# LAURA F. GALLOWAY

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## EDUCATION

1994 Ph.D. Population Biology, University of California Davis, Advisor: Maureen L. Stanton
1984 B.A. Biology, Oberlin College

## PROFESSIONAL APPOINTMENTS

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|---|---|---|---|
| 2021- | Associate Dean for the Sciences, College of Arts & Sciences | | University of Virginia |
| 2017- | Commonwealth Professor of Biology | | University of Virginia |
| 2012-2017 | Departmental Chair | Department of Biology | University of Virginia |
| 2009-2017 | Professor | Department of Biology | University of Virginia |
| 2003-2009 | Associate Professor | Department of Biology | University of Virginia |
| 1996-2003 | Assistant Professor | Department of Biology | University of Virginia |
| 1994-1996 | Postdoctoral Research Associate (Advisor: Charles B. Fenster) | | Univ. of Maryland |

## PROFESSIONAL RECOGNITION

***Awards***

2019 Z Society, Recognition for Service
2006 Z Society, Recognition for Contributions to UVA Undergraduate Experience
1996 Johns Creek Fellowship, Mountain Lake Biological Station
1993 Merton R. Love Outstanding Ecology and Evolution Graduate Student Award, UC Davis
1987-92 Fellowships, UC Davis (Henry A. Jastro, Regents Fellowship, Gail E. & Ruth M. Oliver)

***Editorial Positions***

2018- Associate Editor, *Proceedings of the Royal Society B: Biological Sciences*
2009-12 Editor, *New Phytologist*
2009 Guest Editor, *New Phytologist*
2006-09 Board of Advisors to the Editors, *New Phytologist*
2006-08 Associate Editor, *Ecology*
2003-05 Associate Editor, *Evolution*

***Professional Society Positions (Elected)***

2021 President-Elect, Society for the Study of Evolution (2022 President)
2014-16 North American Vice-President, Society for the Study of Evolution
2010-13 Council Member, Society for the Study of Evolution
2007-10 Treasurer, Botanical Society of America
1998-99 Vice-Chair, Plant Population Biology Section, Ecological Society of America

***Professional Society Positions (Appointed)***

2019- Financial Advisory Committee, Botanical Society of America
2018 Organizer, SouthEastern Population and Evolutionary Genetics Meeting (SEPEEG)
2014-16 Nominating Committee, American Society of Naturalists (Chair, 2016)
2014-16 Dobzhansky Award Committee, Society for the Study of Evolution
2011 SJ Gould Award Committee, Society for the Study of Evolution
2010-16 Rosemary Grant Award Committee, Society for the Study of Evolution (Chair twice)
2008-10 Young Investigator Award Committee, American Society of Naturalists (Chair, 2008)
2007-10 Investment Committee, Botanical Society of America
2007-10 Executive Committee, Botanical Society of America
2001 Organizer, SouthEastern Population and Evolutionary Genetics Meeting (SEPEEG)

***Program Review***

2021 University of South Carolina, Department of Biological Sciences
2017 University of Maryland Baltimore County, Department of Biological Sciences
2015 George Washington University, Department of Biological Sciences
2010 University of Maine, School of Biology and Ecology

## PUBLICATIONS

Sutherland, B. L. and L. F. Galloway. 2021.Variation in heteroploid reproduction and gene flow across a polyploid complex: one size does not fit all. *Ecology & Evolution* 11: 9676–9688. DOI: 10.1002/ece3.7791

Prior, C. J., N. C. Layman, M. H. Koski, L. F. Galloway and J. W. Busch. Species range expansion involved colonization from two mid-latitude origins in a North American forest herb. *Molecular Ecology, accepted with minor revisions*.

Sutherland, B. L., T. Miranda-Katz and L. F. Galloway. 2020. Strength in numbers? Cytotype frequency mediates effect of reproductive barriers in mixed-ploidy populations. *Evolution,* https://doi.org/10.1111/evo.14077.

Koski, M. H. and L. F. Galloway. 2020. Temperature and historical colonization shape geographic variation in petal reflectance and coloration*. Frontiers in Plant Science* 11: 991.

Koski, M. H., A. Berardi and L. F. Galloway. 2020. Pollen color morphs take different paths to fitness. *Journal of Evolutionary Biology* 33: 388–400.

Koski, M. H., C. J. Prior, N. C. Layman, J. W. Busch and L. F. Galloway. 2019. Selfing ability and drift load evolve with range expansion. *Evolution Letters* 3: 500-512.

Koski, M. H., L. F. Galloway and J. W. Busch. 2019. Pollen limitation and autonomous selfing ability interact to shape variation in outcrossing rate across a species range. *American Journal of Botany* 106: 1240–1247.

