select Great Basin Stalagmites - Amanda Gibson, 2005
- Collection, Preparation, and Preliminary Chronology of Stalagmites from Coastal Portugal - Alyssa Borowske, 2004
- U-Pb Dating Pristine Neogene Corals from Dominican Republic - Peter Cole, 2004
- Construction of Chronologies and Stable Isotopic Trends of Ozark Stalagmites - Brian Hoye, 2004
- High-Resolution Stable Isotopic Analysis of Sea Surface Temperatures from Neogene Corals from Dominican Republic - Stephanie Penn, 2003
- High-Res. Stable Isotopic Analysis of a New Zealand Stalagmite - Alexa Clements, 2003
- A Late Holocene Speleothem Record from Devils Ice Box Cave, Central Missouri - Michelle DuPree, 2002