

## Curriculum Vitae

---

### Robin Hopkins

Harvard University • Department of Organismic and Evolutionary Biology • The Arnold Arboretum  
1300 Centre St, Boston, MA 02131 • rhopkins@fas.harvard.edu • 617-384-5501  
<http://hopkins-lab.org/>

---

#### EDUCATION

- 2005-2010      **Ph.D. in Biology**, Duke University  
*Thesis: The Evolution and Genetics of Reinforcement in *Phlox drummondii**
- 1999-2003      **B.A. in Biology** with honors, Brown University  
*Additional Major: Gender Studies*  
*Thesis: Neighbor sensitivity and response to density in *Arabidopsis thaliana**

#### POSITIONS AND EMPLOYMENT

- 2020 – present      **John L. Loeb Associate Professor of the Natural Sciences**, Harvard University, Department of Organismic and Evolutionary Biology
- 2014 – 2019      **Assistant Professor**, Harvard University, Department of Organismic and Evolutionary Biology
- 2016 – present      **Faculty Fellow**, The Arnold Arboretum of Harvard University
- 2012-2013      **NSF Postdoctoral Fellow**, University of Texas at Austin, Section of Integrative Biology, Kirkpatrick Laboratory
- 2011-2012      **Postdoctoral Fellow**, Duke University  
Department of Biology, Rausher Laboratory

#### HONORS

- 2021      **Roslyn Abramson Award** for Excellence in teaching undergraduates, Harvard University
- 2020      **Everett Mendelsohn Excellence in Graduate Mentoring Award**, Harvard University,
- 2018      **Fannie Cox Prize** for Excellence in Science Teaching, Harvard University
- 2013      **Jasper J. Loftus-Hills Young Investigators Award**, American Society of Naturalists
- 2012      **Tansley Medal** for Excellence in Plant Science, New Phytologist
- 2011      **Harold Sanford Perry Prize**, for best thesis research in plant science, Duke University
- 2003      **James F. Kidwell Prize** in Genetics and Population Biology, Brown University

## GRANTS & FELLOWSHIPS

- 2021-2026 National Institute of Health NIGMS – 1R35GM142742-01 MIRA for Early Stage Investigators “The genetics and genomics of reinforcement”. PI Hopkins. **\$2,047,732.**
- 2019-2024 National Science Foundation DEB-1844906 “CAREER: Testing the contributions of selection, gene-flow, and recombination to reinforcement”. PI Hopkins. **\$1,294,300.**
- 2019-2023 National Science Foundation IOS – 19061133 “Examining the correlated molecular mechanisms of self and heterospecific pollen-pistil recognition”. PI Hopkins. **\$700,000.**
- 2019 Harvard University Deans Competitive Fund for Promising Scholarship. “Resolving a Hybrid Genome: Gene Expression in Hybrid Lineages”. PI Hopkins **\$47,378.**
- 2017 Harvard University Deans Competitive Fund for Promising Scholarship. “The evolution and mechanisms of mate choice in plants”. PI Hopkins **\$49,454.**
- 2015 Harvard University, William F. Milton Fund. “Learning a flower: Investigating how pollinator learning changes pollen movement”. PI Hopkins **\$39,000.**

### ***Postdoctoral and Graduate:***

- 2012-2014 National Science Foundation Postdoctoral Research Fellowship in Biology. “Mathematical modeling for reinforcement with assortative mating”. **\$120,000.**
- 2009-2011 National Science Foundation Doctoral Dissertation Improvement Grant. “DISSERTATION RESEARCH: An investigation of pleiotropy as an adaptive constraint using flower color change in *Phlox*”. **\$13,453.**
- 2008 Sigma Xi Grant-in-Aid. “Investigation of the genetic basis of reproductive character displacement in *Phlox drummondii*”. **\$400.**
- 2006-2008 National Science Foundation Graduate Research Fellowship. **\$90,000.**

## PUBLICATIONS

<sup>†</sup>students/postdoc, #contributed equally to work]