Ison, J. L., E. S. L. Tuan, M. H. Koski, J. S. Whalen and L. F. Galloway. 2019. The role of pollinator preference in the maintenance of pollen color variation. *Annals of Botany* 123: 951-960.

Sutherland, B. L., and L. F. Galloway. 2018. Effects of glaciation and whole genome duplication on the distribution of the *Campanula rotundifolia* polyploid complex. *American Journal of Botany* 105: 1760-1770.

Galloway, L. F., R. H. B Watson and H. R. Prendeville. 2018. Response to joint selection on germination and flowering phenology depends on the direction of selection. *Ecology and Evolution* 8: 7688-7696.

Koski, M. H., J. L. Ison, A. Padilla, A. Pham, and L. F. Galloway. 2018. Linking pollinator efficiency to patterns of pollen limitation: small bees exploit the plant-pollinator mutualism. *Proceedings of the Royal Society B* 285: 20180635.

Leibman, L., A. Rowe, M. H. Koski and L. F. Galloway. 2018. Populations with greater flexibility in floral traits modify mating system in response to the pollinator environment. *Functional Ecology* 32: 1457-1466.

Sutherland, B. L., B. M. Quarles and L. F. Galloway. 2018. Intercontinental dispersal and whole-genome duplication contribute to loss of self-incompatibility in a polyploid complex. *American Journal of Botany* 105: 249-256.

Koski, M. H., L. Kuo, K. Niedermaier and L. F. Galloway. 2018. Timing is everything: dichogamy and pollen germinability underlie variation in autonomous selfing among populations. *American Journal of Botany* 105: 241-248.

Koski, M. H. and L. F. Galloway. 2018. Geographic variation in pollen color is related to temperature stress. *New Phytologist* 218: 370-379.

Barnard-Kubow, K. B. and L. F. Galloway. 2017. Variation in reproductive isolation across a species range. *Ecology and Evolution* 7: 9347-9357.

Zettlemoyer, M., H. R. Prendeville and L. F. Galloway. 2017. The effect of a latitudinal environmental gradient on germination patterns. *International Journal of Plant Sciences* 178: 673-679.

Koski, M. H., D. L. Grossenbacher, J. W. Busch and L. F. Galloway. 2017. A geographic cline in the ability to self-fertilize is unrelated to the pollination environment. *Ecology* 98: 2930-2939.

Barringer, B. C. and L. F. Galloway. 2017. The reproductive ecology of diploid and tetraploid *Galax urceolata*. *American Midland Naturalist* 177: 299-308.

Barnard-Kubow, K. B., M. A. McCoy and L. F. Galloway. 2017. Biparental chloroplast inheritance rescues cytonuclear incompatibility. *New Phytologist* 213: 1466-1476.

Sutherland, B. L. and L. F. Galloway. 2017. Postzygotic isolation varies by ploidy level within a polyploid complex. *New Phytologist* 213: 404-412.

Barnard-Kubow, K. B. and L. F. Galloway. 2016. Cytonuclear incompatibility contributes to the early stages of speciation. *Evolution* 70: 2752-2766.

Dai, C., X. Liang, J. Ren, M. Liao, J. Li, and L. F. Galloway. 2016. The mean and variability of a floral trait have opposing effects on fitness traits. *Annals of Botany* 117: 421-429.

Kilkenny, F. F. and L. F. Galloway. 2015. Evolution of marginal populations of an invasive vine increases the likelihood of future spread. *New Phytologist* 209: 1773-1780.

Barnard-Kubow, K. B., C. L. Debban and L. F. Galloway. 2015. Multiple glacial refugia lead to genetic structuring and the potential for reproductive isolation in an herbaceous plant.

*American Journal of Botany* 102: 1842-1853.

Prendeville, H.R., J. C. Steven and L. F. Galloway. 2015. Spatiotemporal variation in deer browse and tolerance in a woodland herb. *Ecology* 96: 471-478.

Barnard-Kubow, K. B., D. B. Sloan and L. F. Galloway. 2014. Correlation between sequence divergence and polymorphism reveals similar evolutionary mechanisms acting across multiple timescales in a rapidly evolving plastid genome. *BMC Evolutionary Biology* 14: 260-277.

McGlothlin, J. M. and L. F. Galloway. 2014. The contribution of maternal effects to selection response: an empirical test of competing models. *Evolution* 68: 549-558.

Dai, C. and L. F. Galloway. 2013. Sexual selection in a hermaphroditic plant through female reproductive success. *Journal of Evolutionary Biology* 26: 2622-2632.

Prendeville, H. R., K. Barnard-Kubow, C. Dai, B. C. Barringer and L. F. Galloway. 2013. Clinal variation for only some phenological traits across a species range. *Oecologia* 173: 421-430.

