

T. Heath Ogden

Utah Valley University
Biology Department
Orem, UT 84058

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Appointments:

2015-present Associate Professor; Utah Valley University, Orem, UT.
2009-2015 Assistant Professor; Utah Valley University, Orem, UT.
2006-present Affiliate Faculty; Idaho State University, Pocatello ID.
2006-2009 Visiting Assistant Professor; Idaho State University, Pocatello ID.
2005-2006 Adjunct Faculty; Riosalado Community College, Tempe, AZ.

Professional Preparation:

01/05 – 06/06 Postdoctoral research in computational genomics and bioinformatics, with Michael Rosenberg; Arizona State University, Tempe, Arizona.
2004 Ph.D. in Integrative Biology with emphasis in molecular systematics; Brigham Young University, Provo, Utah. Michael F. Whiting advisor
2000 M.S. with mention in Zoology; Universidad de Concepción, Concepción, Chile. Luis E. Parra advisor
1996 B.S. in Zoology; Brigham Young University, Provo, Utah

Professional Societies:

Society for Molecular Biology and Evolution (SMBE) (2005-present)
Entomological Society of America (ESA) (2000 - present)
Society of Systematic Biologists (2002 - present)
Willi Hennig Society (2003 - 2008)
Dragonfly Society of America (DSA) (2003-2006)
Chilean Entomological Society (CES) (1997 - 2000)

Teaching

Courses (at UVU):

Biology 1010 – General Biology (Non-majors biology course)
Biology 1610 – College Biology I (Majors biology course)
Zoology 3430 – Entomology (with lab Zoology 3435)
Biology 4300 – Bioinformatics and Genome Analysis
Biology 4500 – Principles of Evolution (Capstone course for Biology majors)
Biology 4550 – Molecular Evolution and Bioinformatics (Capstone course for Biotech majors)
Biology 490R – Special Topics Biology Desert Natural History
Biology 494R – Senior Seminar
Biology 489R – Student Research
Biology 499R – Senior Thesis

Undergraduate Research Students:

Jacob Burdett*	Chase Barker*	Danny Ferguson*
James Barber*	Corey Barger*	Brian Armstrong
Melanie Barber*	Trevor Zobell*	Brain Hatch*
Nikk Bobo*	Josh Holmes*	Dustin Miller*
Karina Kirk Larsen*	Ashton Godfrey	Jake Loveless*
Dave Fisher*	Julie Nance	Austin Bettridge
Adam Simmons*	David Tregaskis	Jesse Earl
Mike Simons	Robert Putnam*	(UCAS HS student)
Michael Cookston*	Trevor Gatenby*	Gary Hatch
Derek Johnson*	Tanner Mortimer*	Trevor Chamberlain
Aaron Fairbanks*	Jarom Schow*	Jacob Robinson*
Mathew Ethington*	Mark Tingey*	Dalton Brady*
Tyler Smith*	Jeffrey Leavitt*	Mary Vallecillo*
Shannon Deurden*	Stephanie Bartlett*	Bryson Carrier*
Louis Eubank*	Baden Morrill	Ishaah Talker*
Samantha Telarroja*	Robert Erickson*	
Albert Zylstra*	Daniel Oler	

* undergraduates who have completed senior thesis or presented results at a scientific meeting

Scholarship

Publications:

(15 peer reviewed; 1 book chapter; 3 non-peer reviewed)

