

Publications

1. Bloomquist, R.F., Fowler, T.E., **Sylvester, J.B.**, Miro, R.J., and Streelman, J.T. 2017. A compendium of developmental gene expression in Lake Malawi cichlid fishes. *BMC Developmental Biology* 17:3
2. White, D.E., **Sylvester, J.B.**, Kinney M.A., Levario, T.J., Lu, H, Streelman, J.T., McDevitt, T.C., and Kemp M.L. 2015. Quantitative Multivariate Analysis of Dynamic Multicellular Morphogenic Trajectories, *Integrative Biology* 7, 825-833.
3. **Sylvester, J.B.**, Rich, C.A., Yi, C., Peres J.N., Houart, C., and Streelman, J.T. 2013. Competing Signals Drive Telencephalon Diversity. *Nature Communications* 4, doi:10.1038/ncomms2753.
4. **Sylvester, J.B.**, Pottin, K., and Streelman, J.T. 2011 Integrated brain diversification along the early neuraxes. *Brain Behavior and Evolution* 78(3) 237-247.
5. **Sylvester, J.B.**, Rich, C.A., Loh, Y.E., van Staaden M.J., Fraser, G.J., and Streelman J.T. 2010. Brain diversity evolves via differences in patterning. *Proceedings of the National Academy of Sciences* 107(21):9718.

Recent Speaking Engagements

- Sylvester, J.B.** Invited speaker for Tri Beta Lunch and Learn Series. 2018. Student Center West, Georgia State University, Atlanta, GA.
- Sylvester, J.B.** Open discussion on the intersection of Evolution and Faith. 2017. Student Center East, Georgia State University, Atlanta, GA.
- Sylvester, J.B.** Effective Communication for Teaching. 2015. TA Workshop, Georgia State University, Atlanta, GA.

Recent Student-Led Projects

- Gilford, A., and **Sylvester J.B.** The Fierce Fish: Monogamy in Convict Cichlids. 2019. Undergraduate Thesis, Georgia State University, Atlanta, GA.
- Garzon, P.A., Poole, T., Searcy C., and **Sylvester J.B.** Increase in medial prefrontal cortex functionality leading to increase of mental illness and its connection to human trafficking. Undergraduate Thesis, Honors College, Georgia State University, Atlanta, GA.
- Williams, B., Stevenson, B., Siebe K., Williams, T., and **Sylvester, J.B.** Foxg1, Emx2, and Dlx2 expression is responsible for monogamy in convict cichlids. 2018. GSURC conference, Georgia State University, Atlanta, GA.
- DaSilva, C., Inno-dike, C., Vu, V., Estrada, A., and **Sylvester, J.B.** The Effect of Wnt1 on Brain Development in Monogamous Fish. 2018. GSURC conference, Georgia State University, Atlanta, GA.

Honors Awarded

Best Department-level Poster in the GSURC Conference (2018)

Nominated for Outstanding Faculty Mentorship Award (2017)

Professional Service

Honor's College Liaison (2020 – Pres.)

University Assistantship Program Coordinator (2020 – Pres.)

S-STEM Faculty Mentor (2020 – Pres.)

Member of Goldwater Scholarship Campus committee (2020 – Pres.)

Member of the Curriculum Assessment and Review committee (2019 – Pres.)

Member of Undergraduate Curriculum committee (2017 – Pres.)

Member of Teaching Assignments and Effectiveness committee (2017 – 2019)

Faculty Mentor for new TAs in Introductory Biology (2017 – 2019.)

Faculty Advisor for the Biology Tutoring Center (2017 – 2019.)

Member of Biology Petitions Committee (2017 – 2019.)

Judge for GSURC 2017 poster session (April 2017)

Member of the Committee to develop the new EEO concentration (2017 – 2018)

Member of the Mentoring New Hires Committee (2015 – 2017)

Member of the Curriculum Review Committee (2014 – 2016.)

References

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