Evans, G. A., F. F. Kilkenny and L. F. Galloway. 2013. Evolution of competitive ability within *Lonicera japonica*'s invaded range. *International Journal of Plant Sciences* 174: 740-748.

Kilkenny, F. F. and L. F. Galloway. 2013. Adaptive divergence at the margin of an invaded range. *Evolution* 67: 722-731.

Beans, C. M., F. F. Kilkenny and L. F. Galloway. 2012. Climate suitability and human influences combined explain the range expansion of an invasive horticultural plant. *Biological Invasions* 14: 2067-2078.

Barringer, B. C., E. A. Kulka and L. F. Galloway. 2012. Reduced inbreeding depression in peripheral relative to central populations of a monocarpic herb. *Journal of Evolutionary Biology* 25: 1200-1208.

Galloway, L. F. and K. S. Burgess. 2012. Artificial selection on flowering time: Influence on reproductive phenology across natural light environments. *Journal of Ecology* 100: 852-861.

Dai, C. and L. F. Galloway. 2012. Male flowers are better fathers than hermaphroditic ones in andromonoecious *Passiflora incarnata*. *New Phytologist* 193: 787-796.

Dai, C. and L. F. Galloway. 2011. Do dichogamy and herkogamy reduce sexual interference in a self-incompatible species? *Functional Ecology* 25: 271-278.

Haggerty, B. P., and L. F. Galloway. 2011. Response of individual components of reproductive phenology to growing season length in a monocarpic herb. *Journal of Ecology* 99: 242-253.

Lin, S. M., and L. F. Galloway. 2010. Environmental context determines within- and between-generation consequences of herbivory. *Oecologia* 163: 911-920.

Galloway, L. F., J. R. Etterson, and J. W. McGlothlin. 2009. The contribution of direct and maternal genetic effects to life history evolution. *New Phytologist* 183: 826-838.

Galloway, L. F., and K. S. Burgess. 2009. Manipulation of flowering time: phenological integration and maternal effects. *Ecology* 90: 2139-2148.

Galloway, L. F., and J. R. Etterson. 2009. Plasticity to canopy shade in a monocarpic herb: within and between generation effects. *New Phytologist* 182: 1003-1012.

Priest, N. K., D. A. Roach, and L. F. Galloway. 2009. Reply: Support for a pluralistic view of behavioural evolution. *Biology Letters* 5: 28-29.

Johnson, L. M. K., and L. F. Galloway. 2008. From horticultural plantings into wild populations: movement of pollen and genes in *Lobelia cardinalis*. *Plant Ecology* 197: 55-67.

Kilkenny, F. F., and L. F. Galloway. 2008. Reproductive success in varying light environments: direct and indirect effects of light on plants and pollinators. *Oecologia* 155: 247-255.

Priest, N. K., D. A. Roach, and L. F. Galloway. 2008. Cross-generational fitness benefits of mating and male seminal fluid. *Biology Letters* 4: 6-8.

Bell, D. L., and L. F. Galloway. 2008. Population differentiation for plasticity to light in an annual herb: adaptation and cost. *American Journal of Botany* 95: 59-65.

Priest, N. K., L. F. Galloway, and D. A. Roach. 2008. Mating frequency and inclusive fitness in *Drosophila melanogaster*. *American Naturalist* 171: 10-21.

Galloway, L. F., and J. R. Etterson. 2007. Transgenerational plasticity is adaptive in the wild. *Science* 318: 1134-1136.

Burgess, K. S., J. R. Etterson, and L. F. Galloway. 2007. Artificial selection shifts flowering phenology and other correlated traits in an autotetraploid herb. *Heredity* 99: 641-648.

Etterson, J. R., S. R. Keller, and L. F. Galloway. 2007. Epistatic and cytonuclear interactions govern hybrid breakdown in the autotetraploid *Campanulastrum americanum*. *Evolution* 61: 2671-1683.

Bell, D. L., and L. F. Galloway. 2007. Plasticity to neighbor shade: fitness consequences and allometry. *Functional Ecology* 21: 1146-1153.

Priest, N. K., D. A. Roach and L. F. Galloway. 2007. Mating-induced recombination in fruit flies. *Evolution* 61: 160-167.

Galloway, L. F., and J. R. Etterson. 2007. Inbreeding depression in an autotetraploid herb: a three cohort field study. *New Phytologist* 173: 383-392.

Kruszewski, L., and L. F. Galloway. 2006. Explaining outcrossing rate in *Campanulastrum americanum* (Campanulaceae): geitonogamy and cryptic self-incompatibility. *International Journal of Plant Sciences* 167: 455-461.