- Garner, A.G. <sup>†</sup>, Cameron, A., Berardi, A. <sup>†</sup>, Hopkins, R. In Prep. A *cis*-regulatory point mutation at a R2R3-Myb transcription factor contributes to speciation by reinforcement in *Phlox drummondii*. bioRxiv: <https://doi.org/10.1101/2023.04.19.537550>
- Garner, A.G. <sup>†</sup>, Goulet-Scott, B.E. <sup>†</sup>, **Hopkins, R.** In Review. Phylogenomic patterns of divergence and gene flow detail the evolution of reinforcement and hybrid speciation in *Phlox* wildflowers. bioRxiv: <https://doi.org/10.1101/2022.04.15.488502>.
- Goulet-Scott, B.E. <sup>†</sup>, Farnitano, M.C., Brown, A.L. <sup>†</sup>, Hale, C.O., Blumstein, M. <sup>†</sup>, **Hopkins, R.** In Review. A multi-dimensional selective landscape drives adaptive divergence between and within closely related *Phlox* species. bioRxiv: <https://doi.org/10.1101/2023.04.18.537324>
- Shahid, B. <sup>†</sup>, Burgin, G. <sup>†</sup>, **Hopkins, R.** In Review. Autonomous selfing but no reinforcement in *Phlox cuspidata*.
- Blumstein, M. <sup>†</sup>, Webster, S. <sup>†</sup>, **Hopkins, R.**, Basler, D., Des Marais, D.L. In prep. Genomics highlight an underestimation of the urban heat island effect on red oak phenology. bioRxiv: <https://doi.org/10.1101/2022.08.03.502691>

39. Burgin, G. A.<sup>†</sup>, Bronzo-Munich, O.<sup>†</sup>, Garner, A.G.<sup>†</sup>, Acevedo, I.A., Hopkins, Robin. In Press. Characterizing each step of pollination in *Phlox drummondii* reveals a single butterfly species predominates the pollinator assemblage. American Journal of Botany. DOI: 10.1002/ajb2.16172
38. Osuna-Mascaró, C., de Casa, R.R., Gómez, J.M., Loureiro, J., Castro, S., Landis, J., **Hopkins, R.**, Perfectti, F. 2023. Hybridization and introgression are prevalent in Southern European *Erysimum* (Brassicaceae) species. Annals of Botany 131(1), 171-184.
37. Berardi, A.<sup>†</sup>, Betancourt Morejón, A.C.<sup>†</sup>, **Hopkins, R.** 2022. Convergence without divergence in North American red-flowering *Silene*. Frontiers in Plant Sciences (13) 945806.
36. Blumstein, M.<sup>†</sup>, Sala, A., Weston, D.J., Holbrook, N.M., **Hopkins, R.** 2022. Plant carbohydrate storage: intra- and inter-specific tradeoffs reveal a major life history trait. New Phytologist 235 (6) 2211-2222.
35. **Hopkins, R.**, 2022. Predicting how pollinator behavior causes reproductive isolation. Ecology and Evolution 12(4), e8847.
34. Burgin, G.<sup>†</sup>, **Hopkins, R.** 2022. A missing link: connecting plant and pollinator population genetic structure. American Journal of Botany 100 (5): 668-671.
33. Goulet-Scott, B.E.<sup>†</sup>, Garner, A.G.<sup>†</sup>, **Hopkins, R.** 2021. Genomic analyses overturn two long-standing homoploid hybrid speciation hypotheses. Evolution 75(7):1699-1710.
32. Butlin, R.K, Servedio, M.R., Smadja, C.M., Bank, C. Barton, N.H., Flaxman, S.M., Giraud, T., **Hopkins, R.**, Larson, E.L., Maan, M.E., Meier, J., Merrill, R., Mohamed, A.F.N., Ortiz-Barrientos, D. Qvarnström, A. 2021. Homage to Felsenstein 1981, or why there are so few/many species? Evolution 75(5):978-988.
31. Salzman, S.<sup>†</sup>, Crook, D., Calonje, M., Stevenson, D.W., Pierce, N.E.<sup>#</sup>, **Hopkins, R.**<sup>#</sup> 2021. Cycad-weevil pollination symbiosis is characterized by rapidly evolving, and highly specific plant-insect chemical communication. Front. Plant Sci 12:639368.
30. Blumstein, M.<sup>†</sup>, **Hopkins, R.** 2021. Adaptive variation and plasticity in nonstructural carbohydrate storage in a temperate tree species. Plant, Cell & Environment 44(8):2494-2505.
29. Blumstein, M.<sup>†</sup>, Richardson, A., Weston, D., Zhang, J., Muchero, W., **Hopkins, R.** 2020. A new perspective on ecological prediction reveals limits to climate adaptation in a temperate tree species. Current Biology 30:1447-1453.
28. Salzman, S.<sup>†</sup>, Crook, D., Crall, J., **Hopkins, R.**<sup>#</sup>, Pierce, N.<sup>#</sup>. 2020. An ancient and obligate pollination syndrome in cycads. Science Advances 6(24): eaay6169.
27. Suni, S.<sup>†</sup>, Ainsworth, B.<sup>†</sup>, **Hopkins, R.** 2020. Local adaptation mediates floral responses to water limitation in an annual wildflower. American Journal of Botany 107(2): 209-218.
26. Edwards, S.V, **Hopkins, R.**, Mallet, J. 2020. Speciation. In 'Theory of Evolution' ed. Samuel Scheinder and David Mindell. (Invited Chapter)
25. Switzer, C.<sup>†</sup>, Russell, A.L., Papaj, D.R., Combes, S.A., **Hopkins, R.** 2019. Sonicating bees demonstrate flexible pollen extraction without instrumental learning. Current Zoology 65(4): 425-436.
24. Molina-Henao, Y.F.<sup>†</sup>, **Hopkins, R.** 2019. Autopolyploid lineage shows climatic niche expansion but not divergence in *Arabidopsis arenosa*. American Journal of Botany 106(1): 1-10.

