

Charles Wayne Fox

Department of Entomology
S-225 Agricultural Science Center North
University of Kentucky
Lexington, KY 40546-0091

E-mail: cfox@uky.edu

Orcid: 0000-0002-7545-7967

ResearcherID: I-5274-2012

Home Phone: 859-276-5298

Office Phone: 859-904-9404

Lab Phone: 859-257-7472

Fax: 859-323-1120

www.uky.edu/~cfox

scholar.google.com/citations?user=callomac

www.researchgate.net/profile/Charles_Fox2

<http://www.researcherid.com/rid/I-5274-2012>

Last updated May 2018

Education

Ph.D. 15 December 1993 – Integrative Biology, University of California, Berkeley

B.S. 19 June 1987 – Zoology, University of California, Davis (Highest Honors)

Academic Employment

- 1999 – pres Department of Entomology, College of Agriculture, Food and Environment, University of Kentucky, Lexington, KY. Professor (2006 – pres); Acting Chair (sabbatical replacement; May – August 2011); Associate Professor (2001 – 2006); Director, Center for Ecology, Evolution and Behavior (CEEB; 2001 – 2007); Assistant Professor (1999 – 2001)
- 2004 – pres Executive Editor, *Functional Ecology* (Jun 2005 – Jun 2010, Sep 2013 – present); Senior Editor (Feb 2004 – Jun 2005 and Jul 2010 – Aug 2013)
- 1996 – 1999 Assistant Professor, Louis Calder Center, Biological Field Station of Fordham University, Armonk, NY, & Department of Biological Sciences, Fordham University, Bronx, NY
- 1994 – 1996 NSF Postdoctoral Fellow & Research Assistant Professor, Department of Biological Sciences, University of South Carolina, Columbia, SC
- 1993 – 1994 Research Assistant Professor, Department of Biological Sciences, University of South Carolina, Columbia, SC
- 1994 Instructor, Midlands Technical College, Columbia, South Carolina
- 1988 – 1993 Graduate Student Instructor, Department of Zoology and Department of Integrative Biology, University of California, Berkeley, CA
- 1987 – 1988 Teaching Assistant, Department of Biology, University of California, Riverside, CA

Honors and Awards

- 2015 David Parkin Visiting Professor to the University of Bath
- 2012 University of Kentucky, College of Agriculture, Prestigious Paper Award for 2011 paper published in *Evolution*
- 2011 Royal Entomological Society, Best Paper Award for 2009 paper published in *Physiological Entomology*
- 1987 Departmental Citation, Department of Zoology, University of California, Davis, CA

Editorial Contributions

Journals

- Functional Ecology* – Executive Editor (1 Jun 2005 – 30 Jun 2010, 1 Sep 2013 – present); Senior editor (Feb 2004 – Jun 2005, 1 Jul 2010 – 31 Jul 2013)
- The Year in Evolutionary Biology* series – co-editor (2011 – present) (published by the *Annals of the New York Academy of Sciences* and Wiley-Blackwell)
- 2012 issue: *Annals of the New York Academy of Sciences* 1256: 1-107 (editors: Mousseau TA & CW Fox)
- 2013 issue: *Annals of the New York Academy of Sciences* 1289: 1-105 (editors: Mousseau TA & CW Fox)
- 2014 issue: *Annals of the New York Academy of Sciences* 1320: 1-92 (editors: Fox CW & TA Mousseau)
- 2015 issue: *Annals of the New York Academy of Sciences* 1360: 1-144 (editors: Mousseau TA & CW Fox)
- 2017 issue: *Annals of the New York Academy of Sciences* 1389: 1-212 (editors: CW Fox & Mousseau TA)
- Ecology and Evolution* – Editorial Board (2011 – 2016)
- Evolutionary Ecology Research* – Associate Editor (2004 – present)
- Ecology and Ecological Monographs* – Associate Editor (2004 – 2007)
- Journal of Evolutionary Biology* – Editorial Board (2004 – 2005) – I resigned from this editorial board effective 31 Dec 2005 to dedicate more time to my role as Executive Editor of *Functional Ecology*.
- Edited Books – see publication list below

Publications

Books

- Westneat DF & CW Fox (editors). 2010. *Evolutionary Behavioral Ecology*. Oxford University Press, New York.
- Carroll SP & CW Fox (editors). 2008. *Conservation Biology: Evolution in Action*. Oxford University Press, New York. 378 pages.
- Fox CW & JB Wolf (editors). 2006. *Evolutionary Genetics: Concepts and Case Studies*. Oxford University Press, New York. 592 pages.
- Fox CW, DA Roff & DJ Fairbairn (editors). 2001. *Evolutionary Ecology: Concepts and Case Studies*. Oxford University Press, New York. 424 pages.
- Mousseau TA & CW Fox (editors). 1998. *Maternal Effects as Adaptations*. Oxford University Press, New York. 375 pages.

Book Chapters and Invited Papers

- Fox CW & FJ Messina. 2013. Life histories. In Gibson D (ed) *Oxford Bibliographies*, Oxford Univ Press, NY. doi: 10.1093/OBO/9780199830060-0016
- Reed DH, CW Fox, LS Enders & TN Kristensen. 2012. Inbreeding-stress interactions: evolutionary and conservation consequences. *Annals of the New York Academy of Sciences* 1256: 33-48. doi: 10.1111/j.1749-6632.2012.06548.x
- Fox CW & DF Westneat. 2010. Adaptation. Pp 16-31 in DF Westneat & CW Fox (editors) *Evolutionary Behavioral Ecology*. Oxford University Press, NY.
- Stillwell RC, WU Blanckenhorn, T Teder, G Davidowitz & CW Fox. 2010. Sex differences in phenotypic

plasticity affect variation in sexual size dimorphism in insects: from physiology to evolution. *Annual Review of Entomology* 55: 227-245. doi: 10.1146/annurev-ento-112408-085500

- Fox CW** & ME Czesak. 2009. Adaptive maternal effects: A case study of egg size plasticity in a seed-feeding beetle. Pp 781-815 in DW Whitman & TN Ananthkrishnan (editors) *Phenotypic Plasticity of Insects: Mechanisms and Consequences*. Science Pub Inc.
- Carroll SP & **CW Fox**. 2009. The evolution of life histories. Pp 567-570 in M Ruse & J Travis (editors) *Evolution: The First Four Billion Years*. Belknap Press, Cambridge, MA.
- Carroll SP & **CW Fox**. 2008. The next communities: evolution and the integration of invasive species. Pp 239-251 in SP Carroll & **CW Fox** (editors) *Conservation Biology: Evolution in Action*. Oxford University Press, New York.
- Carroll SP & **CW Fox**. 2007. Dissecting the evolutionary impacts of plant invasions: bugs and beetles as native guides. *Global Change Biology* 13: 1644-1657. doi: 10.1111/j.1365-2486.2007.01403.x
- Fox CW**, RC Stillwell & J Moya-Laraño. 2007. Variation in selection and the evolution of sexual size dimorphism in two seed-feeding beetles. Pp 88-96 in DJ Fairbairn, W Blanckenhorn & T Székely (editors) *Sex, Size and Gender Roles: Evolutionary Studies of Sexual Size Dimorphism*. Oxford University Press, Oxford.
- Carroll SP, H Dingle, TR Famula & **CW Fox**. 2002. Genetic architecture of adaptive differentiation in evolving host races of the Soapberry Bug, *Jadera haematoloma*. In AP Hendry & MT Kinnison (eds.) *Microevolution – Rate, Pattern and Process*. Kluwer Academic Publishers, Dordrecht.
- Messina FJ & **CW Fox**. 2001. Offspring size and number. Pp. 113-127 in **CW Fox**, DA Roff & DJ Fairbairn (eds.) *Evolutionary Ecology: Concepts and Case Studies*. Oxford University Press, New York.
- Czesak ME & **CW Fox**. 2001. The evolutionary ecology of offspring size; concepts and a case study. *Recent Research Developments in Ecology* 1: 97-114.
- Fox CW** & ME Czesak. 2000. Evolutionary ecology of progeny size in arthropods. *Annual Review of Entomology* 45: 341-369. doi: 10.1146/annurev.ento.45.1.341
- Fox CW**. 2000. Maternal effects in insect-plant interactions: Lessons from a desert seed beetle. *Recent Research Developments in Entomology* 3: 71-93.
- Fox CW** & TA Mousseau. 1998. Maternal effects as adaptations for transgenerational phenotypic plasticity in insects. pp. 159-177 in TA Mousseau & **CW Fox** (editors) *Maternal Effects as Adaptations*. Oxford University Press, New York.
- Fox CW**, & TA Mousseau. 1998. Concluding remarks: Generalities, implications, and future directions. pp. 345-348 in T. A. Mousseau & **CW Fox** (editors) *Maternal Effects as Adaptations*. Oxford University Press, New York.
- Mousseau TA & **CW Fox**. 1998. The adaptive significance of maternal effects. *Trends in Ecology and Evolution* 13: 403-407. doi: 10.1016/S0169-5347(98)01472-4

Submitted Manuscripts (including papers in post-submission revision)

- Bauerfeind SS, MA Schäfer, D Berger, WU Blanckenhorn & **CW Fox**. Replicated latitudinal clines in reproductive traits of European and North American yellow dung flies.
- Sauterey B & **CW Fox**. Evolution of intraspecific competition strategy in parasitic insects: a trade-off based approach.
- Paine CET & **CW Fox**. The effectiveness of journals as gatekeepers in the organismal sciences.