Galloway, L. F. 2005. Maternal effects provide phenotypic adaptation to local environmental conditions. *New Phytologist* 166: 93-100.

Galloway, L. F., and J. R. Etterson. 2005. Population differentiation and hybrid success in *Campanula americana*: geography and genome size. *Journal of Evolutionary Biology* 18: 81-89.

Lau, J., and L. F. Galloway. 2004. Effects of low-efficiency pollinators on plant fitness and floral trait evolution in *Campanula americana* (Campanulaceae). *Oecologia* 141: 577-583.

Galloway, L. F., J. R. Etterson, and J. L. Hamrick. 2003. Outcrossing rates and inbreeding depression in the herbaceous autotetraploid *Campanula americana*. *Heredity* 90: 308-15.

Galloway, L. F., T. Cirigliano and K. Gremski. 2002. The contribution of display size and dichogamy to potential geitonogamy in *Campanula americana*. *International Journal of*

*Plant Sciences* 163: 133-139.

Evanhoe, L., and L. F. Galloway. 2002. Floral longevity in *Campanula americana* (Campanulaceae): a comparison of morphological and functional gender phases. *American Journal of Botany* 89: 587-591.

Galloway, L. F. 2002. The effect of maternal phenology on offspring life history in the herbaceous plant *Campanula americana*. *Journal of Ecology* 90: 851-858.

Etterson, J. R., and L. F. Galloway. 2002. The influence of light on paternal plants in *Campanula americana* (Campanulaceae): pollen characteristics and offspring traits. *American Journal of Botany* 89: 1899-1906.

Galloway, L. F. and C. B. Fenster. 2001. Nuclear and cytoplasmic contributions to intraspecific divergence in an annual legume. *Evolution* 55: 488-497.

Galloway, L. F. 2001. Parental environmental effects on life history in the herbaceous plant *Campanula americana*. *Ecology* 82: 2781-2789.

Galloway, L. F. 2001. The effect of maternal and paternal environments on seed characters in the herbaceous plant, *Campanula americana* (Campanulaceae). *American Journal of Botany* 88: 832-840.

Galloway, L. F., and C. B. Fenster. 2000. Population differentiation in an annual legume: local adaptation. *Evolution* 54: 1173-1181.

Fenster, C. B., and L. F. Galloway. 2000. Population differentiation in an annual legume: genetic architecture. *Evolution* 54: 1157-1172.

Fenster, C. B., and L. F. Galloway. 2000. Inbreeding and outbreeding depression in natural populations of *Chamaecrista fasciculata* (Fabaceae): consequences for conservation biology. *Conservation Biology* 14: 1406-1412.

Fenster, C. B., and L. F. Galloway. 2000. The contribution of epistasis to the evolution of natural populations: a case study of an annual plant. In: Epistasis and the evolutionary process, J. B. Wolf, E. D. Brodie, and M. J. Wade (eds), Oxford University Press, Oxford. pp 232-244.

Galloway, L. F., and C. B. Fenster. 1999. The effect of nuclear and cytoplasmic genes on fitness and local adaptation in an annual legume. *Evolution* 53: 1734-1743.

Nagy, E. S., L. Strong, and L. F. Galloway. 1999. Contribution of delayed autonomous selfing to reproductive success in Mountain Laurel, *Kalmia latifolia* (Ericaceae). *American Midland Naturalist* 142: 39-46.

Fenster, C. B., L. F. Galloway, and L. Chao. 1997. Epistasis and its consequences for the evolution of natural populations. *Trends in Ecology and Evolution* 12: 282-286. (also, Reply 12: 400.)

Fenster, C. B., and L. F. Galloway. 1997. Developmental homeostasis and floral form: evolutionary consequences and genetic basis. *International Journal of Plant Science* 158: S121-S130.

Delph, L. F., L. F. Galloway and M. L. Stanton. 1996. Sexual dimorphism in flower size: adaptation versus constraint. *American Naturalist* 148: 299-320.

Galloway, L. F. 1995. Response to natural environmental heterogeneity: maternal effects and selection on life-history characters and plasticities in *Mimulus guttatus*. *Evolution* 49: 1095-1107.

Ashman, T-L., L. F. Galloway and M. L. Stanton. 1993. Apparent vs. effective mating in an experimental population of *Raphanus sativus*. *Oecologia* 96: 102-107.

Stanton, M. L., T.-L. Ashman, L. F. Galloway and H. J. Young. 1992. Estimating male fitness in natural plant populations. In: Plant reproductive ecology: New approaches, R. Wyatt, ed. Chapman and Hall, New York. pp. 62-90.

