

## 1) Co-authors on scientific publications (77 total)

- 1) Kim JH, Shinde DN, Reijnders MRF, Hauser NS, **Belmonte RL**, **Wilson GR**, Bosch DGM, Bubulya PA, Shashi V, Petrovski S, Stone JK, Park EY, Veltman JA, Sinnema M, Stumpel C, Draaisma JM, Nicolai J, Yntema HG, Lindstrom K, de Vries BBA, Jewett T, Santoro SL, Vogt J, Bachman KK, Seeley AH, Krokosky A, Turner C, Rohena L, Hempel M, Kortüm F, Lessel D, Neu A, Strom TM, Wieczorek D, Bramswig N, Laccone FA, Behunova J, Rehder H, Gordon CT, Rio M, Romana S, Tang S, El-Khechen D, Cho MT, McWalter K, Douglas G, Baskin B, Begtrup A, Funari T, Schoch K, Stegmann APA, Stevens SJC, Zhang DE, Traver D, Yao X, MacArthur DG, Brunner HG, Mancini GM, Myers RM, Owen LB, Lim ST, Stachura DL, Vissers L, Ahn EY. 2016. De novo loss-of-function mutations in SON disrupt RNA-splicing of genes essential for brain development and metabolism, causing an intellectual disability syndrome. *The American Journal of Human Genetics*. 2016 Sep 1;99(3):711-9.
- 2) Cortes M, Chen MJ, Stachura DL, Liu SY, Kwan W, **Wright F**, Vo LT, Theodore LN, Esain V, Frost IM, Schlaeger TM, Goessling W, Daley GQ, North TE. 2016. Developmental Vitamin D Availability Impacts Hematopoietic Stem Cell Production. *Cell Rep*. 2016 Oct 4;17(2):458-468.
- 3) Gansner JM, Leung AD, Superdock M, Blair MC, Ammerman MB, Durand EM, Barut B, Handin RI, Stachura DL, Lu C, Springer TA, Zon LI. 2017. Sorting zebrafish thrombocyte lineage cells with a cd41 monoclonal antibody enriches hematopoietic stem cell activity. *Blood*. 2017 Mar 9;129(10):1394-1397.
- 4) **Wolf A\***, **Aggio J\***, **Campbell C**, **Wright F**, **Marquez G**, Traver D, Stachura DL. 2017. Zebrafish Caudal Haematopoietic Embryonic Stromal Tissue (CHEST) Cells Support Haematopoiesis. *Sci Rep*. 2017 Mar 16;7:44644.
- 5) Harris, E.Y., Keller, D., Stachura, D., and Wolfe, G. (2016) Bioinformatics Sister Courses: An Interdisciplinary Collaborative Learning Framework to Teach Bioinformatics. 2016 International Conference on Computational Science and Computational Intelligence. p. 382-385.
- 6) **Simpson**, A. G., K. A. Schierenbeck, V. T. Parker, and C. T. Ivey. 2017. Not all plant taxa display typical latitude-propagule size gradients: a case study in *Arctostaphylos* L. (Ericaceae). *Madroño* 64: 83-91.
- 7) **Ha, M. K.**, and C. T. Ivey. 2017. Pollinator-mediated interactions in experimental arrays vary with neighbor identity. *American Journal of Botany* 104: 252-260.
- 8) **Hove**, A. A., S. J. Mazer, and C. T. Ivey. 2016. Seed-set variation in wild *Clarkia* populations: teasing apart the effects of seasonal resource depletion, pollen quality, and pollen quantity. *Ecology and Evolution* 6: 6524-6536.
- 9) Ivey, C. T., L. **Dudley**, A. **Hove**, S. Emms, and S.J. Mazer. 2016. Outcrossing and photosynthetic rates vary independently within two *Clarkia* species: implications for the joint evolution of drought escape physiology and mating system. *Annals of Botany* 118: 897-905.