23. Roda, F.<sup>†</sup>, **Hopkins, R.** 2019. Correlated evolution of self and interspecific incompatibility across the range of a Texas wildflower. New Phytologist 221(1): 553-564.
22. **Hopkins, R.** 2018. Evolution: Flip-flopping flower color defies Dollo's law. Current Biology 28(23): R1337-R1339. (*Invited commentary*)
21. Suni, S.<sup>†</sup>, **Hopkins, R.** 2018. The relationship between post-mating reproductive isolation and reinforcement in *Phlox*. Evolution 72(7):1387-1398.
20. Briggs, H.M.<sup>†</sup>, Graham, S.<sup>†</sup>, Switzer, C.M.<sup>†</sup>, **Hopkins, R.** 2018. Variation in context-dependent behavior across pollinators. Ecology and Evolution 8(16): 7964-7973.
19. Switzer, C.M.<sup>†</sup>, Combes, S.A., **Hopkins, R.** 2018. Dispensing pollen via catapult: Explosive pollen release in Mountain Laurel (*Kalmia latifolia*). The American Naturalist 191(6):767-776
18. Garner, A.G.<sup>†</sup>, Goulet, B.E.<sup>†</sup>, Farnitano, M.C., Molina-Henao, Y.F.<sup>†</sup>, **Hopkins, R.** 2018. Genomic Signatures of Reinforcement. Genes 9(4):191.
17. Campitelli, B.E., Kenney, A.M., **Hopkins, R.**, Soule, J., Lovell, J.T., Juenger, T.E. 2017. Genetic mapping reveals an anthocyanin biosynthesis pathway gene potentially influencing evolutionary divergence between two subspecies of scarlet gilia (*Ipomopsis aggregate*). Molecular Biology and Evolution 35:807-822.
16. Goulet, B.E.<sup>†</sup>, Roda, F.<sup>†</sup>, **Hopkins, R.** 2017. Hybridization in Plants - old ideas, new techniques. Plant Physiology. 173:65-78
15. Stuart, Y.E., Inkpen, S.A., **Hopkins, R.**, Bolnick, D.I. 2017. Character displacement is a pattern: so, what causes it? Biological Journal of the Linnean Society 121:711-715
14. Roda, F.<sup>†</sup>, Mendes, F.K., Hahn, M.W., **Hopkins, R.** 2017. Genomics evidence of gene flow during reinforcement in Texas *Phlox*. Molecular Ecology 26:2317-2330
13. **Hopkins, R.** 2016. Reinforcement. In '*Encyclopedia of Evolutionary Biology*' ed. R. Kliman, section editor D. Ortiz-Barrientos. Pg 441-445. (*Invited chapter*)
12. **Hopkins, R.**, Guerrero, R.F., Rausher, M.D., Kirkpatrick, M. 2014. Strong reinforcing selection in a Texas wildflower. Current Biology 24:1995-1999 (*Featured in Current Biology Dispatch by Matute and Ortiz-Barrientos*)
11. **Hopkins, R.**, Rausher, M.D. 2014. The cost of reinforcement: Selection on flower color in allopatric populations of *Phlox drummondii*. The American Naturalist 183: 693-710
10. Stuart, Y.E., Bolnick, D.I., **Hopkins, R.** 2014. The Unifying Wedge. Evolution 68: 614-616 (*Invited book review*)
9. **Hopkins, R.** 2013 Reinforcement in plants. New Phytologist 197: 1095-1103
8. Burge, D.O., **Hopkins, R.**, Tsai, Y., Manos, P. 2013. Strong differentiation across an edaphic gradient between the gabbro-endemic shrub *Ceanothus roderickii* (Rhamnaceae) and the soil generalist *C. Cuneatus*. American Journal of Botany 100: 1883-1895
7. Lowry, D.B., **Hopkins, R.** 2013. "Speciation and Natural Selection" in the Princeton Guide to Evolution, edited by Jonathan Losos. Princeton, NJ: Princeton University Press. (*Invited book chapter*)
6. **Hopkins, R.**, Rausher, M.D. 2012. Pollinator-mediated selection on flower color allele drives reinforcement. Science 335: 1090-1092. (*Featured in Current Biology Dispatch by John Pannell*)

