CURRICULUM VITAE

Christopher Irwin Smith

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Education:

(2003)	Harvard University, Ph.D. in Biology. Dissertation: The Evolution of the Longhorn Cactus Beetles Moneilema Say (Coleoptera: Cerambycidae) and the Biogeographic History of the North American Deserts.
(1996)	<i>University of Arizona, B.S.</i> in Ecology and Evolutionary Biology. Minor: Spanish. Graduated Cum Laude.

Appointments:

(2008 -)	Willamette University. Department of Biology. Assistant Professor.
(2008 -)	University of Idaho. Department of Biological Sciences. Affiliate Faculty.
(2003-2008)	<i>University of Idaho</i> , Department of Biological Sciences. Post-doctoral Research Fellow. Olle Pellmyr, Principal Investigator.
(1997-2003)	<i>Harvard University</i> , Department of Organismic and Evolutionary Biology. Ph.D. Student. Brian D. Farrell, Advisor.
(1996- 1997)	Argonne National Laboratory US Department of Energy, Chicago, IL. Intern. R. Michael Miller, Supervisor.

Honors, Fellowships and Awards:

(2011)	Cross-disciplinary training grant. microMORPH NSF Research Coordination Network.
(2010)	Faculty Achievement Award. Willamette University.
(2009)	Nominated, Sloan Research Fellowship. Alfred P. Sloan Foundation.
(2003, 2002, 1998)	Certificate of Distinction in Teaching . Derek Bok Center for Teaching and Learning, <i>Harvard University</i> .
(1997- 1998)	Graduate Research Training Grant. Harvard University.
(1997)	Honorable Mention, Graduate Research Fellowship. <i>National Science Foundation</i> .

TEACHING AND STUDENT MENTORING

Classroom Teaching Experience:

(2008 -) Willamette University: Assistant Professor of Biology. Courses:

• *Ecology, Evolution, and Diversity* (Biology 125: Fall 2008, Spring 2009, Fall 2009, Fall 2010, Fall 2011, Spring 2012, Fall 2012)

 Evolutionary Biology (Biology 376: Spring 2009, Fall 2010, Spring 2012, Spring 2013)

• Race, Racism, and Human Genetics (Interdisciplinary Studies 243: Fall 2010, Collaboration with Emily Drew)

 Research Methods in Molecular Ecology (Biology 359: Fall 2009, Fall 2012)

•Special Topics: Molecular Ecology (Biology 470: Fall 2008)

(Fall, 2006) *University of Idaho:* Instructor in Biological Sciences. Course:

•Advances in the Ecology of Adaptive Radiations (Biology 525)

(Fall, 2000) *Harvard University:* Instructor in Biological Sciences. Course:

• Conceptual issues in Evolutionary Biology (Biology 95hfa, Collaboration with Carlos Bustamante)

(Summer, 1999) *Columbia University*, Biosphere II Center: Teaching Assistant. Course:

• Earth Systems Field School.

(1997 - 2003) *Harvard University:* Teaching Fellow in Biology. Courses:

• Animal Behavior (Biological Sciences 53: Spring 2000)

• Biological Diversity (Biological Sciences 20: Spring, 1998, Spring 1999)

• Ecology (Biological Sciences 55: Spring, 2003 Teaching Award, Spring 2002)

•Introductory Biology (Biological Sciences 51: Fall 1997 Teaching Award, Fall, 2001 Teaching Award)

• Genetics and Genomics (Biological Sciences 54: Spring 2001)

•Species and Speciation (Biological Sciences 124: Fall 1999)

Student Mentoring:

(2012 - 2013) Willamette University: Advisor, ANGLES club.

(Spring 2009) Willamette University: Advisor, BBB Biology Honors Society.

(2009) *Willamette University:* Advisor, Willamette University Climbing Club.