Manuscript in press

- Schäfer MA, D Berger, PT Rohner, A Kjaersgaard, SS Bauerfeind, F Guillaume, **CW Fox** & WU Blanckenhorn. Clines in wing morphology relate to colonization history in New but not Old World populations of the yellow dung fly. *Evolution in press*.
- Blanckenhorn WU, SS Bauerfeind, D Berger, G Davidowitz, **CW Fox**, F Guillaume, S Nakamura, K

Nishimura, H Sasaki, RC Stillwell, T Tachi & MA Schäfer. Life history traits, but not body size, vary systematically along latitudinal gradients on three continents in the widespread yellow dung fly. *Ecography in press*. doi: 10.1111/ecog.03752

Peer Reviewed Manuscripts

O'Neill EM, KH Beard & CW Fox. 2018. Phenotypic plasticity mediates source effects in introduced populations of the coqui frog. *Copeia* 106: 161-170. doi: 10.1643/CE-17-642

Fox CW & FJ Messina. 2018. Evolution of larval competitiveness and associated life history traits in response to host shifts in a seed beetle. *Journal of Evolutionary Biology* 31: 302–313. doi paper: 10.1111/jeb.13222, data: 10.5061/dryad.fk266

Kébé K, N Alvarez, M Tuda, G Arnqvist, CW Fox, M Sembène & A Espíndola. 2017. Global phylogeography of the insect pest *Callosobruchus maculatus* (Coleoptera: Bruchinae) relates to the history of its main host, *Vigna unguiculata*. *Journal of Biogeography* 44: 2515–2526. doi: 10.1111/jbi.13052

Burns CS & CW Fox. 2017. Language and socioeconomics predict geographic variation in peer review outcomes at an ecology journal. *Scientometrics* 113: 1113–1127. doi: 10.1007/s11192-017-2517-5

Fox CW. 2017. Difficulty of recruiting reviewers predicts review scores and editorial decisions at six journals of ecology and evolution. *Scientometrics* 113: 465-477. doi: 10.1007/s11192-017-2489-5
Media/blog attention:

Scholarly Kitchen: <https://scholarlykitchen.sspnet.org/2017/10/16/difficulty-finding-reviewers-taints-editorial-decisions>

Fox CW, R Zitomer, JB Deas & FJ Messina. 2017. Asymmetric evolution of egg laying behavior following reciprocal host shifts by a seed-feeding beetle. *Evolutionary Ecology* 31: 753-767. doi: 10.1007/s10682-017-9910-7

Fox CW, AYK Albert & TH Vines. 2017. Recruitment of reviewers is becoming harder at some journals: a test of the influence of reviewer fatigue at six journals in ecology and evolution. *Research Integrity and Peer Review* 2: 3. doi paper: 10.1186/s41073-017-0027-x, data: 10.5061/dryad.2jr8p

Fox CW, CS Burns, AD Muncy & JA Meyer. 2017. Author-suggested reviewers: Gender differences and influences on the peer review process at an ecology journal. *Functional Ecology* 31: 270-280. doi, paper: 10.1111/1365-2435.12665, data: 10.5061/dryad.37312.

Media/blog attention:

Dynamic Ecology (<http://dynamicecology.wordpress.com/2016/04/11/author-suggested-reviewers-and-their-effects-data-from-functional-ecology/>)

MusingsOne.com (<http://www.musingsone.com/2016/04/three-common-sources-of-error-in-peer.html>)

Fox CW, CET Paine & B Sauterey. 2016. Citations increase with manuscript length, author number, and references cited in ecology journals. *Ecology and Evolution* 6: 7717-7726. doi: 10.1002/ece3.2505

Media/blog attention:

Retraction Watch (<http://retractionwatch.com/2016/10/25/should-journals-abolish-word-limits-for-papers/>)

Rédaction Médicale et Scientifique (<http://www.h2mw.eu/redactionmedicale/2016/10/revues-d%C3%A9cologie-les-articles-les-plus-longes-avec-le-plus-dauteurs-et-le-plus-de-r%C3%A9f%C3%A9rences-seraient.html>)

Fox CW, CS Burns, AD Muncy & JA Meyer. 2016. Gender differences in patterns of authorship do not affect peer review outcomes at an ecology journal. *Functional Ecology* 30: 126-139. doi, paper: 10.1111/1365-2435.12587, data: 10.5061/dryad.0mv3q

Media/blog attention:

Wiley Exchanges (<https://hub.wiley.com/community/exchanges/discover/blog/2016/09/07/gender-bias-and-the-peer-review-process>)

Retraction Watch (<http://retractionwatch.com/2015/11/13/how-does-gender-influence-publishing-a-window-into-ecology-journal/>)

Dynamic Ecology (<https://dynamicecology.wordpress.com/2015/11/18/gender-and-peer-review-at-functional-ecology/>)

EEB & Flow (<https://evol-eco.blogspot.com/2016/10/reviewing-peer-review-gender-location.html>)

Amy Poehler's Smart Girls (<http://amysmartgirls.com/study-shows-female-editors-increased-this-scientific-journals-gender-equality/>)

- Fox CW**, CS Burns & JA Meyer. 2016. Editor and reviewer gender influence the peer review process but not peer review outcomes at an ecology journal. *Functional Ecology* 30: 140-153. doi, paper: 10.1111/1365-2435.12529, data: 10.5061/dryad.5090r
Media/blog attention:
Science (<http://www.sciencemag.org/careers/2015/11/when-women-are-missing-peer-review>)
Wiley Exchanges (<https://hub.wiley.com/community/exchanges/discover/blog/2016/09/07/gender-bias-and-the-peer-review-process>)
Retraction Watch (<http://retractionwatch.com/2015/11/13/how-does-gender-influence-publishing-a-window-into-ecology-journal/>)
Dynamic Ecology (<https://dynamicecology.wordpress.com/2015/11/18/gender-and-peer-review-at-functional-ecology/>)
EEB & Flow (<https://evol-eco.blogspot.com/2016/10/reviewing-peer-review-gender-location.html>)
Amy Poehler's Smart Girls (<http://amysmartgirls.com/study-shows-female-editors-increased-this-scientific-journals-gender-equality/>)
- Verdeny-Vilalta O, **CW Fox**, DH Wise, J Moya-Laraño. 2015. Foraging mode affects the evolution of egg size in generalist predators embedded in complex food webs. *Journal of Evolutionary Biology* 28: 1225-1233. doi: 10.1111/jeb.12647
- Fox CW** & CS Burns. 2015. The relationship between manuscript title structure and success: editorial decisions and citation performance for an ecological journal. *Ecology and Evolution* 5: 1970-1980. doi: 10.1002/ece3.1480
Media/blog attention:
Wiley Japan (<http://www.wiley.co.jp/blog/pse/?p=32008>)
- Cheng W, J Lei, JS Johnston, **CW Fox**, JS Johnston & K Zhu-Salzman. 2015. Comparison of life history and genetic properties of cowpea bruchid strains and their response to hypoxia. *Journal of Insect Physiology* 75: 5-11. doi: 10.1016/j.jinsphys.2015.02.008
- Messina FJ, BD Morris & **CW Fox**. 2013. Effect of inbreeding on host discrimination and other fitness components in a seed beetle. *Annals of the Entomological Society of America* 106: 128-135. doi: 10.1603/AN12103
- Fox CW**. 2013. The effect of inbreeding on natural selection in a seed-feeding beetle. 2013. *Journal of Evolutionary Biology* 26: 88-93. doi: 10.1111/jeb.12027
- Fox CW**, WG Wallin, ML Bush, ME Czesak & FJ Messina. 2012. Effects of seed beetles on the performance of two desert legumes depend on host species, plant stage, and beetle density. *Journal of Arid Environments* 80: 10-16. doi: 10.1016/j.jaridenv.2011.12.008
- Fox CW**, J Xu, WG Wallin & CL Curtis. 2012. Male inbreeding status affects female fitness in a seed-feeding beetle. *Journal of Evolutionary Biology* 25: 29-37. doi: 10.1111/j.1420-9101.2011.02400.x
- Amarillo-Suárez AR, RC Stillwell & **CW Fox**. 2011. Natural selection on body size is mediated by multiple interacting factors: a comparison of beetle populations varying naturally and experimentally in body size. *Ecology and Evolution* 1: 1-14. doi: 10.1002/ece3.1
- Messina FJ & **CW Fox**. 2011. Egg-dumping behavior is not correlated with wider host acceptance in the seed beetle *Callosobruchus maculatus* (Coleoptera: Chrysomelidae: Bruchinae). *Annals of the Entomological Society of America* 104: 850-856. doi: 10.1603/AN11040
- Fox CW**, JD Wagner, S Cline, FA Thomas & FJ Messina. 2011. Rapid evolution of lifespan in a novel environment: sex-specific responses and underlying genetic architecture. *Evolutionary Biology* 38: 182-196. doi: 10.1007/s11692-011-9116-9
- Fox CW** & DH Reed. 2011. Inbreeding depression increases with environmental stress: An experimental study and meta-analysis. *Evolution* 65: 246-258. doi, paper: 10.1111/j.1558-5646.2010.01108.x, data: 10.5061/dryad.1854 [*Faculty of 1000 selection*; f1000.com/8588956]
- Fox CW**, RC Stillwell, WG Wallin, CL Curtis & DH Reed. 2011. Inbreeding-environment interactions for fitness: Complex relationships between inbreeding depression and temperature stress in a seed-feeding beetle. *Evolutionary Ecology* 25: 25-43. doi: 10.1007/s10682-010-9376-3
- Fox CW** & DH Reed. 2010. Inbreeding depression increases with maternal age in a seed-feeding beetle. *Evolutionary Ecology Research* 12: 961-972.

