| **MENTOR**  ***Department*** | **Peer-Reviewed Journal Articles Recently Published, Pending Publication, Being Written**  \* *indicates previous undergraduate student-researcher* |
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| Dr Jacob J. D. Egge  *Biology* | Egge, JJD, Nicholson, PW, Stark, AW (In Press) Morphological and molecular variation in the least madtom, *Noturus hildebrandi* (Siluriformes: Ictaluridae), a Mississippi Embayment endemic: evidence for a cryptic lineage in the Hatchie River. *Journal of Fish Biology*.  \*Egge, JJD and Hagbo, T (In Review) Comparative phylogeography of Mississippi Embayment fishes. *PLoS ONE*.  \*This paper has been positively reviewed and we are in the process of completing minor revisions before what we hope will be final acceptance. |
| Dr Eric E. Finney  *Chemistry* | Kaley\*, E. A.; Finney, E. E. “Forensic Analysis of Biodiesel.” Submitted to *Forensic Science International*, revisions pending. |
| Dr Jon O. Freeman  *Chemistry* | Freeman, J.O., Murphy, M.E.P., Sherman, J.C. “Monomer-Dimer control and crystal engineering in TASPs.” *Chemistry – A European Journal*, **2012**, *18*, 11409. |
| Dr Alex R. Lechler  *Geosciences* | Lechler, AR, Niemi, NA, Hren, MT, and Lohmann, KC, 2013, Paleoelevation estimates for the northern and central proto-Basin and Range from carbonate clumped isotope thermometry, *Tectonics*, v. 32, no. 3, p. 295-316.  Lechler, AR, and Galewsky, J, 2013, Refining paleoaltimetry reconstructions of the Sierra Nevada, California, using air parcel trajectories, *Geology*, v. 41, no. 2, p. 259-262.  *In Revision*  Huntington, KW, and Lechler, AR**,** *in revision*, Carbonate clumped isotope thermometry in continental tectonics, *Tectonophysics.* |
| Dr Heidi Schutz  *Biology* | PUBLISHED  Schutz, H., H. A. Jamniczky, B. Hallgrímsson, and T. Garland. 2014. Shape-shift: Semicircular canal morphology responds to selective breeding for increased locomotor activity. Evolution 68:3184–3198.  Labocha, M. K., Schutz, H. and Hayes, J. P. 2013. Which body condition index is best? Oikos 123: 111–119. doi: 10.1111/j.1600-0706.2013.00755.x  E. M. Dlugosz1, H. Schutz, T. H. Meek, W. Acosta ,C. J. Downs E. G. Platzer, M. A. Chappell and T. Garland Jr. 2013. Immune response to a *Trichinella spiralis* infection in house mice from lines selectively bred for high voluntary wheel running. *The Journal of Experimental Biology* 216 (10): 4212-4221  IN REVIEW:  Copes L.E., H. Schutz, E.M. Dlugosz, W. Acosta, M. A. Chappell and T. Garland, Jr. Increased food consumption caused by voluntary exercise (wheel running) is not fully compensated by reduced spontaneous physical activity in mice: results from an artificial selection experiment. *International Journal of Obesity.* |
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| Dr Julie W. Smith  *Biology* | Benkman, C. W., J. W. Smith, M. Maier, and L. Hansen and M. V. Talluto. 2013 Consistency and variation in phenotypic selection exerted by a community of seed predators. Evolution 67:157-169.  Smith, J. W., S. Sjoberg, M. Mueller, and C. W. Benkman. 2012. Assortative flocking in crossbills and implications for ecological speciation. Proceedings of the Royal Society London Series B 279:4223-4229.  Benkman, C. W., A. M. Siepielski, and J. W. Smith. 2012. Consequences of trait evolution in a multi-species system. Pages 278-292 i*n* Interaction Richness and Complexity: Ecological and Evolutionary Aspects of Trait-Mediated Indirect Interactions. T. Ohgushi, O. Schmitz, and R. Holt, eds. Cambridge University Press  Santisteban, L., C. W. Benkman, T. Fetz, and J. W. Smith. 2012. Survival and population size of a resident bird species are declining as temperature increases. Journal of Animal Ecology 81:352–363 |
| Dr Claire E. Todd  *Geosciences/ Environmental Studies* | Balco, G., J. Stone, M. Sliwinski, and C. Todd. (2014) Features of the glacial history of the Transantarctic Mountains inferred from cosmogenic Al-26, Be-10, and Ne-21 concentrations in bedrock surfaces. *Antarctic Science* 26(6), 708-723.  Campbell, S., G. Balco, C. Todd, and H. Conway (2013) Radar-detected englacial stratigraphy in the Pensacola Mountains, Antarctica: implications for recent changes in ice flow and accumulation. *Annals of Glaciology* 54(63), 91-100. |
| Dr Dean A. Waldow  *Chemistry* | Cox, P. A.; Waldow, D. A.; Dupper, T. J.; Jesse, S.; Ginger, D. S. Mapping Nanoscale Variations in Photochemical Damage of Polymer/Fullerene Solar Cells with Dissipation Imaging. *ACS Nano* 2013,*7(11)*, 10405-10413. |
| Dr Neal A. Yakelis  *Chemistry* | Boydston, A. J.; Yakelis, N. A.; Peterson, G. I.; Church, D. C. (Univ. of Washington and Pacific Lutheran University) Thermally-triggered self-immolative polymers. US Provisional Patent 61/734,448, December 7, 2012.  Peterson, G. I.; Church, D. C.; Levandowski**\***, B. J.; Wisbeck**\***, A. W.; Yakelis, N. A.; Boydston, A. J. Thermally-Activated Triggers for Self-Immolative Polymers. *J. Am. Chem. Soc.* 2013 (manuscript rejected; in revision for publication elsewhere)  Boydston, A. J.; Yakelis, N. A.; Berenson, R.; Peterson, G. I. (Univ. of Washington and Pacific Lutheran University) Thermally-Triggered Self-Immolative Polymers. 46136.02WO2 (in preparation for submission) |