(1999-2003)	<i>Cabot House, Harvard University</i> : Resident Tutor in Biology. Designated Advisor for Bisexual, Gay, Lesbian, and Transgender Students. Designated Advisor for Undergraduate Fellowships and Scholarships.
(1998-1999)	Pforzheimer House, Harvard University: Non-Resident Tutor in Biology.

Student Research Supervised:

(2012-2013)	Science Collaborative Research Program. <i>Willamette University.</i> Students Supervised: Patrick Reynolds (2012), Alex Schrimp (2012), Colin Stewart (2013).
(2012)	Wilson Scholars Program. <i>Willamette University.</i> Student Supervised: Dylan Goldade.
(2009 - 2012)	Biology 297 (Research Explorations In Biology) . <i>Willamette University</i> . Students Supervised: Jeff Collins (2009-2010), Caitlin Dilli (2010), Theresa Edwards (2010), Kate Gadek (2010-2011), Jacob Munsen-McGee (2010-2011), Patrick Reynolds (2011-2012), Alex Schrimp (2011-2012), Tyler Starr (2009-2010), and Blythe Sloan-Toninato (2012).
(2010)	Carson Scholars Program. Willamette University. Student Supervised: Jeff Collins.
(2009-2010)	Science Collaborative Research Program. Willamette University. Students Supervised: Jeff Collins (2009), Kate Gadek (2010), Theresa Edwards (2010), Tyler Starr (2009).
(2007)	Research Experience for Undergraduates. (Supplement to NSF Grant 0516841) <i>University of Idaho</i> . Students supervised: Audrey Hite, Shantel Tank.

Student Theses Supervised:

(2013)	Correlated trait evolution of yuccas (Yucca; Agavaceae) and yucca moths (Tegeticula; Lepidoptera: Prodoxidae). Emily Bendall, BA. Willamette University. (Honors)
(2013)	Using RAD tags to generate a linkage map for Yucca brevifolia and identify genomic islands of divergence. Dylan Goldade, BA. Willamette University.
(2012)	Examination of Genitalia Allometry in Parapatric Sister-Species of Female Yucca Moths. Jessica Faust, BA. Willamette University.
(2012)	Quantifying the effects of phenotype matching on Yucca moth (Tegeticula spp.) fitness in an obligate-pollinator mutualism. Thomas Hollowed, BA. Willamette University.
(2012)	Reproductive Cost to Yucca brevifolia spp. of Obligate Mutualism with Tegeticula spp. Christin Licata, BA. Willamette University.
(2012)	Pollinator specificity in the yucca moth/Joshua tree obligate pollination mutualism: implications for coevolution and codivergence Emily Thornquist, BA. Reed College.

(2010)	Does purifying selection explain time dependency in the primate molecular clock? J. A. Collins, BA. Willamette University. (Honors)
(2010)	Using cytochrome-b to uncover the introductory history of Eastern Gray Squirrels (Sciurus carolinensis) to the western United States. Erik Willis, BA. Willamette University. (Honors)

Poster Presentations with Students:

(October, 2012)	"Population Genomics of Joshua Trees: Identifying Signatures of Selection In the <i>Yucca brevifolia</i> Using Next-Generation Sequencing" D. Goldade and C. I. Smith. <i>Murdock College Science Research Conference</i> . Whitman College, Walla Walla, Washington.
(October, 2012)	"Reproductive Morphology of Hybrid Joshua Trees" P. Reynolds and C. I. Smith. <i>Murdock College Science Research Conference</i> . Whitman College, Walla Walla, Washington.
(October, 2012)	"Genetic Identifications of Joshua Trees Predict Moth Visitation in Tikaboo Valley" A. Schrimp and C. I. Smith. <i>Murdock College Science Research Conference</i> . Whitman College, Walla Walla, Washington.
(October, 2010)	"Demography study in <i>Yucca brevifolia</i> using microsatellites". T. Edwards and C. I. Smith. <i>Murdock College Science Research Conference</i> . Linfield, Oregon.
(October, 2010)	"Increased seed count of hybrid Joshua trees." K. Gadek and C. I. Smith. <i>Murdock College Science Research Conference</i> . Linfield, Oregon.
(June, 2010)	"Signatures of Population Decline in <i>Yucca brevifolia</i> ." Jeff Collins and C. I. Smith. <i>Joint Annual Meeting, Society for the Study of Evolution, and the Society of Systematic Biologists.</i> Portland, Oregon.
(April, 2010)	"Signatures of Population Decline in <i>Yucca brevifolia</i> ." Jeff Collins and C. I. Smith. <i>Evo-WIBO regional Science Conference</i> , Port Townsend, Washington.
(October, 2009)	"Winter precipitation predicts demographic structure in <i>Yucca brevifolia</i> (Agavaceae)" Jeff Collins and Chris Smith. <i>Murdock College Science Research Conference</i> . Spokane, Washington.
(October, 2009)	"Hybridization in the Joshua tree (<i>Yucca brevifolia</i>)". Tyler Starr and Chris Smith. <i>Murdock College Science Research Conference</i> . Spokane, Washington.

Research Talks Co-authored with Students:

(June, 2013) "Correlated trait evolution of yuccas (Yucca; Agavaceae) and yucca moths (*Tegeticula*; Lepidoptera: Prodoxidae)" Emily Bendall and C. I. Smith *Society for the Study of Evolution.* Snowbird, Utah.

SERVICE AND PUBLIC OUTREACH

University Service:

(2011-2013)	Elected Committee Member, Academic Council. Willamette University.
(2013)	Committee Member, Faculty Search: Class of '59 Visiting Assistant Professorship in Applied Statistics. <i>Willamette University</i> .
(2011-)	Committee Member, Science Collaborative Research Program Advisory Board, <i>Willamette University</i> .
(2009-2011)	Committee Member, Institutional Review Board. Willamette University.
(2010)	Coordinator, Junior Science Mentoring Program. Willamette University.
(2009, 2010)	Committee Member, Faculty Search: Assistant Professor in Microbiology. <i>Willamette University.</i>
(2008)	Committee Member, Faculty Search: Assistant Professor in Animal Physiology. <i>Willamette University.</i>

Service to the Academic Community:

(2012 -)	Associate Editor, The Journal of Heredity.
(2013)	Ad-hoc Reviewer, L'Agence nationale de la recherche (French National Research Agency) Blanc Programme
(2013)	Selected as among the "Best Reviewers of 2012," <i>Molecular Ecology</i>
(Ad Hoc)	Invited Reviewer: The American Naturalist, Current Biology, Evolution, Genetica, Heredity, Journal of Biogeography, Journal of Heredity, Journal of Molecular Evolution, Journal of the Lepidopterist's Society, Journal of the New York Entomological Society, Molecular Ecology, Molecular Phylogenetics and Evolution, Proceedings of the National Academy of Sciences, Proceedings of the Royal Society of London, Systematic Biology, Public Library of Science.
(2012, 2010)	Ad-hoc Reviewer, <i>National Science Foundation, Division of Environmental Biology.</i>
(2011)	Panelist, National Science Foundation, Division of Environmental Biology.
(2011)	Ad-hoc Reviewer, National Geographic Society, Committee for Research and Exploration.

Public Service:

(2013) Instructor. "Citizen Science: Pollination Biology of Joshua Trees." *Desert Institute* and *Joshua Tree National Park Foundation*.

(2012)	Co-Presenter. Science Pub: "Modern Science the Legacy of Scientific Racism." Collaboration with Emily Drew. <i>Oregon Museum of Science and Industry.</i>
(2010)	Co-Instructor. "A Prickly Problem: Joshua Trees and Climate Change" Collaboration with Todd Esque. <i>Desert Institute</i> and <i>Joshua Tree National Park Foundation</i> .
(2009)	Program Organizer. 2009 Darwin Day Celebration. <i>Willamette University</i> and <i>Oregonians For Rationality</i> .
(1999)	Consultant. Fulbright Memorial Fund Master Teacher Program.