- Fox CW**, ML Bush & FJ Messina. 2010. Biotypes of the seed beetle *Callosobruchus maculatus* have differing effects on the germination and growth of their legume hosts. *Agricultural and Forest Entomology* 12: 353-362. doi: 10.1111/j.1461-9563.2010.00484.x
- Fox CW** & J Moya-Laraño. 2009. Diet affects female mating behavior in a seed-feeding beetle. *Physiological Entomology* 34: 370-378. doi: 10.1111/j.1365-3032.2009.00700.x
- Saeki Y, PH Crowley, **CW Fox** & DA Potter. 2009. A sex-specific size-number trade-off in clonal broods. *Oikos* 118: 1552-1560. doi: 10.1111/j.1600-0706.2009.17571.x
- Fox CW** & RC Stillwell. 2009. Environmental effects on sex differences in the genetic load for adult lifespan in a seed-feeding beetle. *Heredity* 103: 62-72. doi: 10.1038/hdy.2009.31
- Stillwell RC & **CW Fox**. 2009. Geographic variation in body size, sexual size dimorphism and fitness components of a seed beetle: Local adaptation vs. phenotypic plasticity. *Oikos* 118: 703-712. doi: 10.1111/j.1600-0706.2008.17327.x
- Fox CW**, JD Wagner, S Cline, FA Thomas & FJ Messina. 2009. Genetic architecture underlying convergent evolution of egg-laying behavior in a seed-feeding beetle. *Genetica* 136: 179-187. doi: 10.1007/s10709-008-9334-y
- Stillwell RC, J Moya-Laraño & **CW Fox**. 2008. Selection does not favor larger body size at lower temperature in a seed-feeding beetle. *Evolution* 62: 2534-2544. doi: 10.1111/j.1558-5646.2008.00467.x
- Fox CW**, KL Scheibly & DH Reed. 2008. Experimental evolution of the genetic load and its implications for the genetic basis of inbreeding depression. *Evolution* 62: 2236-2249. doi: 10.1111/j.1558-5646.2008.00441.x [*Faculty of 1000 selection*; f1000.com/1115292]
- Moya-Laraño J, M El Tigani El-Sayyid & **CW Fox**. 2007. Smaller beetles are better scramble competitors at cooler temperatures. *Biology Letters* 3: 475-478. doi: 10.1098/rsbl.2007.0300
- Stillwell RC, GE Morse & **CW Fox**. 2007. Geographic variation in body size and sexual size dimorphism of a seed-feeding beetle. *The American Naturalist* 170: 358-369. doi: 10.1086/520118
- Stillwell RC & **CW Fox**. 2007. Environmental effects on sexual size dimorphism of a seed-feeding beetle. *Oecologia* 153: 273-280. doi: 10.1007/s00442-007-0724-0
- Stillwell RC, WG Wallin, LJ Hitchcock & **CW Fox**. 2007. Phenotypic plasticity in a complex world: Interactive effects of food and temperature on fitness components of a seed beetle. *Oecologia* 153: 309-321. doi: 10.1007/s00442-007-0748-5
- Carroll SP, AP Hendry, DN Reznick & **CW Fox**. 2007. Evolution on ecological time scales. *Functional Ecology* 21: 387-393. doi: 10.1111/j.1365-2435.2007.01289.x
- Fox CW**, KL Scheibly, BP Smith & WG Wallin. 2007. Inbreeding depression in two seed-feeding beetles, *Callosobruchus maculatus* and *Stator limbatus*. *The Bulletin of Entomological Research* 97: 49-54. doi: 10.1017/S0007485307004737
- Blanckenhorn WU, RC Stillwell, KA Young, **CW Fox** & KG Ashton. 2006. When Rensch meets Bergmann: Does sexual size dimorphism change systematically with latitude? *Evolution* 60: 2004-2011. doi: 10.1111/j.0014-3820.2006.tb01838.x
- Fox CW**, DM Gordon & P Bojang. 2006. Genetic and environmental sources of variation in survival on non-native host species in the generalist seed beetle, *Stator limbatus*. *The Southwestern Naturalist* 51: 490-501. doi: 10.1894/0038-4909(2006)51[490:GAESOV]2.0.CO;2
- Amarillo-Suárez AR & **CW Fox**. 2006. Population differences in host use by a seed-beetle – local adaptation, phenotypic plasticity and maternal effects. *Oecologia* 150: 247-258. doi: 10.1007/s00442-006-0516-y
- Fox CW**, KL Scheibly, WG Wallin, LJ Hitchcock, RC Stillwell & BP Smith. 2006. The genetic architecture of lifespan and mortality rates: Gender and species differences in inbreeding load of two seed-feeding beetles. *Genetics* 174: 763-773. doi: 10.1534/genetics.106.060392
- Fox CW**, RC Stillwell, WG Wallin & LJ Hitchcock. 2006. Temperature and host species affect nuptial gift size in a seed-feeding beetle. *Functional Ecology* 20: 1003-1011. doi: 10.1111/j.1365-

2435.2006.01197.x

- Fox CW** & KL Scheibly. 2006. Variation in inbreeding depression among populations of the seed beetle, *Stator limbatus*. *Entomologia Experimentalis et Applicata* 121: 137-144. doi: 10.1111/j.1570-8703.2006.00465.x
- Czesak ME, **CW Fox** & JB Wolf. 2006. Experimental evolution of phenotypic plasticity: How predictive are cross-environment genetic correlations? *The American Naturalist* 168: 323-335. doi: 10.1086/506919
- Moya-Laraño J & **CW Fox**. 2006. Total ejaculate size, second male body size and moderate polyandry increase female fecundity in a seed beetle. *Behavioral Ecology* 17: 940-946. doi: 10.1093/beheco/arl029
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- Fox CW** 2006. Colonization of a new host by a seed-feeding beetle: Genetic variation, maternal experience, and the effect of an alternate host. *Annales Zoologici Fennici* 43: 239-247.
- Fox CW** 2005. Problems in measuring among-family variation in inbreeding depression. *American Journal of Botany* 92: 1929-1932. doi: 10.3732/ajb.92.11.1929
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- Fox CW**, ME Czesak & WG Wallin. 2004. Complex genetic architecture of population differences in adult longevity of a beetle: Non-additive inheritance, gender differences, body size and a large maternal effect. *Journal of Evolutionary Biology* 17: 1007-1017. doi: 10.1111/j.1420-9101.2004.00752.x
- Fox CW**, RC Stillwell, AR Amarillo-S, ME Czesak & FJ Messina. 2004. Genetic architecture of population differences in oviposition behavior of the seed beetle *Callosobruchus maculatus*. *Journal of Evolutionary Biology* 17: 1141-1151. doi: 10.1111/j.1420-9101.2004.00719.x
- Cope JM & **CW Fox**. 2003. Oviposition decisions in the seed beetle *Callosobruchus maculatus* (Coleoptera: Bruchidae): Effects of seed size on superparasitism. *Journal of Stored Products Research* 39: 355-365. doi: 10.1016/S0022-474X(02)00028-0
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- Fox CW**, L Dublin & SJ Pollitt. 2003. Gender differences in mortality rates in two seed beetle species. *Functional Ecology* 17: 619-626. doi: 10.1046/j.1365-2435.2003.00781.x
- Fox CW** & J Moya-Laraño. 2003. Why organisms show late-life mortality plateaus: A null model for comparing patterns of mortality. *Evolutionary Ecology Research* 5: 999-1009.
- Fox CW** & CM Rauter. 2003. Bet-hedging and the evolution of multiple mating. *Evolutionary Ecology Research* 5: 273-286.
- Heath DD, JW Heath, CA Bryden, RM Johnson & **CW Fox**. 2003. Rapid evolution of egg size in captive salmon. *Science* 299: 1738-1740. doi: 10.1126/science.1079707
- **Fox CW** & DD Heath. 2003. Response to technical comment on "Rapid evolution of egg size in captive salmon" (I). *Science* 302: 59c. doi: 10.1126/science.1085855

