

# Yannik Elo Roell

University of Idaho  
Department of Biology  
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## Education:

- 2017 (est.) Master of Science in Biology, GIS Certificate; University of Idaho, Moscow, ID.  
2014 Bachelor of Science in Biology and Chemistry (Honors and ACS Certified), minor in Environmental Studies; Truman State University, Kirksville, MO.

## Research Experience:

- 2015-Present Graduate Research – Collection and analysis of metabolic rate for endemic land snails of the Galapagos due to shell morphology and environment.  
2015-2016 Field Technician – Collection of *Taricha granulosa* to study tetrodotoxin in a non-toxic population.  
2015 Marine Conservation Internship – Conservation and education outreach on the local coral reefs on Caqalai, Fiji Islands. Global Vision International.  
2013-2014 Research Technician – *Terrapene ornata* home range, habitat use, and movement rates in northeast Missouri. Truman State University.  
2013-2014 Research Technician – Environmental screening and molecular analysis of cellulose degrading fungi. Truman State University.  
2013 Research Technician – Development of general microbiology lab using *Trichoderma reesei* and *Fusarium oxysporum*. Truman State University.  
2013 Desert Southwest Ecology Course – Reptile body size and habitat variation along a latitudinal gradient. Truman State University.  
2012-2014 Research Technician – Development of organic chemistry lab that synthesizes and analyzes phenytoin. Truman State University.

## Teaching Experience:

### University of Idaho

- Research Experience for Undergraduate (REU) student: mentor (2016)  
Structure and function across the tree of life: teaching assistant (2016)  
Herpetology: teaching assistant (2015)

### Motoriki District School, Fiji

- Environmental Topics (2015): 4<sup>th</sup> and 8<sup>th</sup> grade classes on conservation and sustainability

## Awards and Funding:

- Graduate Research Assistantship, University of Idaho. 2016-2017.  
Conchologists of America Grant for Malacology. \$2200. 2016.  
Biology Departmental Fellowship, University of Idaho. 2015-2016.  
Graduate and Professional Student Association Travel Award, University of Idaho \$590. 2015.  
SICB Charlotte Mangum Student Support Program for 2016 annual SICB meeting. 2015.  
*Magna cum laude*, Truman State University. 2014.  
Chemistry Department Honors, Truman State University. 2014.  
Vice President for Academic Affairs List, Truman State University. 2010-2014.  
Grants in Aid of Scholarship and Research, Truman State University \$750. 2013.  
Valedictorian, Waynesville High School, Waynesville, MO. 2010.  
Federal Pell Grant, Truman State University \$2400. 2010.  
A+ Recognition Scholarship, Truman State University \$1500. 2010.

**Presentations:**

- Roell, Y. E. 2016. Galapagos land snail's metabolic rate: a relationship of shell morphology and environment. Island Biology.
- Roell, Y. E. 2016. Variation in metabolic rate due to shell morphology and environment in Galapagos snails. Evo-WIBO.
- Roell, Y. E. 2016. Relationship of metabolic rate and shell morphology and environment in Galapagos snails. SICB annual meeting.
- Roell, Y. E. 2015. Variation in metabolic rate due to shell morphology and environment in Galapagos snails. 11<sup>th</sup> annual Student Research Exposition at University of Idaho.
- Roell, Y. E. and Long, D. S. 2014. Environmental screening and molecular analysis of cellulose producing fungi. 27<sup>th</sup> annual Student Research Conference at Truman State University.
- Roell, Y. E. 2014. Synthesis of phenytoin as a new organic lab. 27<sup>th</sup> annual Student Research Conference at Truman State University.
- Gibson, A. K., Hanna, A. R., and Roell, Y. E. 2014. Diversity, abundance, body size, and habitat preference variation in snakes and lizards along a latitudinal cline. 27<sup>th</sup> annual Student Research Conference at Truman State University.
- Kartje, M. E., Hanna, A. R., and Roell, Y. E. 2014. Home range, movement rate, and habitat use of *Terrapene ornata* at the northern edge of its range. 27<sup>th</sup> annual Student Research Conference at Truman State University.

**Service:**

- 2016-Present Member of American Association for the Advancement of Science (AAAS).
- 2015-Present Member of Society for Integrative and Comparative Biology (SICB).
- 2015-Present Associate Member of Sigma Xi.
- 2015-Present Advisor for Men's Club Soccer Team at University of Idaho.
- 2015 Colgate contact for Motoriki District School in Fiji.
- 2015 Environmental Intern in charge of Caqalai and Motoriki, Fiji composting system.
- 2013-2014 Volunteer for Truman State University Herpetology Lab.
- 2013-2014 Organizer of Rot Riders, a community bike powered compost pickup.
- 2013 Intern of Truman State University's Compost Project.
- 2012-2014 President of TruOutdoor Club at Truman State University.
- 2011-2014 Gear manager of Rock Climbing Club at A.T. Still University.
- 2010-2014 Member of Environmental Campus Organization at Truman State University.

**Professional References:**

Dr. Christine Parent (Advisor)  
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