Coverage in the News and Popular Press:

(2013)	"Class offers amateurs chance to study Joshua tree reproduction" <i>Las Vegas Journal Review</i> . Article by Henry Brean. January 14, 2013 Issue.
(2013)	"Joshua Tree Researcher Searching For Citizen Scientists" <i>KNPR State of Nevada.</i> Aired January 22, 2013.
(2013)	"Frontiers in Desert Tentacle Sex" <i>Pharyngula: freethoughtblogs.com/pharyngula</i> . Article by Chris Clarke. Posted January 10, 2013.
(2011)	"The Yucca Moth and the Joshua Tree: An Evolutionary Love Story" <i>KNPR State of Nevada</i> . Aired May 2, 2011.
(2011)	"Joshua tree, yucca moth co-evolution fascinates researchers" <i>Las Vegas Review Journal</i> . Article by Henry Brean. April 18, 2011 Issue.
(2010)	"The Puzzle of Biological Diversity" <i>ScienceDaily.com</i> Article by ScienceDaily Staff. Posted November 23rd.
(2010)	"Moths and Joshua Trees Work Together" <i>LiveScience.com</i> Article by Josh Shamot. Posted March 4th.
(2009)	"Some trees and insects are made for each other" <i>NSF.gov/discoveries</i> Posted November 24th.
(2009)	"Willamette professor eyes link between plant, its pollinators" <i>Statesman Journal</i> , Salem, Oregon. Article by Suzy Bodman. September 13th Issue.
(2008)	"Match-up" Smithsonian Magazine. Article by Sarah Zielinski. June Issue.

Online popular writing:

(2013)	"Speciation with gene flow and the virtual beanbag: Genome-level effects increase divergence during ecological speciation, but linkage is not required" <i>The Molecular Ecologist,</i> posted March 6th, molecularecologist.com
(2013)	"Batesian and aggressive mimicry in academic publishing: A proposal for escalation of the coevolutionary arms-race" <i>Nothing in Biology Makes Sense</i> . posted July 16th, nothinginbiology.org

SCHOLARSHIP AND RESEARCH

Research Experience:

(2008-)	Principal Investigator. <i>Willamette University</i> , Department of Biology. Studying the role of coevolution in promoting the diversification of plants and insects. Funded by the National Science Foundation and the M. J. Murdock Charitable Trust.
(2003-2008)	Post-doctoral Research Fellow. <i>University of Idaho</i> , Department of Biological Sciences. Studying ecology, biogeography and coevolutionary interactions of yuccas (Agavaceae) and yucca moths (Lepidoptera: Prodoxidae). Olle Pellmyr, Principal Investigator. Funded by the National Science Foundation.
(1997-2003)	Ph.D. Student. <i>Harvard University</i> , Department of Organismic and Evolutionary Biology. Studied phylogenetics and biogeography of the longhorn cactus beetles <i>Moneilema</i> spp. (Coleoptera: Cerambycidae). Brian D. Farrell, Advisor. Funded by the National Science Foundation
(1996- 1997)	Intern. <i>US Department of Energy, Argonne National Laboratory</i> , Environmental Research Division. Studied the evolutionary ecology of vesicular-arbuscular mycorrhizae, annual herbs, and terrestrial ecosystems under global change. R. Michael Miller, Advisor.
(Summer, 1996)	Volunteer Field Assistant. <i>Oregon State University</i> , Department of Forest Science. Studied foraging behavior and roost preference of the Little Brown Bat <i>Myotis evotis</i> (Chiroptera: Vespertilionidae) using radio telemetry. David Waldien, Supervisor. Funded by Bat Conservation International.
(1993-1995)	Student Research Assistant. <i>University of Arizona</i> , Department of Entomology. Studied the evolution of pesticide resistance in the Tarnished Plant Bug <i>Lygus hesperus</i> (Hemiptera: Miridae). Tim Dennehy, Principal Investigator.
Field Experience:	
(2003-2013)	Death Valley National Park, Desert National Wildlife Refuge, Joshua Tree National Park, Mojave National Preserve. Studying biology and population structure of yucca moths (Tegeticula spp.) associated with Joshua Tree (Yucca brevifolia). Funded by the National Science Foundation.
(April, 2002)	Dominican Republic: Parque Nacional Del Este. Surveying and inventorying of insect species diversity for Harvard University's Museum of Comparative Zoology.
(2000 - 2001)	<i>Mexico</i> . Studying the phylogeny and distribution of the Longhorn Cactus Beetles (<i>Moneilema</i>). Funded the by the Putnam Expedition Grant.
(July, 2000)	<i>Navajo and Ute Reservations, New Mexico & Colorado</i> . Studying diet breadth of the Longhorn Cactus Beetle and its role as a predator of the endangered Mesa Verde cactus <i>Sclerocactus mesae-verdae</i> . Funded by the Colorado Natural Areas Program.
(1998)	Arizona and New Mexico: Coronado National Forest, Organ Pipe Cactus National Monument. Studying the historical biogeography of Longhorn Cactus Beetles. Funded by the Harvard Student Research Grant.