Stanton, M. L., and L. F. Galloway. 1990. Natural selection and allocation to reproduction in flowering plants. In: Sex allocation and sex change: Experiments and models, M. Mangel, ed. American Mathematical Society. Providence, Rhode Island. pp. 1-50.

Galen, C., T. Gregory and L. F. Galloway. 1989. Costs of self-pollination in a self-incompatible plant, *Polemonium viscosum*. *American Journal of Botany* 76: 1675-1680.

Zimmerman, M., E. S. Nagy and L. Galloway. 1987. Nectar dispersion patterns in three Australian plant species. *Australian Journal of Ecology* 12: 183-188.

Davidson, E. A., L. F. Galloway and M. K. Strand. 1987. Assessing available carbon: Comparison of techniques across selected forest soils. *Communications in Soil Science and Plant Analysis* 18: 45-64.

Cure, J. D., L. F. Galloway, D. W. Israel and T. W. Rufty. 1986. Influence of nitrogen on vegetation response to carbon dioxide 1. Interaction of nitrogen and phosphorus supply on soybean growth and nutrition parameters. Report prepared for the U.S. Dept. of Energy.

Davidson, E. A., M. K. Strand and L. F. Galloway. 1985. Evaluation of the most probable number method for enumeration of denitrifying bacteria populations. *Soil Science Society of America Journal* 49: 642-645.

## GRANTS

NSF DGE-2021791, “NRT-ROL: Interdisciplinary Studies of the Phenotype: EXPANDing Training in Research and Careers.” 07/20-6/25, $2,999,999. PI; Co-PIs: E. D. Brodie III, J. Connelly & D. Roach.

NSF DEB-1457686, **“**Does genetic load drive mating system evolution? Tests in an explicit historical context.” 8/15-12/18, $371,778 (including $7,000 REU supplement; $24,778 ROA Supplement). PI, Jeremiah Busch Co-PI.

NSF DEB-1210513, “DISSERTATION RESEARCH: Within species reproductive isolation: does chloroplast inheritance mediate cytonuclear incompatibility?” 6/12-5/14, $14,969 (K. Barnard-Kubow co-PI)

NSF DEB-1020717, “Determining the contribution of maternal effects to population differentiation in an herbaceous plant.” 7/10-6/14, $658,528 (including $39,367 REU/RET and $25,720 ROA supplements).

NSF DEB-0922214, “Collaborative Research: Population differentiation in an autotetraploid herb: genetic divergence and outbreeding depression.” 9/09-8/11, $91,786.

Thomas F. and Kate Miller Jeffress Memorial Trust, "Evolution at the edge: the role of genetic variation in the North American invasion by Japanese honeysuckle (*Lonicera japonica*)." 7/07-12/08, $26,492.

NSF DEB-0316298, "Using manipulated phenotypes to evaluate the contribution of maternal effects to life history evolution in an herbaceous plant." 7/03-6/09, $428,000 (including $30,000 from 5 REU Supplements).

NSF DEB-0206258, "Dissertation research: The maintenance of genetic variation for phenotypic plasticity in *Geranium carolinianum*: the roles of cost and adaptation" (support for Daniela Bell's research). 7/02-6/04, $8,676

NSF DEB-0120446, "Dissertation research: The consequences of sexual conflict on offspring fitness" (support for Nicholas Priest's research), Deborah Roach co-PI. 9/01-8/03, $9,905

UVA FEST Exploratory, "Predicting evolutionary potential in polyploids: an evaluation of quantitative genetics theory." 7/01-6/02, $10,000

NSF DEB-0073316, "Dissertation research: The potential for gene flow and introgression into a locally-adapted population of *Lobelia cardinalis*" (support for Linda Johnson's research). 5/00-5/02, $6,191

NSF DEB-9974126, "The contribution of genetic and environmental maternal effects to life history evolution." 7/99-7/03, $244,000 (including $17,000 in 3 REU Supplements)

NSF DEB-9752947, "The contribution of parental effects to life history evolution in *Campanula americana*." 10/97-3/00, $75,000 (including $5,000 REU Supplement)

Sigma Xi Grants-in-Aid of Research: 1991, 1992

Center for Population Biology Research Grant, UC Davis: 1990, 1991, 1992, 1993

Botany Department Travel Award, UC Davis: 1990, 1991, 1992

Jastro-Shields Graduate Research Scholarship, UC Davis: 1990, 1991, 1992

## INVITED SEMINARS (recent)

2021 *Symposium*: Speciation mechanisms in plants, Botanical Society of America (with M. Koski, J. Busch)
2020 INRAE (Montpellier, France)
2019 Norwegian University of Science and Technology (NTNU, Norway)
2018 University of Toronto
*Symposium*: DuPont Pioneer Plant Sciences: Plants in an evolving world, University of Georgia
*Symposium*: Pollen limitation in a changing world: How does environmental variation influence plant reproduction? Ecological Society of America (with M.H. Koski)
2017 Purdue University
Hubei University (Wuhan, China)
*Symposium*: Ecology and Evolution of Plant Mating Systems, International Botanical Congress (Shenzhen, China)
Mountain Lake Biological Station
2016 College of William & Mary

