

# Stanford

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## Julie Michelle Butler

Postdoctoral Scholar, Biology

### Bio

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#### STANFORD ADVISORS

- Lauren O'Connell, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **Opsin expression varies with reproductive state in the cichlid fish *Astatotilapia burtoni*.** *Integrative and comparative biology*  
Butler, J. M., Maruska, K. P.  
2021
- **Reproductive- and social-state plasticity of multiple sensory systems in a cichlid fish.** *Integrative and comparative biology*  
Maruska, K. P., Butler, J. M.  
2021
- **Expression patterns and evolution of urocortin and corticotropin-releasing hormone genes in a cichlid fish.** *The Journal of comparative neurology*  
Grone, B. P., Butler, J. M., Wayne, C. R., Maruska, K. P.  
2021
- **Galanin neuron activation in feeding, parental care, and infanticide in a mouthbrooding African cichlid fish.** *Hormones and behavior*  
Butler, J. M., Herath, E. M., Rimal, A., Whitlow, S. M., Maruska, K. P.  
2020: 104870
- **Female reproductive state is associated with changes in distinct arginine vasotocin cell types in the preoptic area of *Astatotilapia burtoni*** *JOURNAL OF COMPARATIVE NEUROLOGY*  
Butler, J. M., Anselmo, C. M., Maruska, K. P.  
2020
- **Noise during mouthbrooding impairs maternal care behaviors and juvenile development and alters brain transcriptomes in the African cichlid fish *Astatotilapia burtoni*.** *Genes, brain, and behavior*  
Butler, J. M., Maruska, K. P.  
2020
- **Neural activation patterns associated with maternal mouthbrooding and energetic state in an African cichlid fish.** *Neuroscience*  
Maruska, K. P., Butler, J. M., Field, K. E., Forester, C., Augustus, A.  
2020
- **Underwater noise impairs social communication during aggressive and reproductive encounters** *ANIMAL BEHAVIOUR*  
Butler, J. M., Maruska, K. P.  
2020; 164: 9–23