- 10) Bruce, N.L., Brix, S., **Balfour, N.**, Kihara, T.C., Weigand, A.M., Mehterian, S. and Iliffe, T.M., 2017. A new genus for *Cirolana troglexuma* Botosaneanu & Iliffe, 1997, an anchialine cave dwelling cirolanid isopod (Crustacea, Isopoda, Cirolanidae) from the Bahamas. *Subterranean Biology*, 21, p.57.
- 11) Ballen CJ, Aguillon S, Brunelli R, Drake AG, Monti D, Wassenberg D, Weiss S, Zamudio KR, and Cotner S "Do small classes reduce gender gaps in STEM?" (Submitted to PLoS One, 2017).
- 12) **Olson, Eric O.\***, **Jackson D. Shedd\***, and Tag N. Engstrom. 2016. A field inventory and collections summary of the herpetofauna from the Sutter Buttes, an "inland island" within California's Great Central Valley. *Western North American Naturalist*. 76(3): 352-366.
- 13) Marchetti, Michael P., and Tag N. Engstrom. 2016. The conservation paradox of endangered and invasive species. *Conservation Biology*. 30(2): 434–437.
- 14) Schierenbeck, K.A. 2017. Population-level genetic variation and climate change in a biodiversity hotspot. *Annals of Botany* 119(2), 215–228.
- 15) Johnson, M.G., **K. Lang**, P. Manos, G.H. Golet, and K.A. Schierenbeck. 2016. Evidence for genetic erosion of a California native tree, *Platanus racemosa*, via recent, ongoing introgressive hybridization with an introduced ornamental species. *Conservation Genetics* 17(3), 593–602.
- 16) Echevarria ML, Wolfe GV, Taylor A. 2016. Feast or flee: bioelectrical regulation of feeding and predator evasion behaviors in the planktonic alveolate *Favella* sp. (*Spirotrichia*). *J. Exp. Biol.* 219:445-56
- 17) Ervin B, Wolfe GV. 2016. Acido-thermotolerant fungi from Boiling Springs Lake, Lassen Volcanic National Park, CA: Potential lignocellulosic biofuels. *American Mineralogist* 101:2484-97
- 18) Schierenbeck, K.A. 2017. Population-level genetic variation and climate change in a biodiversity hotspot. *Annals of Botany* 119 (2): 215-228.
- 19) Banet, A.I., Svendsen, J.C., Eng, K.J. and D.N. Reznick. 2016. Linking reproduction, locomotion, and habitat use in the Trinidadian guppy (*Poecilia reticulata*). *Oecologia* 181(1):87-96.
- 20) Bogiatto, R. J., J. B. Ashe, **L. E. Cockrell**, **S. R. Foster**, M.L. Mattson, and J. T. Ruckle. 2015. Temporal pattern of wetland use by Eurasian and American wigeon in the Northern Sacramento Valley, California. *Northwestern Naturalist* 96(3): 234-239.
- 21) Miller III, D.G., **Lawson, S.P.**, Rinker, D.C., **Estby, H.** and Abbot, P. (2015) The origin and genetic differentiation of the socially parasitic aphid *Tamalia inquilinus*. *Molecular Ecology* 24: 5751-5766.
- 22) Kakishima, S., Morita, S., Yoshida, K., Ishida, A., Hayashi, S., Asami, T., Ito, H., Miller III, D.G., Uehara, T., Mori, S., Hasegawa, E., Matsuura, K., Kasuya, E. and Yoshimura, J. (2015) The contribution of seed dispersers to tree species diversity in tropical rain forests. *Royal Society Open Science* 2: 150330. DOI: 10.1098/rsos.150330

- 23) **Ervin, B.** and G. V. Wolfe (2016). "Acido-thermotolerant fungi from Boiling Springs Lake, Lassen Volcanic National Park, CA: Potential lignocellulosic biofuels." American Mineralogist **101**(11): 2484-2497.
- 24) Pushnik J. Public-Public Partnerships for a New Paradigm in the Civic Role of the University. (Submitted/Under Review) Sustainability: The Journal of Record
- 25) Emerson, D, JJ Scott, AE Leavitt, EJ Fleming, & CL Moyer. (2017). In situ estimates of iron-oxidation and accretion rates for iron-oxidizing bacterial mats at Loihi Seamount. Deep Sea Research Part I. <http://dx.doi.org/10.1016/j.dsr.2017.05.011>
- 26) Pushnik J. and C. Hatfield. 2016. Navigating a Complex World: Advancing Sustainability through Resilience Education. The International Journal of Sustainability Education 12 (4) 13-24.
- 27) **Gottschalk-Fisher, E.**, J. Silveira and C. Hatfield. 2016. Introduction of two rare vernal pool grasses, Greene's tuctoria (*Tuctoria greenie*) and Colusa grass (*Neostapfia colusana*). Vernal Pools in Changing Landscapes Studies. Studies from the Chico State Herbarium
- 28) Julian Aggio, Brenda Avalos, P Laurie:**
- 29) Campbell C, Su T, Lau RP, Shah A, Laurie PC, Avalos B, Aggio J, Harris E, Traver D, Stachura DL. Zebrafish Embryonic Stromal Trunk (ZEST) cells support hematopoietic stem and progenitor cell (HSPC) proliferation, survival, and proliferation. *Experimental Hematology*. 2015 Dec;43(12):1047-61.
- 30) Bryan Ervin (former MS):**
- 31) Ervin B, Wolfe GV (2016) Acido-thermotolerant fungi from Boiling Springs Lake, Lassen Volcanic National Park, CA: Potential for lignocellulosic biofuels. American Mineralogist, in the press
- 32) J.B. Ashe, L.E. Cockrell, S.R. Foster, M.L. Mattson, and J.T. Ruckle. :**
- 33) Bogiatto, R.J., **J.B. Ashe, L.E. Cockrell, S.R. Foster, M.L. Mattson, and J.T. Ruckle.** 2015. Temporal pattern of wetland use by Eurasian and American wigeon in the Northern Sacramento Valley, California. *Northwestern Naturalist* 96(3): 234-239.
- 34) Brunelli, Rebecca L; Blake, Jennifer; Willits, Neil; Rommeck, Ina; McCowan, Brenda, "Effects of a Mechanical Response Contingent Surrogate on Development of Behaviors in Nursery-Reared Rhesus Macaques (*Macaca mulatta*)." *Journal of American Association of Laboratory Animal Science*, **2014** 53(5) 464-471
- 35) Victoria A. Meliopoulos, Erik A. Karlsson, Lisa Kercher, Troy Cline, Pamela Freiden, Susu Duan, Peter Vogel, Richard J. Webby, Yi Guan, Malik Peiris, Paul G. Thomas and Stacey Schultz-Cherry "Human H7N9 and H5N1 influenza viruses differ in induction of cytokines and tissue tropism." *Journal of Virology*. **2014** Nov; 88(22) 12982-12991
- 36) Miller III, D.G. and **B. G. Taylor.** **2014** High mean relatedness among communally-galling *Tamalia* aphids revealed by AFLP analysis. *Insectes Sociaux* **61**: 395-402.
- 37) Book Chapter - in RISE Volume 6, *Research in Undergraduate Science Education*.** Marcum, B., and T. Heaston. Teaching Early Science Teaching Experiences for