5. **Hopkins, R.**, Levin, D.A., Rausher, M.D. 2012. Molecular signatures of selection on reproductive character displacement of flower color in *Phlox drummondii*. Evolution 66:469-485.
4. **Hopkins, R.**, Rausher, M.D. 2011. Identification of two genes causing reinforcement in the Texas wildflower *Phlox drummondii*. Nature 469:411-414.
3. **Hopkins, R.**, Schmitt, J., Stinchcombe, J.R. 2008. A latitudinal cline and response to vernalization in leaf angle and morphology in *Arabidopsis thaliana* (Brassicaceae). New Phytologist 179: 155-164.
2. Hoekman, D., Terhorst, C., Bauer, A., Braun, S., Gignac, P., **Hopkins, R.**, Joshi, S., Laskis, K., Sanscrainte, N., Travis, J., and Miller, T.E. 2007. Oviposition decreased in response to enriched water: a field study of the pitcher-plant mosquito, *Wyeomyia smithii*. Ecol. Entomol. 32:92-96.
1. Stinchcombe, J.R., Caicedo, A.L., **Hopkins, R.**, Mays, C., Boyd, E.W., Purugganan, M.D., Schmitt, J. 2005. Vernalization sensitivity in *Arabidopsis thaliana* (Brassicaceae): the effects of latitude and *FLC* variation. American Journal of Botany 92(10): 1701-1707.