*Symposium*: Co-evolving genomes: cooperation and conflict in cytonuclear interactions, Society for the Study of Evolution (with K.B Barnard-Kubow)
2014 University of Wisconsin, Milwaukee
James Madison University
2013 Mountain Lake Biological Station
Duke University
University of Minnesota
2012 East Carolina University
St. Andrews University (Scotland)
*Symposium*: Maternal effects on health and fitness: perspectives from the biomedical and evolutionary sciences, Wellcome Trust, University of Edinburgh (Scotland)
University of Toronto (Canada)

## CONTRIBUTED PAPERS (recent)

2019 SouthEastern Population Ecology & Evolutionary Genetics: H. Makowski, M.H. Koski & L.F. Galloway (poster)
2018 European Society for Evolutionary Biology: 2 presentations
Botanical Society of America: J.L. Ison, E.S.L. Tuan, M.H. Koski, J.S. Whalen & L.F. Galloway
SouthEastern Population Ecology & Evolutionary Genetics: 2 presentations
2017 International Botanical Congress: M. Koski & L. Galloway (poster)
Society for the Study of Evolution: 6 presentations/posters
2016 Evolutionary Demography Society: H.R. Prendeville & L.F. Galloway
Botanical Society of America: B.L. Sutherland & L.F. Galloway
Society for the Study of Evolution: B.L. Sutherland & L.F. Galloway
2015 European Society for Evolutionary Biology: B.L. Sutherland & L.F. Galloway (poster)
SouthEastern Population Ecology & Evolutionary Genetics: C.L. Debban & L.F. Galloway (poster)
2014 Society for the Study of Evolution (Raleigh, NC): three presentations, K. Barnard-Kubow & L. Galloway; B. Sutherland & L. Galloway; A. Post & L. Galloway (poster)
Ecological Society of America (Portland, OR), H. Prendeville, J. Steven & L. Galloway

## PROFESSIONAL SERVICE

*Professional Society Service*
2021- President's Award Committee, Society for the Study of Evolution

*Grant Review Panels*
2010 NSF Evolutionary Ecology Advisory Panel
2006 NSF Evolutionary Genetics Advisory Panel
2004 USDA Biology of Weedy and Invasive Plants Grant Review Panel
2003 NSF Population Biology Advisory Panel
2001 NSF Doctoral Dissertation Advisory Panel
1997 NSF Doctoral Dissertation Advisory Panel
1996 NSF Doctoral Dissertation Advisory Panel

## UNIVERSITY SERVICE

2021 Promotion & Tenure Committee, Provost Office
2020 Committee for Selection of Sr Assoc Dean Finance & Admin, College Arts & Sciences
2019 Committee for Selection of Biology Chair, College of Arts & Sciences (Chair)
2019 Animal dissections Ad Hoc Committee, Provost Office
2018-20 Promotion & Tenure Committee, College of Arts & Sciences
2018-20 Internal Review Committee, VPR
2018 Committee for Reappointment Review of College of Arts & Sciences Dean
2014-17 Committee on Academic Priorities, College of Arts & Sciences
2014-15 Committee on Research & Faculty Development, College of Arts & Sciences
2012-14 Committee on Priorities and Resources, College of Arts & Sciences
2009-12 Nominating Committee, College of Arts & Sciences (Chair 2012)
2009 Associate Dean for Undergraduate Academic Programs Search Committee
2009 Leadership in Academic Matters Program
2008 Harrison Award Reviewer, Faculty Senate
2006-07 Academic Affairs Committee, Faculty Senate
2005-09 At-Large member, Faculty Senate
2003 Sesquicentennial Leave Evaluation Committee, College of Arts & Sciences
1999 Workshop on Team Teaching, Teaching Resource Center
1997 Ecologist/Arboretum Curator Search Committee, Dept. of Environmental Sciences