Talks at Professional Meetings:

(June, 2013)	Using RAD sequencing to study coevolution of yuccas and yucca moths. Joint Annual Meeting, <i>Society for the Study of Evolution</i> , and the <i>Society of Systematic Biologists</i> . Snowbird, Utah.
(May, 2013)	Population genomics of an obligate pollination mutualism. <i>Third Annual Symbiosis Workshop.</i> Sierra Nevada Research Institute, Wawona, CA.
(July, 2012)	Is it coevolution? Phenotype matching in yuccas and yucca moths. <i>First International Congress on Evolutionary Biology.</i> Ottawa, Ontario, Canada.
(June, 2010)	Are Joshua trees (<i>Yucca brevifolia</i>) that rely on different pollinator reproductively isolated? Detecting hybridization in a zone of sympatry using morphological and molecular data. Joint Annual Meeting, <i>Society for the Study of Evolution</i> , and the <i>Society of Systematic Biologists</i> . Portland, Oregon.
(June, 2009)	Pollinator host specificity reflects chloroplast introgression between host plants in and obligate pollination mutualism. Joint Annual Meeting, <i>Society for the Study of Evolution</i> , and the <i>Society of Systematic Biologists</i> . University of Idaho, Moscow, Idaho.
(June, 2006)	Population Structure of Joshua Trees and their Pollinating Moths. Joint Annual Meeting, <i>Society for the Study of Evolution</i> , and the <i>Society of Systematic Biologists</i> . Stony Brook University, Stony Brook, New York.
(June, 2003)	Evolution of the Longhorn Cactus Beetles <i>Moneilema</i> (Coleoptera: Cerambycidae) and the Biogeographic History of the North American Deserts. Joint Annual Meeting, <i>Society for the Study of Evolution</i> and <i>Society of Systematic Biologists</i> . California State University, Chico.
(June, 2002)	Recent Range Expansions in the Flightless Longhorn Cactus Beetles <i>Moneilema gigas</i> and <i>M. armatum</i> in Response to Pleistocene Climate Changes. Joint Annual Meeting, <i>Society for the Study of Evolution</i> and <i>Society of Systematic Biologists</i> . University of Illinois, Champaign.
(June, 2001)	Was the Differentiation of Sky-Island Insect Populations Contemporaneous with Pleistocene Climate Changes? Joint Annual Meeting, <i>Society for the Study of Evolution</i> and <i>Society of Systematic Biologists</i> . University of Tennessee, Knoxville.