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- Savalli UM., ME Czesak & **CW Fox**. 2000. Paternal investment in the seed beetle, *Callosobruchus maculatus* (Coleoptera: Bruchidae): Variation among populations. *Annals of the Entomological Society of America* 93: 1173-1178. doi: 10.1603/0013-8746(2000)093[1173:PIITSB]2.0.CO;2
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- Heath DD, **CW Fox** & JW Heath. 1999. Maternal effects on offspring size: Variation through early development of chinook salmon. *Evolution* 53: 1605-1611. doi: 10.2307/2640906
- Savalli UM & **CW Fox**. 1999. The effect of male mating history on paternal investment, fecundity, and female remating in the seed beetle *Callosobruchus maculatus*. *Functional Ecology* 13: 169-177. doi: 10.1046/j.1365-2435.1999.00287.x
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- Fox CW** 1998. Genetic and maternal influences on body size and development time in the seed beetle, *Stator limbatus* (Coleoptera: Bruchidae). *Annals of the Entomological Society of America* 91: 128-134.
- Fox CW** & UM Savalli. 1998. Inheritance of environmental variation in body size: Superparasitism of seeds affects progeny and grandprogeny body size via a non-genetic maternal effect. *Evolution* 52: 172-182. doi: 10.2307/2410932
- Savalli UM & **CW Fox**. 1998. Sexual selection and the fitness consequences of male body size in the seed beetle, *Stator limbatus*. *Animal Behaviour* 55: 473-483. doi: 10.1006/anbe.1997.0622
- Savalli UM & **CW Fox**. 1998. Genetic variation in paternal investment in a seed beetle. *Animal Behaviour* 56: 953-961. doi: 10.1006/anbe.1998.0853
- Fox CW**. 1997. The ecology of body size in a seed beetle, *Stator limbatus*: Persistence of environmental variation across generations? *Evolution* 51: 1005-1010. doi: 10.2307/2411176
- Fox CW**. 1997. Egg size manipulations in the seed beetle, *Stator limbatus*: consequences for progeny

- growth. *The Canadian Journal of Zoology* 75: 1465-1473. doi: 10.1139/z97-769
- Fox CW**, JA Nilsson & TA Mousseau. 1997. The ecology of diet expansion in a seed-feeding beetle - pre-existing variation, rapid adaptation and maternal effects? *Evolutionary Ecology* 11: 183-194. doi: 10.1023/A:1018499832664
- Fox CW**, MS Thakar & TA Mousseau. 1997. Egg size plasticity in a seed beetle: An adaptive maternal effect. *The American Naturalist* 149: 149-163. doi: 10.1086/285983
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- Fox CW**, AD Harbin & TA Mousseau. 1996. Suitability of a non-host palo verde for development of *Stator limbatus* (Coleoptera; Bruchidae) larvae. *The Pan-Pacific Entomologist* 72: 31-36.
- Fox CW**, JD Martin, MS Thakar & TA Mousseau. 1996. Clutch size manipulations in two seed beetles: consequences for progeny fitness. *Oecologia* 108: 88-94. doi: 10.1007/BF00333219
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- Fox CW** & TA Mousseau. 1995. Asymmetrical reproductive isolation between *Stator limbatus* (Horn) and *S. beali* Johnson (Coleoptera: Bruchidae). *The Coleopterists Bulletin* 49: 179-181.
- Fox CW**, LA McLennan & TA Mousseau. 1995. Male body size affects female lifetime reproductive success in a seed beetle. *Animal Behaviour* 50: 281-284. doi: 10.1006/anbe.1995.0242
- Fox CW**, KJ Waddell & TA Mousseau. 1995. Parental host plant affects offspring life histories in a seed beetle. *Ecology* 76: 402-411. doi: 10.2307/1941199
- Fox CW**, DL Hickman, EL Raleigh & TA Mousseau. 1995. Paternal investment in a seed beetle (Coleoptera: Bruchidae): influence of male size, age, and mating history. *Annals of the Entomological Society of America* 88: 100-103.
- Fox CW**, KJ Waddell, KD White, SH Faeth & TA Mousseau. 1995. Suppression of leafminer (Coleoptera: Buprestidae) populations on turkey oak (Fagaceae) using implants of acephate. *Environmental Entomology* 24: 1548-1556.
- Fox CW**. 1994. The influence of egg size on offspring performance in the seed beetle, *Callosobruchus maculatus*. *Oikos* 71: 321-325. doi: 10.2307/3546280
- Fox CW**. 1994. Maternal and genetic influences on egg size and larval performance in a seed beetle: Multigenerational transmission of a maternal effect? *Heredity* 73: 509-517. doi: 10.1038/hdy.1994.149
- Fox CW** & RL Caldwell. 1994. Host-associated fitness trade-offs do not limit the evolution of diet breadth in the small milkweed bug *Lygaeus kalmii* (Hemiptera: Lygaeidae). *Oecologia* 97: 382-389.
- Fox CW** & H Dingle. 1994. Dietary mediation of maternal age effects on offspring performance in a seed beetle (Coleoptera: Bruchidae). *Functional Ecology* 8: 600-606. doi: 10.2307/2389921
- Fox CW** & DL Hickman. 1994. Influence of oviposition substrate on female receptivity to multiple mating in *Callosobruchus maculatus* (Coleoptera: Bruchidae). *Annals of the Entomological Society of America* 87: 395-398.
- Fox CW** & M Tatar. 1994. Oviposition substrate affects adult mortality, independent of reproduction, in the seed beetle *Callosobruchus maculatus*. *Ecological Entomology* 19: 108-110. doi: 10.1111/j.1365-2311.1994.tb00399.x
- Fox CW**, KJ Waddell & TA Mousseau. 1994. Host-associated fitness variation in a seed beetle (Coleoptera: Bruchidae): evidence for local adaptation to a poor quality host. *Oecologia* 99: 329-336.

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- Fox CW.** 1993. A quantitative genetic analysis of oviposition preference and larval performance on two hosts in the bruchid beetle, *Callosobruchus maculatus*. *Evolution* 47: 166-175. doi: 10.2307/2410126
- Fox CW.** 1993. Multiple mating, lifetime fecundity and female mortality of the bruchid beetle *Callosobruchus maculatus* (Coleoptera: Bruchidae). *Functional Ecology* 7: 203-208. doi: 10.2307/2389888
- Fox CW.** 1993. The influence of maternal age and mating frequency on egg size and offspring performance in *Callosobruchus maculatus* (Coleoptera: Bruchidae). *Oecologia* 96: 139-146. doi: 10.1007/BF00318042
- Fox CW & RG Lalonde.** 1993. Host confusion and the evolution of insect diet breadths. *Oikos* 67: 577-581. doi: 10.2307/3545371