Undergraduates in an On-Campus, Hands on Laboratory. In Sunal, D., Sunal, C. & Wright, E., Mason, C., and Zollman, D. (Eds.), *Research based undergraduate science teaching (RISE)*. Information Age Publishers. Charlotte, N.C. 2014.

- 38) Schierenbeck, K.A. **2014**. Phylogeography of California: An Introduction. University of California Press, Berkeley, CA.
- 39) Svoboda O, Stachura DL, Machonova O, Pajer P, Brynda J, Zon LI, Traver D, Bartunek P. **2014**. Dissection of vertebrate hematopoiesis using zebrafish thrombopoietin. *Blood*. 2014 Jul 10;124(2):220-8.
- 40) Ouyang K, Leandro Gomez-Amaro R, Stachura DL, Tang H, Peng X, Fang X, Traver D, Evans SM, Chen J. **2014**. Loss of IP3R-dependent Ca<sup>+2</sup> signaling in thymocytes leads to aberrant development and acute lymphoblastic leukemia. *Nature Communications*. **2014** Sep 12;5:4814.
- 41) Kim AD, Melick CH, Clements WK, Stachura DL, Distel M, Panáková D, MacRae C, Mork LA, Crump JG, Traver D. 2014. Discrete Notch signaling requirements in the specification of hematopoietic stem cells. *EMBO J*. **2014** Oct 16;33(20):2363-73.
- 42) Espín-Palazón R, Stachura DL, Campbell CA, García-Moreno D, Del Cid N, Kim AD, Candel S, Meseguer J, Mulero V, and Traver D. 2014. Proinflammatory signaling regulates hematopoietic stem cell emergence. *Cell*. **2014** Nov 20;159(5):1070-85. ✂
- 43) Lee Y, Manegold J, Kim A, Pouget C, Stachura DL, Clements W, and Traver. **2014**. FGF signaling specifies hematopoietic stem cells through its regulation of somitic Notch signaling. *Nat Commun*. **2014** Nov 27;5:5583.
- 44) Butko E, Distel M, Pouget C, Weijts B, Kobayashi I, Ng K, Mosimann C, Poulain FE, McPherson A, Ni CW, Stachura DL, Del Cid N, Espín-Palazón R, Lawson ND, Dorsky R, Clements WK, Traver D. 2015. Gata2b is a restricted early regulator of hemogenic endothelium in the zebrafish embryo. *Development*. **2015** Mar 15;142(6):1050-61.
- 45) Stachura DL and Traver D. **2014**. Hematopoietic ontogeny in the axolotl. *Blood*. **2014** Aug 21;124(8):1204-6.
- 46) Kim AD, Stachura DL, Traver D. **2014**. Cell Signaling pathways involved in hematopoietic stem cell specification. *Experimental Cell Research*. **2014** Dec 10; 329(2):227-233.
- 47) Arroyo FA, Siering PL, Hampton JS, Mccartney A, Hurst MP, Wolfe GV, Wilson MS (**2015**) Isolation and characterization of novel iron-oxidizing autotrophic and mixotrophic bacteria from Boiling Springs Lake, an oligotrophic, acidic geothermal habitat. *Geomicrobiol. J.*, 32, 140-157.
- 48) Echevarria ML, Wolfe GV, Strom SL, Taylor A (**2014**) Connecting alveolate cell biology with trophic ecology in the marine plankton using the ciliate *Favella* as a model. *FEMS Microbiology Ecology*, 90, 18-38.

