

Yannik Elo Roell

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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): 4th and 8th 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. 11th 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. 27th annual Student Research Conference at Truman State University.
- Roell, Y. E. 2014. Synthesis of phenytoin as a new organic lab. 27th 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. 27th 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. 27th 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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