#### INVITED TALKS AND SEMINAR

- |      |  |
|------|--|
| 2023 | Gordon Research Conference – Speciation, Lucca, Italy<br>Yale University, EEB Department   |
| 2022 | Tulane University, EEB Seminar, Graduate Student Invite<br>Washington University, Biology Department<br>University of Wisconsin, Institute for the Study of Evolution Director’s Lecture<br>Northeast Meeting of the Society for Developmental Biology |
| 2020 | UC Berkeley, Hybridization symposium   |
| 2019 | College de France, Chaire Innovation Technologique symposium<br>University of British Columbia, Botany Graduate Student<br>UC Davis Plant Biology Symposium<br>University of Wisconsin, Madison, Botany Department                                     |
| 2018 | Boston Area Genomics Supergroup, seminar<br>New York University 17 <sup>th</sup> Annual Genomics Symposium: Scales in Ecology<br>Columbia University, E3B seminar series<br>European Society for Evolutionary Biology, keynote symposium speaker       |
| 2017 | Gordon Research Conference: Speciation, Lucca, Italy<br>Boston University, Biology Department Seminar Series<br>MicroMORPH Workshop: Plant morphology: Linking Phenotype to development  |
| 2016 | University of Toronto, Biology Department Seminar Series<br>Florida State University, Biology Department Seminar Series<br>Florida State University, Darwin Day Speaker  |

Indiana University, Biology Department Seminar Series  
Smith College, Biology Department Seminar Series  
University of Connecticut, Biology Department Seminar Series  
Linnean Society of London Meeting  
Plants in New England, Seminar Series  
Radcliffe Exploratory Seminar Looking beyond disciplinary silos: understanding complex relationships between the evolutionary divergence of the Himalayan flora and Earth surface processes.  
Early Career Scientist Symposium, University of Michigan, Frontiers in community assembly

- 2015 Princeton University, Biology of Populations Seminar Series  
University of California Davis, Population Biology Seminar Series  
Emory University, PBEE seminar  
University of Georgia, Plant Biology Seminar  
University of Massachusetts Boston, Biology Department Seminar Series  
EMBO Conference, Sweden, *Mechanisms of Plant Speciation*  
American Society of Plant Biology annual meeting, invited symposium speaker.
- 2014 University of Chicago, Biology Department Seminar Series  
University of Minnesota, Ecology & Evolution Seminar Series  
Bowdoin College, Biology Department Seminar Series
- 2011-2013 Young investigators symposium Evolution annual meeting.  
FROspects speciation conference, Montpellier, France  
FROspects workshop on *Behavior and speciation*, Oslo, Norway  
University of Maryland, Special Seminar  
University of Colorado Boulder, Special Seminar  
University of Massachusetts Amherst, Special Seminar  
Iowa State University, Special Seminar  
Université Montpellier,  
The American Naturalist Vice Presidential symposium, Evolution meetings  
Harvard University, Special Seminar

#### TEACHING AND MENTORING

##### ***Postdoctoral fellows and graduate student researchers:***

- 2022 – present Christina Steinecke Graduate Student  
*Research focus:* Investigating adaptation and speciation in *Phlox*
- 2022 – present Anna Feller SNSF Postdoctoral fellow

*Research focus:* Using controlled crosses, extensive phenotypic quantification, and genomic sequencing to determine the relationship between measures of reproductive isolation and gene flow across the eastern *Phlox* clade.

- 2022 Bushra Shahid MEME Masters Student  
*Masters Thesis:* Autonomous selfing and reinforcement in *Phlox cuspidata*
- 2021 – present Andrea Berardi HUH Postdoctoral fellow  
*Research focus:* Evolution of floral form and color across North American *Silene*.
- 2019 – 2022 Antonio Serrato-Capuchina Postdoctoral fellow  
*Research focus:* Evolution of reproductive incompatibility between sympatric plants.  
*Current position:* Postdoctoral researcher, Boston University
- 2019 – present Grace Burgin Graduate Student  
*Research focus:* Investigating the evolutionary and molecular processes underlying mate-choice in plants.
- 2019 – present Bridget Bickner Graduate Student  
*Research Focus:* Experimentally testing for sexual selection in plants.
- 2019 – 2021 Samridhi Chaturvedi Postdoctoral fellow  
*Research focus:* Genomic patterns of speciation and hybridization.  
*Current position:* Assistant Professor, Tulane University.
- 2017 – present Austin Garner Graduate student  
*Research focus:* Using population genomics and functional genetics to identify and characterize the functional variants causing flower color variation and speciation in *Phlox*.
- 2015 – 2021 Benjamin Goulet Graduate student  
*Research focus:* Testing hypotheses about how hybrid species form using common garden field experiments, analyzes of genomic sequences, and greenhouse studies of two independent homoploid hybrid species.  
*Current position:* Higher Education and Laboratory Coordinator at Harvard Forest
- 2015 – 2019 Y. Franchesco Molina-Henao Graduate student  
*Research focus:* Investigating patterns of divergence and speciation across diploid and polyploid lineages of *Arabiposis arenosa*. (From lab of Professor Kirsten Bomblies)  
*Current position:* Professor, University of Valle, Colombia
- 2014 – 2019 Shayla Slazman Graduate student  
*Research focus:* Characterizing the co-evolution between *Zamia cycades* and their weevil pollinators using common-garden field experiments, genomic sequence analyzes, and behavioral studies. (Co-advised with Professor Naomi Pierce)  
*Current position:* NSF postdoctoral fellow Cornell University
- 2018 – 2019 Henry Lewis North MEME Masters student