Published

- Ogden, T. H., et al. Common Insects of Capitol Reef National Park. UVU Printing Services. 2013
- Fairbanks, D.J., A.D. Fairbanks, T.H. Ogden, G.J. Parker, and P.J. Maughan. 2012. NANOGP8: Evolution of a human-specific retro-oncogene. *Genes, Genomes, Genetics*: November, Volume 2, number 11.
- Parra, L. E. and T. H. Ogden. 2011. A new case constructing adelid moth from Chile (Lepidoptera). *Revista Brasileira de Entomologia*. 55(4): 560-564.
- Houston, D.D, T.H. Ogden, M.F. Whiting, D.K. Shiazowa. 2010. Polyphyly of the Pikeminnows (Teleostei: Cyprinidae) Inferred Using Mitochondrial DNA Sequences. *Transactions of the American Fisheries Society* 139: 303-315.
- Rosenberg, M.S., and T.H. Ogden. 2009. Simulation approaches to evaluating alignment error and methods for comparing alternate alignments. Pp. 179-207 in *Sequence Alignment: Methods, Models, Concepts, and Strategies*, M.S. Rosenberg, ed. University of California Press: Berkeley, CA.
- Ogden, T. H., M. Sartori, J. L. Gattolliat, A. Staniczek, T. Soldan, and M. F. Whiting. 2009. Towards a new paradigm in mayfly phylogeny (Ephemeroptera): combined analysis of morphological and molecular data. *Systematic Entomology*. 34(4): 616-634.

- Ogden, T. H., J. Osborne, L. Jacobus, and M. F. Whiting. 2009. Combined morphological and molecular phylogeny of Ephemerellidae (Ephemeroptera). *Zootaxa* 1991:28-42.
- Bybee, S., T. H. Ogden, M. Braham, and M. F. Whiting. 2008. Molecules, Morphology and Fossils: A Comprehensive Approach to Odonate phylogeny and the evolution of the Odonate Wing. *Cladistics*. 24(4): 477-514.
- Ogden, T. H., M. Sartori, M. F. Whiting. 2008. Pisciforma, Setisura, and Furcatergalia (Order: Ephemeroptera) are not monophyletic based on 18S rDNA sequences: A Reply to Sun et al. (2006). *Annals of the Entomological Society of America*. 101(1):1-6
- Ogden, T. H., and M. S. Rosenberg. 2007. Does direct optimization produce more accurate alignments and topologies? POY vs. ClustalW+PAUP*. *Systematic Biology*. 52(2): 182-193.
- Ogden, T. H., and M. S. Rosenberg. 2007. How should gaps be treated in parsimony? A comparison of approaches using simulation. *Molecular Phylogenetics and Evolution*. 42: 817-826.
- Ogden, T. H., and M. S. Rosenberg. 2006. Multiple sequence alignment accuracy and phylogenetic inference. *Systematic Biology*. 55(2): 314-328.
- Ogden, T. H. and M. F. Whiting. 2005. Phylogeny of Ephemeroptera (mayflies) based on molecular evidence. *Molecular Phylogenetics and Evolution*. 37(3): 625-643.
- Ogden, T. H., M. F. Whiting, and W. C. Wheeler. 2005. Poor taxon sampling, poor character sampling, and non-repeatable analyses of a contrived dataset do not provide a more credible estimate of insect phylogeny: a reply to Kjer. *Cladistics*. 21(3): 295-302.
- Ogden, T. H. and M. F. Whiting. 2003. The problem with the Paleoptera problem: sense and sensitivity. *Cladistics* 19(5): 432-442.
- Ogden, T. H. and M. F. Whiting. 2003. Phylogeny of Ephemeroptera: Molecular Evidence. *Entomologische Abhandlungen*. 61(2): 126-127.
- Ogden, T. H. and M. F. Whiting. 2003. Genomic tissue library of Odonata: a call for specimens. *Argia*.
- Ogden, T. H., W. P. McCafferty and M. F. Whiting. 2002. Phylogeny of the Ephemeroptera of the world: a call for specimens. *Mayfly Newsletter*. pp. 5-6.
- Ogden, T. H. and L. E. Parra. 2001. Taxonomy and biology of a new Oecophoridae (Lepidoptera) from central Chile. *Revista Chilena de Historia Natural*. 74: 533-538.