Invited Talks and Seminars:

(February, 2013)	The most repulsive tree, the most wonderful pollination system: Do Joshua trees and yucca moths hold the solution to Darwin's 'Abominable Mystery'? <i>James F. Crow Institute for the Study of Evolution - University of Wisconsin, Madison -</i> Invited Speaker, Darwin Day Celebration.
(August, 2012)	Coevolution and diversification in yuccas and yucca moths. <i>University of Illinois, Urbana-Champaign</i> .
(November, 2011)	Does coevolution drive the diversification of plants and their pollinators? Insights from the Joshua tree - yucca moth mutualism. <i>Oregon State University</i> .

(July, 2011)	Does coevolution drive the diversification of plants and their pollinators? Insights from the Joshua tree - yucca moth mutualism. <i>University of Georgia</i> .
(May, 2011)	Coevolution of yucca moths and Joshua trees: Does natural selection promote or constrain diversification? <i>University of Oregon</i> - Selected as the graduate-student-invited speaker.
(February, 2011)	Coevolution of yucca moths and Joshua trees: Does natural selection promote or constrain diversification? <i>Washington State University</i> .
(November, 2010)	150 Years of Coevolution. Reed College.
(February, 2010)	Biogeography and Coevolution in the Yucca - Yucca Moth Mutualism. <i>Louisiana State University.</i>
(February, 2009)	150 Years of Coevolution. Darwin Day Celebration. Pacific University.
(October, 2008)	Phylogeography of the Yucca / Yucca Moth Interaction: Connecting Microevolutionary Processes to Macroevolutionary Patterns. <i>Portland State University</i> .

Grantsmanship - Funded Proposals:

(2013)	CAREER: Training the Next Generation of Evolutionary Ecologists: Experimental and Population Genomic Tests of Coevolution and Diversification in Yuccas and Yucca Moths. <i>National Science Foundation</i> . (Requested: \$902,242, Awarded: \$850,000.)
(2013)	Using genomic clines to identify the genetic basis of species differences in Joshua trees (Yucca spp.) <i>M. J. Murdock Charitable Trust.</i> (Awarded: \$46,500)
(2013)	Joshua Tree Response to Global Climate Change - The Race North. <i>U.S. Geological Survey.</i> (Awarded: \$12,500)
(2011)	Developing genomic tools for studying coevolution. <i>M. J. Murdock Charitable Trust.</i> (Awarded: \$48,000)
(2010)	RUI: Quantifying natural selection in a contact zone in an obligate pollination mutualism. <i>National Science Foundation</i> . (Awarded: \$149,674).
(2010)	Race, Racism and Human Population Genetics: An Interdisciplinary Initiative in Pedagogy & Scholarship. Collaborative with E. Drew. Hewlett Foundation Presidential Award. <i>Willamette University.</i> (Awarded: \$5000)
(2009)	Identifying Best Practices for Integrating Scholarship and Pedagogy in the Sciences: How do we do Great Science at a Small School? Grant for the Exploration of Faculty Vocation. <i>Lilly Project, Willamette University.</i> (Awarded: \$30,800).
(2009)	Enhancing Inquiry-based Learning and Guided Research in the Introductory Biology Laboratory Sequence. College of Liberal Arts Hewlett Grant for Curriculum Development. Collaborative with Biology Department Faculty, <i>Willamette University</i> (Awarded: \$4500).
(2005)	The role of geographically structured coevolution in long-term diversification: a test using Joshua Tree and its pollinator moths. <i>National Science Foundation</i> (Awarded: \$446,978).

(2001)	Ernst Mayr Grant, <i>Museum of Comparative Zoology, Harvard University</i> (Awarded: \$1500).
(2000)	Putnam Expedition Grant, <i>Harvard University</i> (Awarded: \$7060).
(2000)	Doctoral Dissertation Improvement Grant. <i>National Science Foundation</i> (Awarded: \$9491).
(2000)	Small Grant, <i>Colorado Natural Areas Program</i> (Awarded: \$3500).
(1996)	Student Research Grant, Harvard University (Awarded: \$2500).