- Masters thesis:* Investigating the genetic basis of self and interspecific incompatibility in *Phlox drummondii*.
- 2018                                      Tatiana Ruiz Bedoya                                      MEME Masters student  
*Masters thesis:* “Genomic insights into the evolution of reinforcement loci in *Phlox drummondii*”
- 2015                                      Stuart Graham                                      MEME Masters student  
*Masters thesis:* Divergence in flower color causes pollinator-mediated reproductive isolation between two sister species of *Phlox*
- 2014 – 2018                                      Federico Roda                                      Postdoctoral fellow  
*Research focus:* Quantifying gene flow between Texas *Phlox* species using transcriptome sequences. Investigating the relationship between interspecific pollen-pistil incompatibility and self-incompatibility.  
*Current position:* Leader of a Max Planck Group in Latin America in Evolutionary and Developmental Biology and Genetics at the National University of Colombia
- 2015 – 2017                                      Heather Briggs                                      Postdoctoral fellow  
*Research focus:* Determining the behavioral plasticity in nectar foraging in response to color signaling.  
*Current position:* Associate Instructor, University of Utah
- 2015 – 2017                                      Callin Switzer                                      Graduate student  
*Research focus:* Investigate the biomechanical and behavioral causes and consequences of variation in bee buzz-pollination. (From lab of Professor Stacey Combes).  
*Current position:* Senior Research Scientist at Amazon Web Services
- 2014 – 2017                                      Sevan Suni                                      Postdoctoral fellow  
*Research focus:* Quantifying reproductive isolation between Texas *Phlox* species. Determining how pollinator attraction and reward traits respond to water limitation throughout the range of *Phlox drummondii*.  
*Current position:* Assistant professor, University of San Francisco, Biology department
- Undergraduate independent researchers:***
- 2022                                      Joshua Murphy                                      George Washington Univ.  
*Arnold Arboretum DaRin Butz Intern*
- 2022                                      Olivia Bronzo-Munich                                      Bowdoin College  
*Arnold Arboretum DaRin Butz Intern*
- 2022 – present                                      Peyton Jones                                      Harvard College  
*Honors Thesis:* Differential Impact of Climate Change on the Range of *Phlox drummondii*
- 2020 – 2022                                      Sophie Webster                                      Harvard College  
*Honors Thesis:* “Plants plants evolution: Investigating genetic and environmental drivers of red oak phenology”