In Preparation

- Armstrong, B. and T. H. Ogden. Snapshot: An interactive taxonomy-driven tool for phylogenetic dataset construction.
- Holt, E. and T. H. Ogden. Acceptance of Evolution: Can we change their minds?
- Ogden, T. H. Flipped face-to-face outperforms online instruction: A case study in introductory Biology.
- Ogden, T. H., et al. Phylogeny of Baetidae (Ephemeroptera).
- Ogden, T. H., et al. Phylogeny of Ephemerellidae (Ephemeroptera).
- Ogden, T. H., et al. Phylogeny of Pannota (Ephemeroptera).
- Ogden, T. H., et al. Phylogeny of the Burrowing Mayflies (Ephemeroptera).

Fairbanks, D.J., et al. Fusion of chromosome 2 in humans.

Scholarships, Fellowships & Awards:

UVU HIELG: Assessing the mechanisms that improve student performance and completion in General Biology	2015	\$102,950
NSF EAGER: SG: RUI: Phylogeny of Mayflies (Ephemeroptera)	2015	\$150,000
USHE TICE Biolody1010 Curriculum Development Proposal	2013	\$275,843.12
UVU Presidential Fellowship	2012	\$8,000
UVU SURF (Summer Undergraduate Research Fellowships)	2012-2015	\$6,000
UVU SAC (Scholarly Activities Committee)	2009-2016	\$39,000 12 hours reassigned time
UVU GEL (Grants for Engaged Learning)	2011-2015	\$31,500
UVU Capitol Reef Field Station grant	2010-2015	\$8,008
UVU CEL (Center for Engaged Learning)	2009	\$5,000
UVU SCOP (Student Scholarly and Creative Opportunities Program)	2010-2011	\$7,000
UVU Grant Writing Stipend	2009, 2014	\$6,500
UVU Senate Faculty Travel Grant	2009	\$400
BYU mentoring undergraduates grant	2004	\$6,000
BYU Booth Scholarship of Entomology	2004	\$1,000
BYU Graduate Fellowship	2003-2004	\$6,000
Marie Stopes travel award from the Hennig Society	2003	
BYU mentoring undergraduates grant	2003	\$6,000
BYU Booth Scholarship of Entomology	2003	\$1,000
NSF DDIG (Doctoral Dissertation Improvement Grant)	2002	\$10,000
BYU Graduate Studies Travel Grant	2002	\$400
President's Prize for the student Competition, Honorable Mention, Entomological Society of America	2002	
BYU Booth Scholarship of Entomology	2000	\$1,000
Zoology department scholarship for outstanding graduate students, Universidad de Concepcion	1997-2000	\$3,000

Oral Presentations:

- **Ogden TH.** Simulation studies in bioinformatic research. ACS Northwest Regional Meeting (NORM). June 2015
- **Ogden TH.** Molecular Phylogenetics of Mayflies: status and future directions. XIV International Conference on Ephemeroptera and XVIII International Symposia on Plecoptera. Aberdeen, Scotland. June 2015.
- **Ogden TH.** Evolution, Education, and Entomology: Evolution's importance in the classroom. UVU Prep. June 2015.
- **Ogden TH** and Jeffery DE. Natural Law In LDS Theology: Prospects For The 21st Century. Sunstone. Salt Lake City. 2014
- **Ogden TH** and Holt E. Flipped Face-to-Face versus Online: A Case Study in Introductory Biology. SoTE. Utah Valley University. 2014
- Holt E and **Ogden TH.** Content, Delivery of Content or the Messenger of Content: What Makes Evolution 'Acceptable'?. SoTE. Utah Valley University. 2014