Grantsmanship - Declined Proposals:

(2012)	Coevolution of Joshua trees and their pollinators. <i>National Geographic Society Committee for Research and Exploration</i> . (Requested: \$18,963; Declined by NGS; Reviews were not made available)
(2011)	"An experimental test of coevolution in yuccas and yucca moths." <i>Franklin Research Grant, American Philosophical Society.</i> (Requested: \$6000; Declined by APS; Reviews were not made available)
(2010)	Mongolian Great Bustard (Otis tarda dybowski) Research and Conservation" <i>The Oregon Zoo Foundation.</i> Collaborative with R. Flatz and M. Kessler (Arizona State University) (Requested: \$4025; Declined by Oregon Zoo; Reviews were not made available)
(2010)	RUI: Collaborative Research: Do relictual and sink populations bias distribution models? An empirical and theoretical test. <i>National Science Foundation</i> . Collaborative with Todd Esque (US Geological Survey), William Godsoe and Nathan Sanders (University of Tennessee). (Requested \$541,081; Smith's share \$235;332; Declined by NSF; Reviewer Scores: E, VG/G, G, G/F, Panel Rating: Meritorious).
(2010)	Planning conservation strategies for Joshua trees under global climate change. <i>National Park Service.</i> Collaborative with T. Esque (US Geological Survey), and A. Compton (Joshua Tree National Park). (Requested: \$850,000; Smith's Share: \$233,311; Declined by NPS; Reviews were not made available)
(2009)	Population Ecology of Joshua trees Under Global Change. <i>National Fish and Wildlife Foundation</i> . (Requested: \$62,000; Declined by NFWF; Reviews were not made available)
(2009)	An Integrated Approach to Determining Conservation Priorities in Mojave Desert Ecosystems. <i>Charles A. and Anne Morrow Lindbergh Foundation</i> . (Requested: \$10,580; Declined by Lindbergh Foundation; Reviews were not made available)

Research Publications:

- 1. *Yoder, J. B., C. I. Smith, D. L. Rowley[∞], W. K. W. Godsoe, C. Drummond, and O. Pellmyr. 2013 Effects of gene flow on phenotype matching between two varieties of Joshua tree (*Yucca brevifolia*: Agavaceae) and their pollinators. *Journal of Evolutionary Biology*. 26(6):1220-33. Selected for the cover. Article cited once[†].
- 2. *Starr[∞], WU, T., K. Gadek[∞], WU, J. B. Yoder, R. Flatz WU, and C. I. Smith. 2013. Asymmetric hybridization and gene flow between Joshua trees (Agavaceae: *Yucca*) reflects differences in pollinator host specificity. *Molecular Ecology*. 22 (2), 437-449. Article cited once.
- 3. *Althoff, D. A., K. A. Segraves, C. I. Smith, J. Leebens-Mack, and O. Pellmyr. 2012. Geographic isolation trumps coevolution as a driver of yucca and yucca moth diversification. *Molecular Phylogenetics and Evolution*. 62(3):898-906. Article cited seven times.
- 4. *Smith, C. I., S. Tank[∞], W. Godsoe, J. Levenick ^{WU}, E. Strand, T. Esque, and O. Pellmyr. 2011. Comparative phylogeography of a coevolved community: Concerted population expansions in Joshua trees and four yucca moths. *PLoS ONE*. 6(10): e25628. Article accessed 2,736 times, 633 pdf downloads. Article cited seventeen times.
- *Flatz WU, R., J. B. Yoder, E. L. Barnes[∞], WU and C. I. Smith. 2011. Characterization of microsatellite loci in *Yucca brevifolia* (Agavaceae) and cross-amplification in related species. *American Journal of Botany.* 98 (3): e67-69. Article cited three times.
- 6. *Godsoe, W. J. B. Yoder, C. I. Smith, C. S. Drummond, and O. Pellmyr. 2010. Absence of population-level phenotype matching in an obligate pollination mutualism. *Journal of Evolutionary Biology.* 23 (12): 2739–2746. Article cited three times.
- 7. *Yoder, J. B., C. I. Smith, and O. Pellmyr. 2010. How to become a yucca moth: Minimal trait evolution needed to establish the obligate pollination mutualism. *Biological Journal of the Linnean Society.* 100 (4): 847-855. Article cited twice.
- 8. *Smith, C. I., J. B. Yoder, W. K. Godsoe, and O. Pellmyr. 2009. Host specificity and reproductive success of yucca moths (*Tegeticula* spp. Lepidoptera: Prodoxidae) mirror patterns of gene flow between host plant varieties of Joshua tree (Yucca brevifolia: Agavaceae). *Molecular Ecology*. 18 (24): 5218-5229. Selected for the cover. Article cited 15 times.
- 9. * Godsoe, W, E. Strand, C. I. Smith, J. B. Yoder, T. C. Esque, and O. Pellmyr. 2009. Divergence in an obligate mutualism is not explained by divergent climate factors. *New Phytologist.* 183: 589-599. Article cited 18 times.
- 10. *Drummond, C., C. I. Smith, and O. Pellmyr. 2009. Species identification and sibship assignment of sympatric larvae in the yucca moths *Tegeticula synthetica* and *T. antithetica* (Lepidoptera: Prodoxidae). *Molecular Ecology Resources*. 9 (5): 1369-1372 Article cited three times.