Editorials/Letters

- Fox CW, K Thomson, DJ Irschick, AK Knapp, CR White, E Aimé & JA Meyer.** 2017. 30 years of *Functional Ecology*. *Functional Ecology* 31: 4-6.
- Whitlock MC, JL Bronstein, EM Bruna, AM Ellison, **CW Fox**, MA McPeck, AJ Moore, MA Noor, MD Rausher, LH Rieseberg, MG Ritchie. 2016. A balanced data archiving policy for long-term studies. *Trends in Ecology and Evolution* 31: 84-85. doi: 10.1016/j.tree.2015.12.001
- Fox CW, DJ Irschick, AK Knapp, K Thompson, L Baker, J Meyer.** 2015. *Functional Ecology*: the evolution of an ecological journal. *Functional Ecology* 29: 1-2. doi: 10.1111/1365-2435.12387
- Fox CW, DJ Irschick, AK Knapp, K Thompson, L Baker, J Meyer.** 2014. *Functional Ecology*: Moving forward into a new era of publishing. *Functional Ecology* 28: 291-292. doi: 10.1111/1365-2435.12254
- Irschick DJ, **C Fox**, K Thompson, A Knapp, L Baker & J Meyer. 2013. *Functional ecology*: integrative research in the modern age of ecology. *Functional Ecology* 27: 1-4. doi: 10.1111/1365-2435.12037
- Gale GA, **CW Fox** & R Frankham. 2012. In memoriam: David H. Reed (24 March 1963 – 24 October 2011). *Animal Conservation* 15: 113-114. doi: 10.1111/j.1469-1795.2011.00515.x
- Frankham R, GA Gale, **CW Fox**, EH Bryant, BP Noonan, RB Page, K Traylor-Holzer, TN Kristensen. 2012. Obituary: David H Reed (24 March 1963-24 October 2011). *Conservation Genetics* 13: 307-309. doi: 10.1007/s10592-012-0322-5
- Abbot P., *et al.* (137 authors listed alphabetically). 2011. Inclusive fitness theory and eusociality. *Nature* 471: E1-E4. doi: 10.1038/nature09831
- Fox C, K Thompson, F Messina & L Baker.** 2010. So what is *functional ecology* anyway. *Bulletin of the British Ecological Society* 40(4): 66-67.
- Martinez del Rio, C, **C Fox** & W Foster. 2010. Author and editor comment. *Functional Ecology* 24: 243.
- Fox C, K Thompson, J Cresswell, F Messina & L Baker.** 2008. Editorial. *Functional Ecology* 22: 1-2.
- Robinson D, S Chown, **C Fox**, K Thompson & J Cresswell. 2005. Editorial. *Functional Ecology* 19: 201.

Book Reviews

- Fox CW.** 2010. All that I am, I owe to my mother. Review of: *Maternal Effects in Mammals*, edited by Dario Maestriperi and Jill M. Mateo. *Trends in Ecology and Evolution* 25: 323-324. doi:10.1016/j.tree.2010.01.006
- Mousseau TA & **CW Fox.** 1994. Evolution of Life: Processes, Patterns, and Prospects, by Michael L. McKinney. *Quarterly Review of Biology* 69: 94-95. <http://www.jstor.org/stable/3036061>

Published Photographs

- Savalli UM & **CW Fox.** 1996. Photograph of *Stator limbatus* on *Acacia greggii* seeds. *Science* 273: 1334.
- Savalli UM & **CW Fox.** 1996. Photograph demonstrating egg size plasticity in *Stator limbatus*. *Science* 273: 1334.

Letters to the Editor

Sharkey MJ & CW Fox. 2000. Humans, apes have ancestor in common. Lexington Herald-Leader, Lexington, Kentucky.

Other Publications from My Laboratory

Dillard JR. 2016. High rates of extra-pair paternity in a socially monogamous beetle with biparental care. *Ecological Entomology in press*. doi: 10.1111/een.12346

Savalli UM 2001. Sexual selection. Pp 207-221 in **CW Fox**, DA Roff & D Fairbairn (eds.) *Evolutionary Ecology: Concepts and Case Studies*. Oxford University Press, New York.

Grants and Fellowships

- 2016 – 2017 NSF I/UCRC Center for Arthropod Management (CAMTech). Integrating IPM into IRM theory for improved resistance management and pest suppression. Charles Fox (PI), John Obrycki (co-PI). \$60,000 per year for two years.
- 2012 – 2017 United States Department of Agriculture, Kentucky Agricultural Experiment Station. Inbreeding depression in mating biology following population bottlenecks in a storage pest. Charles W. Fox (PI). Funding is variable among years averaging ~\$39,000 per year.
- 2006 – 2012 United States Department of Agriculture, Kentucky Agricultural Experiment Station. Inbreeding and the fitness consequences of colonizing novel environments in herbivorous insects. Charles W. Fox (PI). Funding is variable among years averaging ~\$47,000 per year.
- 2004 National Science Foundation, EPSCoR (through Kentucky EPSCoR). The evolution of genetic architecture in an agricultural pest of stored beans. Charles W. Fox and James Wagner (co-PIs). \$16,181.60.
- 2003 University of Kentucky, Research Committee Grant. Covariation and differentiation of juvenile and adult morphology. Charles W. Fox (PI). \$5870.
- 2003 – 2004 Fundación para la Promoción de la Investigación y la Tecnología (Colombia). Variación en el uso de plantas hospederas y sus consecuencias para la evolución de vida en *Stator limbatus* (Coleoptera: Bruchidae). Angela R. Amarillo Suárez (PI) and Charles W. Fox (Co-PI). Project number 1568. 9,372,000 Colombian pesos (\approx \$3430).
- 2001 – 2005 National Science Foundation. The evolutionary genetics of sexual-size dimorphism in a seed-feeding beetle. Charles W. Fox (PI) and Claudia M. Rauter (co-PI). DEB-01-10754 (became DEB-02-71929 when Claudia moved to Nebraska). \$254,000. Received an REU Supplement in 2003 (\$6,000), 2004 (\$12,000), and 2005 (\$6000).
- 2001 – 2004 National Science Foundation. Indirect genetic effects of parental care behavior. Claudia M. Rauter and Charles W. Fox (co-PIs). IBN-01-12418. \$274,161.
- 2001 National Science Foundation, EPSCoR (through Kentucky EPSCoR). Do maternal effects help mediate host range expansion of a seed-feeding beetle onto exotic host species? David M. Gordon and Charles W. Fox (co-PIs). \$14,910.
- 2000 – 2006 United States Department of Agriculture, University of Kentucky Agricultural Experiment Station. Consequences of variation in host plant resistance for the evolution of offspring size in a seed-feeding beetle. Charles W. Fox (PI). Funding is variable among years averaging ~\$45,000 per year.
- 2000 – 2001 University of Kentucky, Research Committee Grant. The influence of parental care on genetic variance components. Charles W. Fox (PI). \$4,935.
- 1998 – 2001 National Science Foundation. The evolutionary genetics of an adaptive maternal effect: Egg size plasticity in a seed beetle. DEB-98-07315 (Fordham University) and DEB-99-

- 96371 (University of Kentucky). Charles W. Fox (PI). \$220,000. Received an REU Supplement in 1999 (\$5,000) and 2000 (\$5,000).
- 1997 – 1998 Fordham University, Faculty Research Grant. Genetic variation in egg size plasticity in a seed beetle. \$4,000. Charles W. Fox (PI).
- 1994 – 1996 National Science Foundation, Postdoctoral Fellowship in Environmental Biology. The evolution of diet breadth in two seed-feeding beetles. Charles W. Fox (PI). DEB-94-03244. \$69,600.
- 1994 – 1997 National Science Foundation. Genetic variation for maternal ovipositional preferences and offspring growth and survival. Timothy A. Mousseau (PI) and Charles W. Fox (post-doc). DEB-94-09004. \$218,000.
- 1993 – 1995 United States Department of Agriculture. Preference/performance relationships in a leaf-mining beetle. Timothy A. Mousseau (PI) and Charles W. Fox (post-doc). USDA/CSRS Grant no. 93-01887. \$71,012.
- 1990 – 1993 National Institute of Health, Training Grant. Graduate Group in Genetics, University of California, Berkeley. □\$25,500 + tuition and registration fees.
- 1987 – 1988 Graduate Fellowship, University of California, Riverside. \$6,650.
- 1986 – 1987 Henry A. Jastro Scholarship, University of California, Davis. \$1,200.
- 1985 – 1986 The American Legion Scholarship, Post 299, Chino, California. \$500.
- 1984 – 1985 The American Legion Scholarship, Post 299, Chino, California. \$500.

