

Alexander Blumenfeld

POSTDOCTORAL ASSOCIATE

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Education

Texas A&M University

DOCTOR OF PHILOSOPHY, ENTOMOLOGY

• Advisor: Ed Vargo

College Station, Texas

August 2022

University of Washington

BACHELOR OF SCIENCE, ENVIRONMENTAL SCIENCE & RESOURCE MANAGEMENT

Seattle, Washington

March 2016

Publications

My Google Scholar profile [here](#)

1. Shults, P., Moran, M., Blumenfeld, A. J., Vargo, E. L., Cohnstaedt, L. W., & Eyer, P.-A. (2022). Development of microsatellite markers for population genetics of biting midges and a potential tool for species identification of *Culiseta inornata* [Journal Article]. *Parasites & Vectors*, 15(1), 69. <https://doi.org/10.1186/s13071-022-05189-8>
2. Shults, P., Hopken, M., Eyer, P.-A., Blumenfeld, A., Mateos, M., Cohnstaedt, L. W., & Vargo, E. L. (2022). Species delimitation and mitonuclear discordance within a species complex of biting midges [Journal Article]. *Scientific Reports*, 12(1), 1730. <https://doi.org/10.1038/s41598-022-05856-x>
3. Blumenfeld, A. J., Eyer, P.-A., Helms, A. M., Buczkowski, G., & Vargo, E. L. (2021). Consistent signatures of urban adaptation in a native, urban invader ant *Tapinoma sessile* [Journal Article]. *Molecular Ecology*. <https://doi.org/https://doi.org/10.1111/mec.16188>
4. Eyer, P.-A., Moran, M. N., Blumenfeld, A. J., & Vargo, E. L. (2021). Development of a set of microsatellite markers to investigate sexually antagonistic selection in the invasive ant *Nylanderia fulva* [Journal Article]. *Insects*, 12(7), 643. <https://www.mdpi.com/2075-4450/12/7/643>
5. Eyer, P.-A., Blumenfeld, A. J., Johnson, L. N. L., Perdureau, E., Shults, P., Wang, S., Dedeine, F., Dupont, S., Bagnères, A.-G., & Vargo, E. L. (2021). Extensive human-mediated jump dispersal within and across the native and introduced ranges of the invasive termite *Reticulitermes flavipes* [Journal Article]. *Molecular Ecology*, 30(16), 3948–3964. <https://doi.org/https://doi.org/10.1111/mec.16022>
6. Blumenfeld, A. J., Eyer, P.-A., Husseneder, C., Mo, J., Johnson, L. N. L., Wang, C., Kenneth Grace, J., Chouvenec, T., Wang, S., & Vargo, E. L. (2021). Bridgehead effect and multiple introductions shape the global invasion history of a termite [Journal Article]. *Communications Biology*, 4(1), 196. <https://doi.org/10.1038/s42003-021-01725-x>
7. Blumenfeld, A. J., & Vargo, E. L. (2020). Geography, opportunity and bridgeheads facilitate termite invasions to the United States [Journal Article]. *Biological Invasions*, 22(11), 3269–3282. <https://doi.org/10.1007/s10530-020-02322-5>
8. Eyer, P.-A., Espinoza, E. M., Blumenfeld, A. J., & Vargo, E. L. (2020). The underdog invader: Breeding system and colony genetic structure of the dark rover ant (*Brachymyrmex patagonicus* Mayr) [Journal Article]. *Ecology and Evolution*, 10(1), 493–505. <https://doi.org/10.1002/ece3.5917>
9. Eyer, P.-A., Blumenfeld, A. J., & Vargo, E. L. (2019). Sexually antagonistic selection promotes genetic divergence between males and females in an ant [Journal Article]. *Proceedings of the National Academy of Sciences, USA*, 116(48), 24157–24163. <https://doi.org/10.1073/pnas.1906568116>

Presentations

Invited Presentations

1. Blumenfeld, A. J. (2021, May). *Fantastic bridgeheads and where to find them: A termite story*. Ft. Lauderdale research and education center seminar series, University of Florida.

Contributed Presentations

1. Blumenfeld, A. J. (2022, April). *Studies on the invasion biology of social insects*. 76th texas a&m university urban pest management conference and workshop.
2. Blumenfeld, A. J. (2021, November). *Consistent signatures of urban adaptation in *tapinoma sessile**. Entomological society of america annual meeting.
3. Blumenfeld, A. J., Eyer, P.-A., Johnson, L., Perdereau, E., Shults, P., Wang, S., Dedeine, F., Dupont, S., Bag-nères, A.-G., & Vargo, E. L. (2021, August). *Extensive human-mediated jump dispersal within and across the native and introduced ranges of the invasive termite *reticulitermes flavipes**. 24th annual texas a&m department of entomology graduate student forum.
4. Blumenfeld, A. J., Eyer, P.-A., Husseneder, C., Mo, J., Johnson, L. N. L., Wang, C., Kenneth Grace, J., Chouvenc, T., Wang, S., & Vargo, E. L. (2021, April). *Bridgehead effect and multiple introductions shape the global invasion history of the termite *coptotermes formosanus**. Entomological society of america southwestern branch meeting.
5. Blumenfeld, A. J., & Vargo, E. L. (2020, January). *Introductions of non-native termites to the US based on port of entry data and population genetics*. 74th texas a&m university urban pest management conference and workshop.
6. Blumenfeld, A. J., Eyer, P.-A., & Vargo, E. L. (2019, April). *Colony structure of the odorous house ant (*tapinoma sessile*), a native urban invader*. Entomological society of america southwestern branch meeting.
7. Blumenfeld, A. J., & Vargo, E. L. (2018, November). *Opportunities for termite invasions: Introductions of exotic termites to the USA based on port-of-entry data*. Entomological society of america annual meeting, entomological society of canada, and entomological society of british columbia joint annual meeting.
8. Blumenfeld, A. J., & Vargo, E. L. (2018, October). *Termite invasion patterns: Introductions of exotic termites to the US and texas based on port-of-entry data*. 7th texas invasive plant and pest conference.

Co-Authored Presentations

Grants, Awards, & Fellowships

Service

Peer Review