## DEPARTMENTAL SERVICE

2019-21 Peer Evaluation Committee (Chair 2021)
2019 Promotion Committee
2018-19 Graduate Committee
2018 Promotion Committee
2012-17 Department Chair
2010-12 Graduate Committee
2009-12 Distinguished Majors Program Advisory Committee
2010-11 Evolutionary Biologist Search Committee (Chair)
2007-11 Equal Opportunity Officer
2009 Promotion Committee
2008-10 Steering Committee
2008-09 Development Search Committee
2008-09 Biology Chair Selection Committee (Chair)
2007-09 Graduate Committee
2007-08 Microbiology Search Committee
2004-05 Director of Mountain Lake Biological Station Search Committee
2004-06 Director of Undergraduate Programs
2001-06 Undergraduate Committee (Chair 2004-2006)
2003-05 Steering Committee
2000-03 Equal Opportunity Officer
1998-99 Graduate Committee
1997-98 Evolutionary Biologist Search Committee
1993 Coordinator Population Biology Seminar Series (UC Davis)
1988 Coordinator Ecology Graduate Student Colloquium (UC Davis)

## MENTORING

### Faculty Mentoring

*Biology Department:* six faculty
*Mid-Career Faculty Mentoring Initiative* (Develop & lead program) 2011-12
*Excellence in Diversity Fellows Program:* 4 faculty members

### Post-Doctoral Mentoring

Antoine Perrier 2021-
Matt Koski 2015-2019
Holly Prendeville 2011-2014
Brian Barringer 2008-2009
Kevin Burgess 2004-2006
Julie Etterson 2000-2002

### Graduate Mentoring

*Ph.D. Advisor:*

Keric Lamb, Ph.D. (Current), "Genetic factors of range expansion"

Hanna Makowski, Ph.D. (Current), "The role of mating system in colonization"

Catherine Debban, Ph.D. 2019, "Reproductive isolation and gene flow vary among contact zones between incipient species"

Brittany Sutherland, Ph.D. 2017, "Interploid reproductive isolation in the *Campanula rotundifolia* polyploid complex"

Karen Barnard-Kubow, Ph.D. 2015, "Cytonuclear incompatibility contributes to incipient speciation"

Francis Kilkenny, Ph.D. 2011, "Gene flow and adaptation in *Lonicera japonica*"

Can Ashley Dai, Ph.D. 2011, "Sexual selection in a hermaphroditic plant"

Nicholas Priest, Ph.D. 2006, "The role of cross-generational fitness tradeoffs in the evolution of mating behavior"

Daniela Bell, Ph.D. 2004, "The maintenance of genetic variation for patterns of phenotypic plasticity in *Geranium carolinianum*: the roles of cost and adaptation"

Linda Johnson, Ph.D. 2003, "Gene flow, pollen competition, and introgression among cultivated and wild populations of *Lobelia cardinalis*"

*M.S. Advisor:*

Ray Watson, M.S. 2019. "Gene expression evolution during sunflower (*Helianthus annuus)* domestication"

Hanqin Wu, M.S. 2018, "Evaluating possible reinforcement in *Campanula americana*: Response to postzygotic isolation by increasing selfing?"

Lindsay Dierkes, M.S. 2009, "Maintenance of flower color variation in *Tradescantia ohiensis* (Commelinaceae): Potential roles of indirect selection"

Brian Haggerty, M.S. 2006, "Responses to growing season length in the American bellflower, *Campanulastrum americanum*: implications for climate change"

*M.A. Advisor:*

Gregory Evans, M.A. (Conservation Focus) 2011, "Intraspecific competition in *Lonicera*

*japonica*"

Elysa Miller, M.A. (Conservation Focus) 2008, "Evidence for cold adaptation in *Lonicera japonica?*"

*Ph.D. in Biology, Committee Member:*

*first reader* – Caroline Bush (Current), Liza Mitchem 2021, Alyssa Bangerter 2021, Brian Sanderson 2016, Corlett Wood 2015, Carolyn Beans 2014, Andrea Berardi 2014, Melissa Aikens 2013, Tami Ransom 2011, Stephanie Held Goodrich 2009, Linda Green 2006, Johanna Kraus 2006, Gregory Ruthig 2006, Erica Crespi 2001

*member* – Robert Porter (Current), Sarah McPeek (Current), Phoebe Cook (Current), Rachana Bhave (Current), Yang Yu (Current), Robin Costello 2020, Gabriela Toledo 2018, Ariel Kahrl 2017, Leleña Avila 2015, Hilary Edgington 2015, Jessica Abbate 2012, Patricia Oikawa 2011, Dexter Sowell 2010, Patrice Ludwig 2008, Stephen Keller 2007, Don Church 2003, Sheri Church 2002, Scott Freeman 2002, Leslie Rissler 2000

*Ph.D. in Environmental Science, Committee Member:*

Gerald Woodworth 2017, Itiya Aneece 2016, Gerald Frost 2013, Dana Gulbransen 2013, Bret Wolfe 2012, Laura Reynolds 2012, Eric Elton 2011, Eric Bricker 2009, Thomas Mozdzer 2009, Jordan Barr 2005, Sanghoon Kang 2005, Arthur Schwarzchild 2004, Mads Thomsen 2004, Monika Calef 2003, Amber Soja 2003, Peter Dowty 1998