Presented Papers/Invited Seminars (* = invited) (excludes lunch/informal seminars at home institution)

- 1992 Society for the Study of Evolution, Berkeley, CA.
- 1994 Society for the Study of Evolution, Athens, GA.
- 1995 Society for the Study of Evolution, Montreal, Canada.
- 1995 Ecological Society of America, Snowbird, UT.
- 1995* Department of Biological Sciences, Fordham University, Bronx, NY (job seminar).
- 1996* Society for the Study of Evolution, St. Louis, MS – Symposium: *Maternal Effects as Adaptations*.
- 1997* Department of Entomology, Rutgers University, New Brunswick, NJ.
- 1997 Society for the Study of Evolution, Boulder, CO (2 talks).
- 1997* Department of Ecology and Evolution, SUNY, Stony Brook, NY.
- 1997* American Museum of Natural History, New York Entomological Society, New York, NY.
- 1997* Department of Entomology, University of Maryland, College Park, MD.
- 1998* Department of Ecology and Evolutionary Biology, Brown University, Providence, RI.
- 1999* Department of Biology, University of Nevada, Las Vegas, NV.
- 1999* Department of Biology, Virginia Tech, Blacksburg, VA.
- 1999* Department of Biology, University of Northern British Columbia, Prince George, BC.
- 1999* Department of Biochemistry and Biology, University of Houston, Houston, TX.
- 1999* Department of Biology, University of California, Riverside, CA.
- 1999* Department of Entomology, University of Kentucky, Lexington, KY (job seminar).
- 1999* Department of Entomology, Ohio State University, Columbus, Ohio.
- 1999* School of Biological Sciences, University of Kentucky, Lexington, KY.
- 2000 Entomological Society of America, North-Central Branch meeting, Minneapolis, MN.
- 2000 Society for the Study of Evolution, Bloomington, IN.
- 2000* Departments of Botany and Zoology (co-sponsored), University of Toronto, Toronto, Ontario (two talks).
- 2000* Department of Entomology and the Center for Community Genetics, University of Minnesota,

- Minneapolis, MN (two talks).
- 2000* Department of Biology, University of Akron, Akron, OH (two talks).
 - 2001* Department of Biology, Centre College, Danville, KY.
 - 2001* Department of Biology, Transylvania University, Lexington, KY.
 - 2001* Department of Biological Sciences, University of Cincinnati, Cincinnati, OH.
 - 2001* Department of Biology, University of California, Riverside, CA.
 - 2002* Department of Biology, University of Louisville, Louisville, KY.
 - 2002* Department of Biology, Utah State University, Logan, UT.
 - 2002* Department of Entomology, University of California, Davis, CA.
 - 2002* Department of Integrative Biology, University of California, Berkeley, CA.
 - 2002* Department of Life Sciences, Indiana State University, Terre Haute, IN.
 - 2002* Department of Ecology and Evolutionary Biology, University of Tennessee, Knoxville, TN.
 - 2002* Department of Biological Sciences, Illinois State University, Normal, IL.
 - 2002* Department of Biology, University of Pennsylvania, Philadelphia, PA.
 - 2003* European Society of Evolutionary Biologists, Leeds, England (Symposium – Reproductive Investment).
 - 2003 Entomological Society of America, Cincinnati, OH.
 - 2004* Estacion Experimental Zonas Aridas, Almeria, Spain.
 - 2004* Biología Animal y Ecología, Universidad de Granada, Granada, Spain.
 - 2004* International Congress of Entomology, Brisbane, Australia – Symposium: Genetic and Evolutionary Mechanisms of Response to Environmental Change
 - 2004* School of Biological Sciences, University of Manchester, Manchester, England.
 - 2007* Department of Entomology, University of Illinois, Urbana-Champaign, IL.
 - 2007* Department of Ecology & Evolutionary Biology, University of Arizona, Tucson, AZ.
 - 2007* School of Biological Sciences, University of Manchester, Manchester, England.
 - 2008* School of Biological Sciences, University of Wollongong, Wollongong, Australia; keynote speaker at 2nd Workshop in Evolutionary Biology, *Evolution of Parental Effects: Conceptual Issues and Empirical Patterns*.
 - 2008* Department of Zoology, University of Melbourne, Melbourne, Australia.
 - 2008* Department of Entomology, University of Arkansas, Fayetteville, AR.
 - 2008* Department of Animal and Plant Sciences, University of Sheffield, Sheffield, England.
 - 2009* Darwin 200 Años symposium, Bogotá, Colombia.
 - 2009* Sociedad Colombiana de Entomología, Bogotá, Colombia.
 - 2009* Facultad de Estudios Ambientales y Rurales, Universidad Javeriana, Bogotá, Colombia.
 - 2009* Department of Biology, University of Nevada, Reno, Nevada.
 - 2009* Zoological Museum, University of Zürich (December; first talk of visit), Zürich, Switzerland.
 - 2010* Zoological Museum, University of Zürich (January; second talk of visit), Zürich, Switzerland.
 - 2010* Department of Biology, University of Louisville, Louisville, KY.
 - 2012* Zoologiska Institutionen, Stockholm Universitet, Stockholm, Sweden (two talks).
 - 2012* Department of Ecology and Evolutionary Biology, Rice University, Houston, TX.
 - 2012* Department of Biological Sciences, University of Windsor, Canada.
 - 2012* Nanjing Forestry University, Nanjing, China.
 - 2012* Workshop: *Publishing in International Journals*, Nanjing Forestry University, Nanjing, China.
 - 2012* Chinese Agricultural University, Beijing, China.
 - 2012* Chinese Academy of Sciences' South China Botanic Garden, Guangzhou, China.
 - 2012* Yangtze University, Jingzhou, China (two talks)
 - 2013* Workshop: *Maximising the impact of your research paper*, 11th INTECOL Congress, London, England.
 - 2013* Workshop: *Writing and publishing scientific papers if English is not your first language*, 11th

- INTECOL Congress, London, England.
- 2013* Department of Biology, Centre College, Danville, KY.
- 2013* Plenary speaker, 29th Annual Meeting of the Society of Population Ecology, Osaka, Japan.
- 2013* Osaka Prefecture University, Sakai, Osaka, Japan (two talks).
- 2014* Department of Biological Sciences, University of Illinois at Chicago (two talks)
- 2014* Global Change Biology Seminar Series, University of California at Berkeley.
- 2014* Department of Entomology, University of California at Davis.
https://www.youtube.com/watch?v=SFliOO_O6aE
- 2014* Department of Biology, University of Alabama at Birmingham.
- 2014* Workshop: *Changing Practices in Data Publication*, American Institute of Biological Sciences, Washington DC
- 2015* College of Communication and Information, University of Kentucky, Lexington, KY.
- 2015* Department of Biology and Biochemistry, University of Bath, England, United Kingdom.
- 2015* School of Biological Sciences, University of Edinburgh, Scotland, United Kingdom (Student Choice Speaker).
- 2015* British Ecological Society, Darwin House, London, England, United Kingdom.
- 2015* Department of Bioscience - Genetics, Ecology and Evolution, University of Aarhus, Denmark.
- 2015* Introductory speaker, moderator for panel discussion: *Future of data archiving*, Annual meeting of the British Ecological Society, Edinburgh, United Kingdom.
https://www.youtube.com/watch?v=PipwOZ_Ds6A
- 2016* Department of Entomology, University of Kentucky, Lexington, KY.
- 2016* Webinar (chair), *Becoming an Associate Editor*, hosted by the British Ecological Society,
<https://www.eventbrite.co.uk/e/becoming-an-associate-editor-tickets-29474177057>
<https://www.youtube.com/watch?v=roZI9ERSV44>
- 2016* Symposium: *Toward a mechanistic understanding of global change ecology: Looking forward from Functional Ecology's three decade trajectory*, Annual meeting of the British Ecological Society, Liverpool, United Kingdom; <https://www.youtube.com/watch?v=jvcESjYBv3A>
- 2016* Panel, *Becoming an Associate Editor*, Annual meeting of the British Ecological Society, Liverpool, United Kingdom

Academic Advisors, Advisees and Collaborators

Graduate Dissertation Committee:

- Roy L. Caldwell, Chair of Committee, Integrative Biology, Univ. California, Berkeley
Montgomery W. Slatkin, Co-Chair of Committee, Integrative Biology, Univ. California, Berkeley
Hugh Dingle, Dept. Entomology & Center for Population Biology, Univ. California, Davis
James L. Patton, Dept. Integrative Biology & Museum of Vertebrate Zoology, Univ. California, Berkeley
Stephen Welter, Entomology, Univ. California, Berkeley

Post-doctoral Advisor:

- Timothy A. Mousseau, Biological Sciences, University of South Carolina

Post-doctoral Advisees:

- Boris Sauterey (2016-present) Department of Entomology, University of Kentucky
Joseph B. Deas (2013-2015) Department of Entomology, University of Kentucky (currently a post-doc in the Department of Organismic and Evolutionary Biology, Harvard Univ., Cambridge, MA)
Jordi Moya-Laraño (2002-2003) Department of Entomology, University of Kentucky (currently a Tenured Scientist at Estación Experimental de Zonas Áridas, Almeria, Spain)

Claudia M. Rauter (1999-2002) Department of Entomology, University of Kentucky (currently Assistant Professor at Univ. Nebraska Omaha)