2021	Ana Bentancourt Morejon	<u>University of Puerto Rico</u>
	<i>OEB REU</i>	
2021	Nicole Lopez	<u>University of Puerto Rico</u>
	<i>OEB REU</i>	
2019 – 2021	James Caven	<u>Harvard College</u>
	<i>Honors Thesis: "Many plants, one partner: Environmental effects on plasticity in <i>Phlox</i>"</i>	
2018 – 2019	Andrea Brown	<u>Harvard College</u>
	<i>Honors Thesis: "Interspecific and self-compatibility in homoploid hybrid lineages"</i>	
2018	Bridget Bickner	<u>University of Nebraska</u>
	<i>ASPB Summer Undergraduate Research Fellowship: "Determining the location of cis-regulated mutations in flower color coding genes in <i>Phlox drummondii</i>"</i>	
2018	Derek Schneider	<u>Amherst College</u>
	<i>Arnold Arboretum DaRin Butz Research Intern: "Studying self-incompatibility systems in <i>Phlox</i>"</i>	
2016 – 2017	Melissa DiTuccie	<u>Mount Holyoke</u>
	<i>Research intern: "Quantifying sex variation in butterfly foraging behavior"</i>	
2015 – 2017	Benjamin Ainsworth	<u>UMass Boston</u>
	<i>Honors Thesis: "The effect of drought on nectar production in a Texas annual wildflower"</i>	
2017	Jessica Leslie	<u>UMass Amherst</u>
	<i>Arnold Arboretum DaRin Butz Research Intern: "Examining genetic mechanisms of and variation in mating systems in two <i>Phlox</i> species"</i>	
2017	Juliet Bramante	<u>Harvard College</u>
	<i>Arnold Arboretum DaRin Butz Research Intern: "Genetic variation in the promoter of flower color genes in <i>Phlox drummondii</i>"</i>	
2015-2016	Justin Dower	<u>Harvard College</u>
	<i>Independent research topic: Butterfly behavioral response to flower color variation</i>	
2015	Christopher Chen	<u>Harvard College</u>
	<i>PRISE internship: Investigating the effect of hybridization in Texas <i>phlox</i></i>	

**Researchers in other positions**

2022 – present	Andrew Cameron	Research assistant
2021 – present	Izzy Acevedo	Research assistant
2020 – 2022	Angie Diana	Research assistant and NSF post-bac
2019 – 2021	Charlie Hale	Research assistant
2018	Carolina Osuna Mascaró	Visiting PhD student (University of Granada)
2017 – 2019	Matthew Farnitano	Research assistant
2016 – 2018	Sara Muchoney	Undergraduate researcher (Boston Univ.)

2016	Professor Daniel Papaj	Sabbatical visitor (Univ. Arizona)
2015 – 2016	Katie Cartwright	High school Intern
2015-2016	Joseph Kearney	Undergraduate researcher (Harvard)
2014	Emma Dillon	High school Intern

### ***Harvard Teaching***

#### **FRSEMR 51R: Generating Biodiversity: Hands-on Research Experience in Speciation Biology** Spring 2020, Spring 2023

Undergraduate Research Experience course investigating the process of speciation in plants. Students design, execute, analyze, and present three experiments examining divergence and compatibility in closely related species. Enrollment: 10

**OEB 50 Genetics and Genomics** Fall 2015, 2016, 2018, 2019, 2020, 2021, 2022; Spring 2018  
Discusses fundamental concepts in genetics and genomics including genetic function, transmission, linkage, mutation, and experimental manipulation. Emphasis is on engagement with material by problem solving. (Co-taught with Professor Hartl) Enrollment: 22-50  
Prof Q Score (out of 5): 4.6, 4.2, 4.6, 4.5, 4.9, 4.8  
Course Q score (out of 5): 4.5, 4.0, 4.5, 4.1, 4.4, 4.3

**OEB 278 Adaptation** Spring 2017, 2019  
Graduate seminar covering broad topics in adaptation including causes and consequences of local adaptation, plasticity, genotype by environment interactions, genetics of adaptation, and adaptive radiation. (Co-taught with Professor Mallet) Enrollment: 9  
Prof Q Score (out of 5): 5 Course Q score (out of 5): 4.8

**FRSEMR 21J: Plant Sex: Insights into the birds and the bees and the buttercups and the bleeding hearts** Spring 2015, 2016  
Interactive seminar addressing fundamental evolutionary concepts while exploring the dynamic world of plant reproduction. Includes discussions about pollinator interactions, mutualism, co-evolution, speciation, convergence, animal behavior and conservation biology. Enrollment: 4, 5  
Prof Q Score (out of 5): 5, 5 Course Q score (out of 5): 5, 5