- Mortimer T*, Holt E, and **Ogden TH**. Perceptions of Evolution: Insights from interviews. UCUR. Brigham Young University. 2014.
- **Ogden TH**. Biology Buffet: Bugs, Evolution, and Teaching. UVU Department of Biology Seminar. Fall 2013.
- **Ogden TH**. The Common Insects of Capitol Reef. Entrada Institute, Torrey UT. August 2013.
- Holt E and **Ogden TH**. Teaching Evolution to Undergraduates: Can We Change Their Minds? SABER Meeting. University of Minnesota. 2013.
- Schow J* and **Ogden TH**. Snapshot: An interactive taxonomy-driven tool for phylogenetic dataset construction. Evolution Meeting. Snowbird, UT. 2013.
- **Ogden TH**, Mortimer T*, Vance J*, and Holt E. Teaching Evolution: Can We Change Their Minds? Evolution Meeting. Snowbird, UT. 2013.
- Tingey M* and **Ogden TH**. Basal pterygote relationships and its implications for the evolution of flight in insects. UCUR. Utah State University. 2013.
- Schow J* and **Ogden TH**. An interactive, taxonomy-driven tool for genetic sequence database mining. UCUR. Utah State University. 2013.
- Mortimer T*, Holt E, and **Ogden TH**. Student Perceptions and Knowledge of Evolution. UCUR. Utah State University. 2013.
- Eubank L*, Telarroja S*, and **Ogden TH**. Combined Morphological and Molecular Phylogeny of Pannota (Mayflies). NCUR. Weber State University. 2012.
- Ethington M* and **Ogden TH**. Insects of Capitol Reef National Park. NCUR. Weber State University. 2012.
- **Ogden TH**. Evolution, Education, Entomology: Evolution's importance in the classroom and research. UVU Biology Department Seminar. Utah Valley University. September 2011.
- **Ogden TH**, Cookson M*, and Zobell T*. The Paleoptera Problem: Revisited. Entomological Society of America. Reno, NV. 2011.
- **Ogden TH**. Angels and Demons (and Mayflies): The Evolution of Flight in Insects. UVU Thinks Big. Utah Valley University. September 2011.
- **Ogden TH**. Using clickers to enhance student learning. Concurrent Enrollment Meeting. Utah Valley University, Department of Biology. Jan 2011
- **Ogden TH**. Using clickers to enhance student learning. Pearson Technology Event. Salt Lake Community College. 2011.
- Cookson M* and **Ogden TH**. Snapshot phylogenetics: Workflow from genbank to trees. UCUR, Weber State University, Ogden, UT. 2011.
- Simmons A* and **Ogden TH**. Phylogeny of Caenoidea (Ephemeroptera). UCUR, Weber State University, Ogden, UT. 2011.
- **Ogden TH**. Alignment and Topological Accuracy: Clustal+PAUP* vs POY revisited. Evolution Meeting. Portland, OR. 2010.
- **Ogden TH** The Evolution of Flight in Insects: Insights from Mayflies and DNA. Utah Valley University, Department of Biology Seminar. Jan 2010
- **Ogden TH** The Evolution of Flight in Insects: Insights from Mayflies and DNA. Idaho State University Practical Bioinformatics Workshop. Lava Hot Springs, ID. 2009

