TRACIE HAYES

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EDUCATION

Ph.D. Candidate in Population Biology, Advisor: Louie Yang
University of California, Davis
B.S. in Biology (Honors), B.A. in Studio Art (Highest Honors)
University of North Carolina at Chapel Hill 2017, Highest Distinction

EMPLOYMENT

2017-2018	Lab Manager, Echinacea Project, Chicago Botanic Garden
2016	Research Intern, Dell Ecology Lab, National Great Rivers Research and Education Center
2015-2017	Undergraduate Researcher, Hurlbert Lab, University of North Carolina, Chapel Hill

PUBLICATIONS

(*submitted*). Pepi, A., **T. Hayes**, and K. Lyberger. Thermal asymmetries influence effects of warming on stage and size-dependent predator-prey interactions. **Theoretical Ecology**.

Yang, L. H., E. G. Postema, **T. E. Hayes**, M. K. Lippey, and D. J. MacArthur-Waltz. 2021. The complexity of global change and its effects on insects. **Current Opinion in Insect Science**. https://doi.org/10.1016/j.cois.2021.05.001

Richardson, L. K., M. K. Gallagher, **T. E. Hayes**, A. S. Gallinat, G. Kiefer, K. Manion, M. Jenkins, G. Diersen, and S. Wagenius. 2021. Competition for pollination and isolation from mates differentially impact four stages of pollination in a model grassland perennial. **Journal of Ecology** 109:1356–1369. https://doi.org/10.1111/1365-2745.13562

Hurlbert, A., **T. Hayes**, T. McKinnon, C. Goforth. 2019. Caterpillars Count! A citizen science project for monitoring foliage arthropod abundance and phenology. **Citizen Science: Theory and Practice**. 4(1) http://doi.org/10.5334/cstp.148

Cloyed, C.S., A.I. Dell, **T. Hayes**, R.L. Kordas, E.J. O'Gorman. 2019. Long-term exposure to higher temperature increases the thermal sensitivity of grazer metabolism and movement. **Journal of Animal Ecology**. 00:1– 12. https://doi.org/10.1111/1365-2656.12976

GRANTS, AWARDS, AND FELLOWSHIPS

2021	Mildred E. Mathias Graduate Student Research Grant $3,000.00
2021	CPB Affiliate/Henry A. Jastro Graduate Research Award $3,000.00
2020	CPB Affiliate/Henry A. Jastro Graduate Research Award $2,968.50
2019	National Science Foundation Graduate Research Fellowship (GRFP) $138,000.00
2017	Carolina Research Scholar
2017	Honors Carolina Laureate
2016	Phi Beta Kappa Induction
2015	Summer Undergraduate Research Fellowship
2015	Taylor Honors Mentored Research Fellowship

TEACHING AND OUTREACH

2021	Picnic Day Video Contributor, University of California, Davis
2020	Reader, EVE 181 Animal-Plant Interactions, University of California, Davis
2020	TA, ENT 001 Art, Science & the World of Insects, University of California, Davis
2018	Art & Science Residency, PLAYA Summer Lake, Summer Lake, OR
2018	Garden for a Changing Climate (with artist Jenny Kendler and Gallery 400) table event, Telpochcalli and Hammond Elementary Schools, Chicago, IL
2018	Unearth Science Festival, Chicago Botanic Garden, Glencoe, IL
2014 - 2015	Artist-in-Residence and Arts Editor, *Event Horizon* Magazine, Chapel Hill, NC
2013 - 2016	Managing Editor, Design Editor, Writer, *Carolina Scientific* Magazine, Chapel Hill, NC

MENTORSHIP

2018	Danielle Oilschlager, Lake Forest College undergraduate – intraspecific vs. interspecific competition in prairie grasses
2018	Evan Jackson, College of Wooster undergraduate – pollen identification project
2017 – 2018	Michele McCormick, College of Lake County Professor – pollen identification project
2017	Nina Denne, Carleton College undergraduate – *Echinacea* seedset and surrounding biodiversity
2017	Nicolette McManus, Northwestern University undergraduate –*Echinacea* seedset and intraspecific density
2017	Marisol Gelacio, Lake Forest College undergraduate – seed counter testing and project development

PRESENTATIONS

2021	Guest Speaker – art and science experience, Global Change Ecology Class at University of North Carolina at Chapel Hill, Zoom
2018	"Synchrony of flowering phenology within clusters depends on the spatial scale at which clusters are defined" (poster) Ecological Society of America (ESA) Meeting, New Orleans, LA
2018	"Synchrony of flowering phenology within clusters depends on the spatial scale at which clusters are defined" (poster) Midwest Ecology and Evolution Conference (MEEC), Kellogg Biological Station, Hickory Corners, MI
2017	"The effects of temperature and greenup on the timing of arthropod abundance and avian migration" (talk) Honors Research Symposium, University of North Carolina at Chapel Hill, NC
2016	"Temperature and body mass affects the locomotor performance of *Radix balthica* in a geothermal stream system in Iceland" (talk and poster) National Great Rivers Research and Education Center, East Alton, IL
2016	"Arthropod phenology as a component of avian reproductive success" (poster) Biology Undergraduate Research Symposium, University of North Carolina at Chapel Hill, NC

SKILLS

R Programming
Git/GitHub/Bitbucket
Adobe InDesign