Udo M. Savalli (1996-1999) Louis Calder Center, Fordham University, NY, (1999-2001) Department of Entomology, University of Kentucky (currently Lecturer at Arizona State Univ., West Campus, Phoenix, AZ)

PhD Students:

Allyssa Kilanowski (co-advisor)(PhD *in progress*) Biological Sciences, University of Kentucky, KY
Jacqueline R. Dillard (co-advisor)(PhD *in progress*) Biological Sciences, University of Kentucky, KY

R. Craig Stillwell (PhD 2007) Entomology, University of Kentucky, KY (2007 Gamma Sigma Delta Outstanding Ph.D. Student Award) (currently, post-doctoral fellow, Université de Lausanne)

Angela R. Amarillo-Suárez (PhD 2006) Entomology, University of Kentucky, KY (currently Profesora Asociada, Departamento de Ecología y Territorio, Pontificia Universidad Javeriana, Bogotá, Colombia)

Mary Ellen Czesak (PhD 2001) Entomology, University of Kentucky, KY (currently Department of Biology, Vassar College, Poughkeepsie, NY)

MS students:

Josiah Ritchey (MS *in progress*) Entomology, University of Kentucky, KY

William Licht (MS 2017) Entomology, University of Kentucky, KY

PhD Committees:

Allison McLaughlin (PhD *in progress*) Biological Sciences, University of Kentucky, KY

Grayson McWhorter (PhD *in progress*) Entomology, University of Kentucky, KY

Thorsten Hansen (PhD *in progress*) Entomology, University of Kentucky, KY

Katherine Sasser (PhD *in progress*) Biological Sciences, University of Kentucky, KY

Luc Arnaud Dunoyer (PhD *in progress*) Biological Sciences, University of Kentucky, KY

Michelle Giedt (PhD *in progress*) Biological Sciences, University of Kentucky, KY

Justin Kratovil (PhD 2017) Biological Sciences, University of Kentucky, KY

Robin Bagley (PhD 2017) Biological Sciences, University of Kentucky, KY

Scott Hotaling (PhD 2017) Biological Sciences, University of Kentucky, KY

Richard Biemiller (PhD 2016) Entomology, University of Kentucky, KY

Mads Fristrup Schou (PhD 2015) Bioscience (Genetics, Ecology and Evolution), University of Aarhus, Denmark (external opponent)

Jennifer Gordon (PhD 2014) Entomology, University of Kentucky, KY

Ignazio Graziosi (PhD 2014) Entomology, University of Kentucky, KY

Daniel P. Wetzel (PhD 2013) Biological Sciences, University of Kentucky, KY

Kelton Welch (PhD 2013) Entomology, University of Kentucky, KY

Sanh Kin Diep (PhD 2012) Biological Sciences, University of Kentucky, KY (external examiner)

Yoriko Saeki (PhD 2012) Biological Sciences, University of Kentucky, KY

Kausalya Shenoy (PhD 2012) Biological Sciences, University of Kentucky, KY

Bridget Sousa (PhD 2012) Biological Sciences, University of Kentucky, KY

Jimmy Mains (PhD 2012) Entomology, University of Kentucky, KY

Lina Söderlind (PhD 2012) Zoology, University of Stockholm (external opponent)

Timothy Sesterhenn (PhD 2011) Biological Sciences, University of Kentucky, KY

Eunho Suh (PhD 2011) Entomology, University of Kentucky, KY

Mary Klugh Hart (PhD 2011) Biological Sciences, University of Kentucky, KY

Luke Dodd (PhD 2010) Entomology, University of Kentucky, KY

Zhaolin Zhang (PhD 2009) Entomology, University of Kentucky, KY

Corey Brelsfoard (PhD 2009) Entomology, University of Kentucky, KY

W. Rodney Cooper (PhD 2007) Entomology, University of Kentucky, KY

Felix Zajitschek (PhD 2007) Biological, Earth and Environmental Sciences, University of New South

Wales, Australia (external examiner)

Zhijoung Xi (PhD 2005) Entomology, University of Kentucky, KY

Judith Elizabeth Lock (PhD 2005) Faculty of Life Science, University of Manchester, United Kingdom (external examiner)

John H. Niedzwiecki (PhD 2005) Biological Sciences, University of Kentucky, KY

Bradley F. Dickey (PhD 2004) Biological Sciences, University of Kentucky, KY

Linda Fuselier (PhD 2004) Biological Sciences, University of Kentucky, KY

Thomas M. McCarthy (PhD 2003) Biological Sciences, University of Kentucky, KY (outside examiner)

J. Chadwick Johnson (PhD 2003) Biological Sciences, University of Kentucky, KY

Eric Marsland (PhD 2003) Entomology, University of Kentucky, KY

Matthew Turnbull (PhD in 2002) Entomology, University of Kentucky, KY

Roland Hilgarth (PhD 2001) Entomology, University of Kentucky, KY

Grant S. McIntyre (PhD 2000) Biological Sciences, University of Alberta, Edmonton, Canada (external examiner)

Bryan G. Spohn (PhD 2000) Entomology, University of Kentucky, KY

Jennifer Anne Sadowski (PhD 1999) Biological Sciences, University of Kentucky, KY

A. Jeyakumar (PhD 1999) Entomology Research Institute, University of Madras, India

Linde E. T. Ostro (PhD 1998) Biological Sciences, Fordham University, NY

Scott C. Silver (PhD 1997) Biological Sciences, Fordham University, NY

MS Thesis Committees:

Sarah Preston (MS *in progress*) Entomology, University of Kentucky, KY

Ilgoo Kang (MS 2017) Entomology, University of Kentucky, KY

J. Ray Fisher (MS 2009) Entomology, University of Kentucky, KY

Shelly Kay Kellogg (MS 2004) Entomology, University of Kentucky, KY

Tria Kinnard (MS 2002) Biological Sciences, University of Kentucky, KY

Malorie Gelinias (MS 2001) Biology, McGill University, Montreal, Quebec, Canada

Thomas Pucci (MS 2001) Entomology, University of Kentucky, KY

John C. McCool (MS 1999) Biological Sciences, Fordham University, NY

Alissa A. Huss (MS 1998) Biological Sciences, Fordham University, NY

Undergraduate Researchers (* indicates co-author on published or in prep manuscript)

University of Kentucky:

Research Assistants (paid)

*Anna Muncy (Fall 2011 – Spring 2012)

Blake Grigsby (Summer 2011)

Sheldon McLetchie (Summer 2011 – Fall 2011)

Dan McCamish (Spring 2011 – Spring 2012)

Ian Becker (Fall 2010 – Spring 2012)

Jessica Ryan Connors (Fall 2010–Spring 2011)

Adam Kesheimer (Spring 2010–Summer 2010)

Sabrina Saia (Fall 2009–Summer 2010)

Russell Cunningham (Fall 2009–Spring 2010)

Adam Dickinson (Summer 2009)

Kevin Handel (Summer 2009–Summer 2010)

Brittany Schneider (Spring 2009–Spring 2010)

Bonnie Leksrisawat (Fall 2008–Spring 2009)

Jacob R. Beard (Fall 2008)

Student Independent Research

(credit or REU/Epscor summer stipend)

Adan Deeb (Fall 2017)

Evan Blanford (Spring 2017 – Fall 2017)

Jesse James Salazar III (Spring 2016)

*Josiah Ritchey (Summer 2014)

Charles Bumgardner (Spring 2014)

Nick Thomas (Spring 2014)

Elliot Campbell (Fall 2013 – Spring 2014)

Daniel Sullivan (Fall 2013 – Spring 2014)

*Rachel Zitomer (Summer 2013)

Fariba Kanga (Fall 2012–Spring 2013)

Michael Allen Stidham (Summer 2012–Fall 2012)

Alexis Kriete (Summer 2012)

*Renu Ramesh (Fall 2010–Fall 2011)

Adam Dickinson (Spring 2009)