- **Ogden TH** The Evolution of Flight in Insects: Insights from Mayflies and DNA. Brigham Young University Idaho. Rexburg, ID. 2009.
- **Ogden TH** The Importance of Accurate DNA Sequence Alignment. Idaho State University Bioinformatics Workshop. Lava Hot Springs, ID. 2007.
- **Ogden TH** Work-flow via simulation to test accuracy. Idaho State University Bioinformatics Workshop. Lava Hot Springs, ID. 2007.
- **Ogden TH** Phylogenomics and Bioinformatics: Mayflies and Molecules: Evolution and Phylogeny of Basal Winged Insects. Invited Seminar Speaker. University of Arkansas, 2007.
- **Ogden TH** Phylogenomics and Bioinformatics: From Insect Evolution to Computational Biology. Invited Seminar Speaker. Idaho State University, 2006.
- **Ogden TH** and Rosenberg MS. Direct Optimization vs. Traditional Phylogenetics: Alignment and Topological Accuracy. SMBE 2006.
- **Ogden TH** and Rosenberg MS. The use of simulation to study the role of alignment accuracy in phylogenetic inference. *Evolution*, 2005, finalist in Ernst Mayr Award competition.
- **Ogden TH** and Whiting MF. Phylogeny of Ephemeroptera based on molecular evidence. XI International Conference on Ephemeroptera and XV International Symposium on Plecoptera, 2004 Joint Meeting - August 22-29, 2004.
- **Ogden TH** and Whiting MF. Phylogeny and evolution of mayflies (Ephemeroptera). *Evolution*, 2004, finalist in Ernst Mayr Award competition.
- **Ogden TH** and Whiting MF. Phylogeny and evolution of mayflies (Ephemeroptera). International Meeting of the Entomological Society of America, 2004.
- Osborne JT, **Ogden TH**, Jacobus LM, McCafferty WP, Whiting MF. Phylogeny of Ephemerelellidae (Ephemeroptera): Combined Approach Based on Morphological and Molecular Data. International Meeting of the Entomological Society of America, 2004.
- **Ogden TH** and Whiting MF. The Paleoptera Problem: Sense and Sensitivity. Willi Hennig Society Meeting, 2003.
- **Ogden TH** and Whiting MF. Phylogeny of Ephemeroptera: molecular evidence. The Phylogenetic Relationships within the Insect Orders, Dresden, Germany, 2003 (Invited symposium speaker).
- **Ogden TH** and Whiting MF. Evolution of the delicate ones: phylogeny of Ephemeroptera based on molecular evidence. International Meeting of the Entomological Society of America, 2003.
- **Ogden TH** and Whiting MF. The Paleoptera Problem: Sense and Sensitivity. Pacific Branch of the Entomological Society of America, 2003 (Invited symposium speaker).
- **Ogden TH** and Whiting MF. Odonata Genomics. DSA, 2003 (invited speaker).
- **Ogden TH** and Whiting MF. The Paleoptera Problem: Sense and Sensitivity. *Evolution*, 2002
- **Ogden TH** and Whiting MF. You gotta know when to fold `em: Is Paleoptera Monophyletic? International Meeting of the Entomological Society of America, 2002.
- **Ogden TH** and Whiting MF. Higher-Level Phylogeny of Ephemeroptera: Molecular Evidence. International Meeting of the Entomological Society of America, 2001.

- **Ogden TH** and Whiting MF. Higher-Level Phylogeny of Ephemeroptera: Preliminary Molecular Evidence. Willi Hennig Society Meeting, 2001.

* *undergraduate student at Utah Valley University*

Poster Presentations:

- Talker I* and **Ogden TH**. Phylogeny of Mayfly Subfamily Ecdyonurinae (Heptageniidae: Ephemeroptera). UCUR. University of Utah. 2016
- Carrier B* and **Ogden TH**. Phylogenetic Relationships of Mayfly Family Baetidae (Ephemeroptera). UCUR. University of Utah. 2016
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- Brady D* and **Ogden TH**. Evolution of Protective Square Gills in Caenoidea Mayflies. UCUR. University of Utah. 2016
- Erickson R*, Hatch B*, and **Ogden TH**. Species List of Insects in Capitol Reef National Park. UCUR. Dixie State University. 2015.
- Ferguson D* and **Ogden TH**. To accept or not accept: A study of evolution and worldview reconciliation in an Introductory Biology course. UCUR. Dixie State University. 2015.
- Loveless J* and **Ogden TH**. Comparison of Macroinvertebrate assemblages of two perennial streams in Capitol Reef National Park. 2015.
- Bartlett S*, Layton, B*, and **Ogden TH**. Gone Again: A story of evolution, mandibular tusks, and burrowing mayflies. UCUR. Dixie State University. 2015.
- Barker C*, Gatenby T*, and **Ogden TH**. Evolution and Molecular Phylogenetics of Baetidae (Ephemeroptera). UCUR. Dixie State University. 2015.
- Barker C*, Gatenby T*, and **Ogden TH**. Insights into the evolution of wings in Insects: Molecular Phylogenetics of Baetidae (Ephemeroptera). UCUR. Brigham Young University. 2014.
- Bartlett S* and **Ogden TH**. Evolution of Burrowing Mayflies: Tusks be gone. UCUR. Brigham Young University. 2014.
- Erickson R* and **Ogden TH**. Pamphlet and Survey of Common Insects of Capitol Reef National Park. UCUR. Brigham Young University. 2014.
- Fairbanks A*, **Ogden TH**, Parker G, Maughan, PJ, Fairbanks DJ. *NANOGP8*: The evolution of a human-specific retro-oncogene. UCUR. Utah State University. 2013.
- Bartlett S* and **Ogden TH**. Evolution of the mandibular tusks in burrowing mayflies (Ephemeroptera). UCUR. Utah State University. 2013.
- Barker C*, Gatenby T*, and **Ogden TH**. Molecular Phylogeny of the Mayfly Family Baetidae (Ephemeroptera). UCUR. Utah State University. 2013.
- Ethington M* and **Ogden TH**. Insects of Capitol Reef National Park. UCUR. Utah State University. 2013.
- Leavitt J* and **Ogden TH**. Phylogeny of Ephemerellidae (Ephemeroptera). UCUR. Utah State University. 2013.
- Putnam R* and **Ogden TH**. Molecular Phylogeny of the Fused-back Mayflies (Pannota: Mayflies). UCUR. Utah State University. 2013.
- Fairbanks A*, **Ogden TH**, Parrker G, Maughan J, and Fairbanks D. *NANOGP8*: The

- evolution of a human-specific retro-oncogene. NCUR. Weber State University. 2012.
- Telloja S*, Eubank L*, and **Ogden TH**. Spiny crawlers on trees: phylogeny of Ephemerellidae (Ephemeroptera). Smith T*, Barker C*, and **Ogden TH**. To Baetidae or not to Baetidae: comprehensive phylogeny of baetid mayflies (Ephemeroptera). NCUR. Weber State University. 2012.
 - Barger C*, Holmes J*, and **Ogden TH**. Burrowing Mayflies (Ephemeroptera). NCUR. Weber State University. 2012.
 - Smith T*, Zylstra A*, and **Ogden TH**. To Baetidae or not to Baetidae: comprehensive phylogeny of baetid mayflies. Entomological Society of America. Reno, NV. 2011.
 - Ethington M* and **Ogden TH**. Insects of Capitol Reef National Park. Entomological Society of America. Reno, NV. 2011.
 - Eubank L*, Telloja S*, and **Ogden TH**. Spiny crawlers on trees: phylogeny of Ephemerellidae (Ephemeroptera). Entomological Society of America. Reno, NV. 2011.
 - Barber J*, Smith T*, Simmons A*, Larsen K*, Johnson D*, Ethington M*, Burdett J*, Olsen K*, Bobo N*, Brown S*, Monk M, and **Ogden TH**. Diversity of insects in Capitol Reef National Park. UCUR, Weber State University, Ogden, UT 2010.
 - Barber* M, Barber J*, and **Ogden TH**. Southern Utah insect collecting: What varieties of insects reside in the Moab and Colorado River areas? UCUR, Weber State University, Ogden, UT 2010.
 - Burdett J* and **Ogden TH**. Pannota: Who's who in the family? UCUR, Weber State University, Ogden, UT 2010.
 - Ethington M* and **Ogden TH**. Phylogeny of Ameletopsidae: Some of the carnivores of the mayfly world. UCUR, Weber State University, Ogden, UT 2010.
 - Fairbanks A* and **Ogden TH**. NANOG retropseudogene evolution in primate genomes. UCUR, Weber State University, Ogden, UT 2010.
 - Johnson D*, Smith T*, and **Ogden TH**. Phylogeny and evolution of Baetidae. UCUR, Weber State University, Ogden, UT 2010.
 - Larsen K*, Larsen J*, and **Ogden TH**. Western United States insect specimens for UVU's new entomology course. UCUR, Weber State University, Ogden, UT 2010.
 - Nelson-Hadley J* and **Ogden TH**. Movement patterns and activity budgets of a marine foraging troop of Chacma baboons (*Papio hamadryas ursinus*) on the Cape Peninsula, South Africa. UCUR, Weber State University, Ogden, UT 2010.