*M.S. in Biology, Committee Member:*

Megan Sebasky 2014, Eric Yoshizuka 2010, Matt Edwards 2006, Erikka Conrad 2005, Kevin Stilwell 2001, Gina Pisoni 1999, Gretchen Arnold 1997

*M.S. in Environmental Science, Committee Member:*

Kelcy Kent 2018, Gina Digiantonio 2017, Alexandra Bijak 2015

*M.A. in Biology, Committee Member:*

Danielle Racke 2014, Sarah Tacke 2011

*UVA Mentoring Institute: Graduate mentor 2019*

*External Examiner/Committee member*:

Elena Meyer, Virginia Commonwealth University, Ph.D. *Current*
Elena Albertsen, Norwegian University of Science and Technology Biology Ph.D. 2019
Brechann McGoey, University of Toronto Biology, Ph.D. 2018
Marisa Naciuk, Columbus State University Biology, M.S. 2015
Sara Martin, University of Guelph Biology, Ph.D. 2008

**Undergraduate Mentoring**

*Biology Independent Research*:

Megan Turner 2021, Regan Myers, 2021, Olivia Keenan 2020, Austin Kim 2019, Claire Waterhouse 2018, Nathan Maizels 2017, Kerstin Niedermaier 2016, Anne Rowe 2015, Richard Hankins 2015, Dustin Wessells 2014, Bria Friestad 2014, Meredith Zettlemoyer 2014, Mia Garino 2013, Morgan McCoy 2013, Zachary Spires 2013, Connor Johnson 2012, Mohanraj Nagaraja 2012, Elizabeth Olberding 2012, Elissa Trieu 2012, Remington Wong 2011, Gregory Evans 2010, Allison Gaynor 2010, Jie Ren 2010, Lam Tsz Nina So 2010, Lauren Wilson 2010, Lidia Mikolaenko 2009, Maria Mikolaenko 2009, Tim Park 2009, Campbell Grant 2008, M. Brett Jones 2008, Zoya Munif 2008, A. Catherine Pham 2008,

Amy Kochanowsky 2005, Huyen Truong 2005, Jessie Painter 2004, Katharine Shepard 2004, Julie Carson 2003, Giza High 2002, Elizabeth Saunders 2002, Alison Smith 2002, Emily Hurst 2001, Kevin Passerini 2000, Kathleen Bolcar 1999, Elizabeth Miller 1998, 1999, Brian Short 1997, Naren Wadhwani 1997, Tinelle Walker 1997

*Biology Distinguished Major program*:
Claire Waterhouse 2020, Meredith Zettlemoyer 2014, Bryan Cottrell 2013, Megan Hofmeister 2007, Leah Kruszewski 2004, Ryan Briscoe 2003, Leigh Guarinello 2002

*NSF REU supplement*:
Angela Pham 2016, Lauren Whitehurst 2014, Morgan McCoy 2013, Elizabeth Olberding 2012, Allison Gaynor 2011, Brett Jones 2008, Huyen Truong 2005, 2006, Linda Lee 2004, Leah Kruszewski 2003, Leigh Guarinello 2001, Tammy Terry 1999

*Mountain Lake Biological Station REU program*:
Madeleine Gellinger 2019, Lia Leibman 2016, Cierra Sullivan 2016, Allison Post 2013, Gabriel Lane 2010, Deidra Jacobsen 2008, Susan Lin 2007, Julia Stutzman 2006, Timothy Kugler 2005, Katharine Stuble 2003, Leah Kruszewski 2002, Travis Brown 2001, Laurelin Evanhoe 2000, Kristina Gremski 1999, Amanda Helin 1997, Jennifer Lau 1997, Larkin Strong 1996

*Additional Mentoring*:
Martin Buehler, Instructor, Hastings High School, MI 2015 (RET Support)
Undergraduate Diversity Program, Society for the Study of Evolution 2003
African-American Mentoring Program 1999-01
Directed Reading: Evolution in primary and secondary education 1997
University Research Assistantship Program UMD (>15 students) 1994-96
S. Cottel, Independent Research UC Davis 1993
A. Beeghly, NSF Young Scholars Program UC Davis 1990

## OUTREACH

2019 Research Presentation, Virginia Native Plants Society
2016-19 Host 10th grade Environmental Studies Academy, Western Albemarle High School for Natural History & Research weekend at Mountain Lake Biological Station (annual)
2016-19 Lab tour, Harrisonburg Middle Schools
2012-15 Pierce Cedar Creek Environmental Education Center, Hasting MI
2012-13 Oxbow Environmental Learning Center, Columbus GA

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