

Billie Goolsby

Ph.D. Student in Biology, admitted Autumn 2019

Publications

PUBLICATIONS

- **Poison frogs.** *Nature methods*
Goolsby, B. C., Dailey, M. J., Coloma, L. A., O'Connell, L. A.
2025
- **Infanticide is driven by unfamiliarity with offspring location and associated with androgenic shifts in mimic poison frogs.** *Hormones and behavior*
Lewis, A. R., Goolsby, B. C., Juarez, B. H., Lacey, M. P., O'Connell, L. A.
2024; 166: 105656
- **Infanticide is driven by unfamiliarity with offspring location and associated with androgenic shifts in mimic poison frogs.** *bioRxiv : the preprint server for biology*
Lewis, A. R., Goolsby, B. C., Juarez, B. H., Lacey, M. P., O'Connell, L. A.
2024
- **Activity of forkhead box P2-positive neurons is associated with tadpole begging behaviour.** *Biology letters*
Ludington, S. C., McKinney, J. E., Butler, J. M., Goolsby, B. C., Callan, A. A., Gaines-Richardson, M., O'Connell, L. A.
2024; 20 (9): 20240395
- **Physiological state matching in a pair bonded poison frog** *ROYAL SOCIETY OPEN SCIENCE*
Nowicki, J. P., Rodriguez, C., Lee, J. C., Goolsby, B. C., Yang, C., Cleland, T. A., O'Connell, L. A.
2024; 11 (7)
- **Differential Neuroanatomical, Neurochemical, and Behavioral Impacts of Early-Age Isolation in a Eusocial Insect.** *Brain, behavior and evolution*
Goolsby, B. C., Smith, E. J., Muratore, I. B., Coto, Z. N., Muscedere, M. L., Traniello, J. F.
2024: 1-13
- **Activity of FoxP2-positive neurons correlates with begging behavior in a social tadpole.** *bioRxiv : the preprint server for biology*
Ludington, S. C., McKinney, J. E., Butler, J. M., O'Connell, L. A.
2023
- **Home security cameras as a tool for behavior observations and science equity.** *bioRxiv : the preprint server for biology*
Goolsby, B. C., Fischer, M., Pareja-Mejia, D., Lewis, A. R., Raboison, G., Oa Connell, L. A.
2023
- **Feed Me: Robotic Infiltration of Poison Frog Families** *Living Machines: Biomimetic and Biohybrid Systems*
Chen, T. G., Goolsby, B. C., Bernal, G., O'Connell, L. A., Cutkosky, M.
2023: 293-302
- **Evidence for Empathy in Pair Bonding Poison Frogs** *bioRxiv : the preprint server for biology*
Nowicki, J. P., Rodriguez, C., Lee, J. C., Goolsby, B. C., Yang, C., Cleland, T. A., O'Connell, L. A.
2022