* *undergraduate student at Utah Valley University*

Service:

To the University

Member Advisory Board for Capitol Reef Field Station (CRFS) (2011-present)
 UVU IRB committee member (2010-present)
 Chair, Core Courses for Curriculum Committee (2009 – present)
 Member of Tenure Policy writing Committee (2014)
 Speaker and Mentor at UVU PREP (2013 & 2014)
 Learning Community Participation – Biology & Math (2013 & 2014)

Designer Gold course Biology 1010 for Distance Education (2013)
Committee member, search committee for College of Science and Health Computer Technician (2012)
Chair, search committee for CRFS manager (2011)
Committee member, committee for Biol 1615 lab reconstruction (2011)
Committee member, committee for Biol 1010 textbook selection (2011)
Committee member, search committee for STEP grant technician (2010)
Committee member, search committee for plant biologist position (2010)
Biotechnology Club: I participated in the meetings and interacted and mentored the students that belong to the Biotech Club (2009)

To the Community (scientific and local)

Reviewer for the journals:

BMC Bioinformatics	Bioinformatics
BMC Evolutionary Biology	Systematic Entomology
Systematic Biology	Zoological Science
Molecular Phylogenetics and Evolution	Zootaxa
Cladistics	Morphology

Reviewer for National Science Foundation

Designer Technology Intensive Concurrent Enrollment (TICE) Course for USHE (2013-2014)

Collaborators and Co-Editors:

Branham, Mark. University of Florida
Bybee, Seth. Brigham Young University
Fairbanks, Daniel. Utah Valley University.
Gattolliat, Jean-Luc. Zoological Museum, Lausanne, Switzerland
Jacobus, Luke. Indiana University
Maughan, Jeff. Brigham Young University
Parker, Glendon. Utah Valley University
Parra, Luis. Universidad de Concepcion, Chile.
Rosenberg, Michael. Arizona State University
Sartori, Michel. Zoological Museum, Lausanne, Switzerland
Soldan, Thomas. South Bohemian University, Czech Republic
Staniczek, Arnold. Staatliches Museum f'ur Naturkunde, Germany
Whiting, Michael. Brigham Young University

Graduate Advisors and Postdoctoral Sponsors:

Parra, Luis. Universidad de Concepcion, Chile
Whiting, Michael. Brigham Young University
Rosenberg, Michael. Arizona State University

Thesis and Postgraduate-Scholar Students:

- Vuataz, Laurent. PhD Candidate. Université de Lausanne. Switzerland. 2011.
- Burdett, Jacob. UVU Senior Thesis. 2010.
- Johnson, Derek. UVU Senior Thesis. 2011.
- Simmons, Adam. UVU Senior Thesis. 2011.
- Cookson, Michael. UVU Integrative Studies Senior Thesis. 2011.
- Deurden, Shannon. UVU Senior Thesis. 2011.
- Smith, Tyler. UVU Senior Thesis. 2012.

Science Fair Judge – Cherry Hills Elementary. 2009.

Assisted in Science Fair Projects – Cherry Hills Elementary. 2009, 2012.

Guest Lecture on Entomology at Cherry Hills Elementary. 2010, 2011.

Guest Lecture at Payson Junior High School. 2013.

Merit Badge Counselor for Biology related areas for the Boy Scouts of America. 2009-2012.