^{*} Peer-reviewed item. 21 peer-reviewed papers of 24 total published papers. 21 papers published since 2003. Manuscripts in review are excluded from this count.

[∞] Undergraduate co-author.

WU Willamette University co-author

[†] Citation counts are based on Google Scholar - accessed August, 2013. H-Index of 11. An average of 21 citations per article.

- *Smith, C.I, W.K.W. Godsoe, S. Tank[∞], J.B.Yoder, and O. Pellmyr. 2008. Distinguishing coevolution from covicariance in an obligate pollination mutualism: Asynchronous divergence in Joshua tree and its pollinators. *Evolution*. 62 (10): 2676-2687. Selected for the Cover. Article cited 30 times.
- 12. *Godsoe, W., J. B. Yoder, C. I. Smith, O. Pellmyr. 2008. Coevolution and diversification in the Joshua tree yucca moth mutualism. *American Naturalist*. 171 (6) 816-823 **Article cited** 25 times.
- *Smith, C. I., O. Pellmyr, D. M. Althoff, M. Balcazar-Lara, J. Leebens-Mack, K. A. Segraves. 2008. Pattern and timing of diversification in *Yucca* (Agavaceae): Specialized pollination does not escalate rates of diversification. *Proceedings of the Royal Society of London Series B: Biological Sciences*. 275: 249-258. Article cited 43 times.
- *Smith, C. I. and B. D. Farrell. 2006. Evolutionary consequences of dispersal ability in cactus-feeding insects. *Genetica*. 126: 323-334. Article cited five times.
- *Smith, C. I. and B. D. Farrell. 2005. Recent range expansions in the flightless longhorn cactus beetles *Moneilema gigas* and *M. armatum* in response to Pleistocene climate changes.

 *Molecular Ecology. 14: 1025-1044. Article cited 57 Times.
- 16. *Smith, C. I. and B. D. Farrell. 2005 Phylogeography of the longhorn cactus beetle *Moneilema appressum* LeConte (Coleoptera: Cerambycidae) Was the differentiation of the Madrean sky-islands driven by Pleistocene climate changes? *Molecular Ecology*. 14: 3049-3065. Article Cited 58 Times.
- 17. *Miller, R.M., C. I. Smith, J. Jastrow, and J. D. Bever. 1999. The mycorrhizal status of the genus *Carex* (Cyperaceae). *American Journal of Botany*. 86: (4) 547-553. Article cited 76 times.
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