- Jessica Huber (Summer 2007)
Katherine (Katie) Huber (Summer 2007)
Emily Cottrell (Spring 2007–Summer 2007)
Alysha Lewis (Spring 2007)
Taylor Tardy (Fall 2006–Summer 2008)
*Carrie Curtis (Summer 2006–Spring 2007)
Christopher Ryan Ernst (Summer 2005)
Lauren Cline (Summer 2004)
Fabiola Djojo (Summer 2004)
Scott Serdoz (Fall 2003–Spring 2004)
Denise Johnson (Fall 2003–Summer 2005)
Chee Beng Yap (Richard; Summer–Fall 2003)
*Ana Lucia P. DeSouza (Summer 2003–Fall 2004)
*Lisa Hitchcock (Summer 2003–Summer 2006)
Maria Gomez (Summer 2003)
Lana Ng (Spring 2003)
Oriaku Njoku (Fall 2002–Summer 2005)
Laura Hettinger (Fall 2002–Spring 2003)
Kim Carrico (Spring 2002–2003)
Jennifer L. McCauley (Fall 2001)
Stephanie Wyatt (Fall 2001–Spring 2002)
J. Matt Fulkerson (Summer 2001–Fall 2001)
Jennifer L. Smith (Spring 2001–Spring 2002)
R. Nathan Correll (Spring 2001–Spring 2002)
Carolyn M. Thornton (Spr. 2001–Fall 2001)
E. Courtney Elkins (Fall 2000–Spring 2003)
Brad A. Graham (Fall 2000)
Leigh Ann Pass (Fall 2000)
- Fordham University (*includes two high school students*):
*Elizabeth Morgan (1999) Calder Summer Undergraduate Research Program
*Jason M. Cope (1998) Calder Summer Undergraduate Research Program
Eric Levine (1997–1999), Greeley High School, Chappaqua, NY
Russ Mehta (1996–1997), Byram Hills High School, Armonk, NY
- University of South Carolina (*Tim Mousseau was the official advisor of these students, but they worked with me*)
Tameika Dawkins (1995)
*Amy D. Harbin (1995–1996)
Reka Kovacs (1995)
*John D. Martin (1995)
- University of California at Davis (*includes only students that are co-authors on publications*)
*Debra L. Hickman (1993–1994)
- Bonnie Leksrissawat (Spring 2009)
William (Billy) Etheridge (Summer 2007)
*Carrie Curtis (Fall 2006)
Brian Schleter (Fall 2006)
*Benjamin Smith (Fall 2005)
Oriaku Njoku (Summer 2004)
*Frances Ann Thomas (Summer 2004;
Transylvania University student)
*Sara Cline (Summer 2004; Transylvania
University student)
*Maysaa El Tigani El-Sayyid (Fall 2003–Spring
2004)
E. Courtney Elkins (Fall 2002)
R. Nathan Correll (Fall 2001–Spring 2002)
Jennifer L. Smith (Fall 2001–Spring 2002)
*Marsha Bush (Summer 2001, Spring–Fall
2002, Fall 2003)
Jennifer L. McCauley (Spring 2001)
R. Keith Rickman (Spring–Fall 2001)
*Pasano Bojang (Summer 2001; KSU student)
*Natasha Mwale (Summer 2001; KSU student)
*Sarah J. Pollitt (Fall 2000)
*La'Tansha Dublin (Fall 2000)

Professional Services

General

Board of Directors, Dryad Digital Repository (DataDryad.org), 2013 – 2019; Treasurer (2014 – 2017);
Finance Committee (Chair, 2014 – 2017); member of the Membership Task Force (2013 – present).

Grant Panels

Science Foundation Ireland; Ecology, Evolutionary, Environmental and Organismal Biology (EOB) panel of the Research Frontiers Programme, February 2008

National Science Foundation Panel Advisor – Population Biology, April 2000

National Science Foundation Panel Advisor – Dissertation Improvement Grants, Ecological and Evolutionary Physiology, March 1996

Symposium/meeting organization

Organizer, Symposium – “Towards a mechanistic understanding of global change ecology” at the annual meeting of the British Ecological Society, December 2016.

Co-organizer, special issue of Functional Ecology – “Evolution on Ecological Timescales” with Andrew Hendry, Scott Carroll and David Reznick. Published June 2007.

University of Kentucky Center for Ecology, Evolution and Behavior Annual Spring Research Symposium (organizer – May 2003, May 2004, May 2005, May 2006, May 2007, May 2008, May 2015)

Co-organizer, Symposium – “Maternal Effects as Adaptations” with Timothy A. Mousseau, annual meeting of the Society for the Study of Evolution, St. Louis, 1996

Local Arrangements Committee, 2003 annual meeting of the Entomological Society of America. Cincinnati, OH

Manuscript Reviews for:

Aging Cell

Agricultural and Forest Entomology

American Naturalist

American Zoologist

Animal Behavior

Annals of the Entomological Society of America

Behavioral Ecology

Behavioral Ecology and Sociobiology

Biology Letters

BMC Evolutionary Biology

Cambridge Univ. Press - Book Chapters

Canadian Journal of Zoology

Coleopterist's Bulletin, The

Ecological Entomology

Ecology

Écoscience

Entomologia Experimentalis et Applicata

Environmental Entomology

Ethology

Evolution

Evolutionary Ecology

Evolutionary Ecology Research

Functional Ecology

Genetica

Heredity

Integrative and Comparative Biology

Journal of Animal Ecology

Journal of Evolutionary Biology

Journal of Insect Behavior

Journal of Insect Physiology

Journal of Insect Science

Nature

Oecologia

Oikos

Oxford Univ. Press – Book chapters

Physiological Entomology

PLOS One

Population Ecology

Proceedings of the National Academy of Sciences

Proceedings of the Royal Society of London B

Quarterly Review of Biology

Science

Proposal Reviews:

Cambridge University Press – Book proposals

National Environment Research Council, Great Britain

National Science Foundation, USA

National Sciences and Engineering Research Council of Canada

Oxford University Press – Book proposals

WCB/McGraw Hill – Book proposal

University Services (at the University of Kentucky)

Departmental Service: (Committees encompass academic years unless otherwise noted)

Acting chairman (sabbatical replacement; June–August 2011)
Ad-hoc long range planning committee (2012–2013)
Advisory Committee (2008–present)
Curriculum Committee (chair, January 2004–May 2016)
Director of Undergraduate Studies (January 2004–June 2009)
Director of Graduate Studies (July 2009–June 2018)
Electron Microscope Committee (never met) (2000–2003)
Faculty Search Committees: Insect Physiologist (2001–2002), Department chair (2002–2003), Insect Ecologist (2007), Integrated Arthropod Biologist (2015)
Faculty Secretary (2000–2001)
Linnaean Team captain (1999)
Seminar Coordinator (2000–present)
Awards Committee (2002–2003)
Social Committee (1999–2002)

College Service (College of Agriculture):

Recommendation Committee: Harold R. Burton Endowed Professorship in Plant Biochemistry (chair; Fall 2013)
Graduate Curriculum Committee (2009–2010, 2014–present)
Advising for undergraduate students majoring in Agricultural Biotechnology (3-9 students per year; 1999 – present)
Agricultural Biotechnology Advisory/Steering Committee (2002–2008; 2017–present)
Undergraduate Curriculum Committee (2005–2007)
Natural Resource Initiative Planning Committee (June 2007–2008)
Gamma Sigma Delta Outstanding Ph.D. Student award committee (Spring 2008, Spring 2010)
Review Committee for the *College of Agriculture* (March-July 2007)
Kentucky Agricultural Experiment Station: Research Committee (2002–2004)
Scholarship Review Committee (Spring 2002, Spring 2005)
College Advisory Committee for Appointment, Promotion and Tenure (2006–2008, 2011–2012, chair: 2012-2013)
Faculty Advisor, Agricultural Biotechnology Club (2000–2001)
Faculty Advisor, UK Pre-Med Association (2000–2001)

University Service:

New Budget Model Faculty Advisory Work Team (Fall 2013–2014)
Presidential Fellowship faculty review committee (Spring 2013, 2014)
University Senate (elected faculty senator; 2006–2009, 2012–2015)
Research Committee (2012–2015); Multi-Disciplinary Research Centers sub-committee (chair, Fall 2012)
Graduate Council (Fall 2004 [sabbatical replacement]; 2010–2013)
Graduate School Academic Year Fellowship review committee (Spring 2012)
Research Support Grants review committee (Fall 2011)
CEEB Kentucky Opportunity Fellowship review committee (Spring 2010, 2011)
University delegate to the *Organization for Tropical Studies* (OTS) (2005–2016)
Faculty judge, University of Kentucky Graduate Student Congress' 3rd annual interdisciplinary graduate student conference (3 April 2009)
Science Advisory Committee, *Tracy Farmer Center for the Environment* (January 2005–July 2006)
Goldwater Scholarship selection committee (Spring 2004)

Electronic Theses and Dissertations Committee + ETD Procedures Sub-committee (2002–2003)
Coordinator, annual “Center for Ecology, Evolution and Behavior Spring Research Symposium”; a 2-day symposium with students, faculty, and invited speakers (2002–2008)
Organizer, Invasive Species symposium (Fall 2008)
Director, *Center for Ecology, Evolution and Behavior* (2001–2007)

Other service

Board of Directors, Dryad Digital Repository (2013–present); Governance committee (2013–present);
Preservation policy task force (2013–present); Executive director review process task force
(2013–present)