#### ***Graduate Student Committee*** (Preliminary qualifying exam & Dissertation advisory committee)

2022 – present	Yuttapong Thawornwattana	Mallet Lab
2022 – present	Artur Rego-Costa	Desai Lab
2021 – present	Adriana Aguilar-Maldonado	Extavour Lab
2021 – present	Chris Grassa	Davis Lab
2019 – 2022	Brock Wooldridge	Hoekstra Lab
2018 – present	David Mathews	Lauder Lab
2018 – present	Tianzhu Xiong	Mallet Lab
2018 – present	Inbar Maayan	Losos/Haig Lab
2018 – 2020	Caitlin Baker	Giribet Lab
2018 – 2020	Abigail Burrus	Davis/Kramer Lab

2017 – 2022	Daniel Buonaiuto	Wolkovich/Holbrook lab
2017 – 2022	Sofia Prado-Irwin	Losos/Edwards Lab
2017 – 2021	Nick Herrmann	Losos/Haig Lab
2017 – 2022	Molly Edwards	Kramer Lab
2016 – 2020	Meghan Blumstein	Holbrook Lab
2016 – 2020	Julia Cosgrove	Giribet Lab
2016 – 2020	Ava Mainieri	Haig Lab
2016 – 2018	Claire Levy	Kramer Lab
2015 – 2018	Jennifer Kotler	Haig Lab
2015 – 2019	Benjamin Rice	Hartl Lab
2014 – 2018	Jenny Pham	Hartl Lab

### ***Harvard committee membership***

2022	OEB Tenure Track Mentoring Committee
2022	Dudley Herschbach Teacher/Scientist Lecture selection committee
2021 – present	OEB DIB Committee
2018 – 2020	FAS Hoopes Prize Committee
2018 – 2019	Faculty Search Committee OEB/Arnold Arboretum
2016 – present	OEB Seminar Committee
2014 – present	OEB Undergraduate Committee
2015 – 2016	FAS Hoopes Prize Committee

### ***Professional service***

2021 – present	Associate Editor for the Proceedings of the Royal Society B
2021	Chair of the American Society of Naturalists Jasper J. Loftus-Hills young Investigator Award Committee
2019	Content specialist advisor for special exhibit on “Color” for The American Museum of Natural History
2019 – 2020	American Society of Naturalists Jasper J. Loftus-Hills young Investigator Award Committee
2018 – 2019	Organizer, Harvard University Plant Biology Initiative Symposium “Mate Choice in Plants”
2018	Workshop leader during the National Garden Club of American “Botany Bootcamp” at the Arnold Arboretum
2017	Workshop leader during the Harvard Museum of Natural History Teacher Professional Development class

- 2017 Workshop leader during the Harvard Museum of Natural History docent training
- 2017 Panelist for National Science Foundation DEB Evolutionary Processes grant proposals
- 2016 Designer and interpreter for the special exhibit of pollinator models during the renovation of the Harvard University Ware Collection of Blaschka Glass Models of Plants
- 2016 Workshop leader during the Harvard Museum of Natural History Teacher Professional Development class
- 2015 Research Group Leader for Boston High School Bridge Program visit to the Arnold Arboretum
- 2015 Tour guide and speaker for the Minuteman's Girls in STEM camp visit to the Arnold Arboretum
- 2014 Volunteer, Plant Biology booth organizer for Free Fun Friday at the Arnold Arboretum
- 2014 Volunteer at the American Society of Plant Biologists booth at the National Science Teachers Association meeting in Boston

***Society memberships***

- Society for the Study of Evolution
- The American Society of Naturalists
- The Genetic Society of America
- The American Society of Plant Biologists

***Ad-hoc reviewer***

Nature • Science • Nature Communications • Nature Ecology and Evolution • Current Biology • Evolution • Proceedings of the Royal Society B • New Phytologist • The American Naturalist • American Journal of Botany • Journal of Ecology • Functional Ecology • Current Zoology • Journal of Heredity • Journal of Evolutionary Biology • PLoS ONE • The Royal Society of Fellows • National Science Foundation grants • The Marsden Fund • EDEN grants • European Research Commission grants • Faculty reader of 22 Harvard University Undergraduate Honors Theses