

Gavin J Martin

401 WIDB
Provo, UT, 84602

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EDUCATION

M.S.	2012-2015	Brigham Young University	Molecular systematics
	Advisor:	Michael Whiting and Seth Bybee	
B.A.	2012	Brigham Young University-Idaho	Organismal biology
	Major Professor:	John Zenger	

GRANTS AND FUNDING (Total awarded: \$17,000)

2013 **Graduate Research Fellowship**, Brigham Young University, (\$15,000)
2011 **Undergraduate Student Research Fund**, Brigham Young University, (\$2,000)

AWARDS AND HONORS

2012 Second Place, President's Prize, poster presentation, Entomological Society of America Annual Meeting

INVITED PRESENTATIONS

Martin G.J. 2012 Entomology of Peru. Brigham Young University-Idaho chapter of National Wildlife Society

PRESENTATIONS

Martin, Gavin J., Bybee, Seth M., Whiting, Michael F., & Branham, Marc A., 2012 *Using novel loci to form a preliminary phylogeny of fireflies (Coleoptera: Lampyridae)*
Poster presentation (student competition) annual meetings of the Entomological Society of America

Martin, Gavin J., Ridge, Perry, Mugleston, Joseph D., Swindle, Michael, Branham, Marc A., Whiting, Michael F., Bybee, Seth M., 2013 *A phylogeny of insight into firefly visual system evolution*
Poster presentation Evolution 2013

RESEARCH EXPERIENCE

2013-2014 **Research Assistant**, Seth Bybee, BYU

2011 **Research Assistant**, Gene Weller, BYU-I
2010-2011 **Research Assistant**, John Zenger, BYU-I

RELEVANT SKILLS

Illumina library preparation
RNA extraction, cDNA synthesis, cloning
DNA extraction, PCR, sequencing reactions, DNA sequencing, primer design
Phylogenetic analyses (Sequence Management and Alignment, Phylogenetic Tree Building, Parsimony, ML and Bayesian Methods)
Comparative Morphology (dissection, morphological scoring, Cladistic analyses, character evolution, and ancestral state reconstruction methods)
Interactive/Electronic Keys (LUCID v.3.5)
Field Collecting Experience (Expedition logistics/planning, various collecting techniques)
Spanish, near native speech and writing skills.

TEACHING

Teaching Assistant, BYU:

-General Entomology, Fall 2012

Teaching Assistant BYU-I:

-General Entomology, Winter/Fall 2010, 2011, Winter 2012

-Evolutionary Biology, Summer/Winter/Fall 2011-2012

-Ecology, Summer/Winter/Fall 2010-2012

Tutor-BYU-I:

-General Chemistry, 2010-2012

UNDERGRADUATE MENTORSHIP

Yelena Pacheco, Department of Physiology and Developmental Biology, Brigham Young University

FIELDWORK

International:

2011 **Peru**, BYU, Whiting Laboratory, Insect fieldwork

Domestic:

2010-2012 **Idaho**, BYU-I, Zenger Laboratory Insect fieldwork

2010 **Utah**, BYU-I, Zenger Laboratory Insect fieldwork

2013 **Eastern/Southern United States**, BYU, Bybee Laboratory

MUSEUM COLLECTIONS STUDIED

2013	FSCA, Gainesville, FL, USA
2012	BYUC, Provo, UT, USA

PROFESSIONAL MEMBERSHIPS

Society of Systematic Biologists, Entomological Society of America, Coleopterists Society

PROFESSIONAL REFERENCES

Dr. Michael Whiting Professor, Brigham Young University, Department of Biology, 401 WIDB, Provo, Utah, 84602 USA, Phone: (801) 422-5651, E-mail: michael_whiting@byu.edu

Dr. Seth M. Bybee Assistant Professor, Brigham Young University, Department of Biology, 401 WIDB, Provo, Utah, 84602 USA, Phone: (801) 422-5363, E-mail: seth.bybee@gmail.com

Dr. Nathan P. Lord, Brigham Young University, Department of Biology, 401 WIDB, Provo, UT, 84602 USA, Phone: (404) 944-9055, Email: bothriderid@gmail.com

Dr. John Zenger Professor, Brigham Young University-Idaho, Department of Biology, 525 South Center St. Rexburg, ID 83460 USA, Phone: (208) 496-4632, E-mail: zengerj@byui.edu