- 49) **Reeder IV WHH, Sanck J**, Hirst M, Dawson S, Wolfe GV (2015) The food web of Boiling Springs Lake appears dominated by the heterolobosean *Tetramitus thermacidophilus* strain BSL. *J. Euk. Microbiol.*, 62, 374-390.
- 50) Wolfe GV, Fitzhugh C, **Almasary A, Green A, Bennett P, Ervin B**, Wilson MS, Siering PL (2014) Microbial heterotrophic production in an oligotrophic acid geothermal lake: responses to organic amendments and terrestrial plant litter. *FEMS Microbiology Ecology*, 89, 606-624.  
Submitted (6):
- 51) Brunelli, R. *Effects of a Mechanical Response Contingent Surrogate on Development of Behaviors in Nursery-Reared Rhesus Macaques (Macaca mulatta)* accepted into Journal of American Association of Laboratory Animal Science for publication date: November 2014
- 52) Tatiana Baranovich, Olga Bridges, Andrew Burnham, David Carey, Troy Cline, Jeri Crumpton, et al. Assessing the fitness of distinct clades of influenza A (H9N2) viruses. 2013. *Emerging Microbes and Infections*. Nov. 2 e75
- 53) Husni Elbahesh, Troy Cline, Tatiana Baranovich, Elena A. Govorkova, Stacey Schultz-Cherry, Charles J. Russell. Novel roles of focal adhesion kinase in cytoplasmic entry and replication of influenza A viruses. *J. Virol*. Published ahead of print 2 April 2014 *J. Virol* doi:10.1128/JVI.00530-14
- 54) Zhang, J., Taylor, C., Bowman, E., **Savage-Low, L.**, Lodewyk, M.W., Hanne, L., Wu, G. 2013. Inverse Electron Demand hetero-Diels-Alder Reaction in Preparing 1,4-Benzodioxin from o-Quinone and Enamine. *Tetrahedron Letters* 54:6298-6302.
- 55) Marcum, B., and T. Heaston. Teaching Early Science Teaching Experiences for Undergraduates in an On-Campus, Hands on Laboratory. In Sunal, D., Sunal, C. & Wright, E., Mason, C., and Zollman, D. (Eds.), *Research based undergraduate science teaching (RISE)*. Information Age Publishers. Charlotte, N.C. release anticipated for Fall, 2014.
- 56) Miller III, D.G., Sandberg, J. and **Mabry, J.** (in press) Interception of an eastern North American scorpionfly (Mecoptera: Panorpidae) captured in California. [Pan-Pacific Entomologist](#).
- 57) Shimizu, A., Dohzono, I., Nakaji, M., Roff, D.A., Miller III, D.G., Osato, S., Yajima, T., Niitsu, S., Utsugi, N., Sugawara, T., Yoshimura, J. (2014). Fine-tuned bee-flower coevolutionary state hidden within multiple pollination interactions. [Scientific Reports](#) 4: 3988. DOI: 10.1038/srep03988.
- 58) **Bennett Sall, Michael W. Jenkins** and James C. Pushnik. 2013. Retrospective analysis of two Northern California wild-land fires via Landsat five satellite imagery and Normalized Difference Vegetation Index (NDVI). *Open Journal of Ecology* Vol.3 (4): 311-323
- 59) Parker, J., M. Torchin, R.A. Hufbauer, N.P. Lemoine, C. Alba, D.M. Blumenthal, O. Bossdorf, J.E. Byers, A.M. Dunn, R.W. Heckman, M. Hejda, V. Jarošík, A. R. Kanarek, L.B. Martin, S.E. Perkins, P. Pyšek, K.A. Schierenbeck, C. Schlöder, R. van Klinken, K.J.

Vaughn, W. Williams, and L.M. Wolfe. 2013. Do invasive species perform better in their new ranges? *Ecology* 94:985–994.

- 60) Blee, K., **John Hein**, and G. V. Wolfe. 2013. Arabidopsis thaliana: a useful but limited model to investigate stress impacts on rhizosphere community composition and function, p. 265-270. In F. J. de Bruijn (ed.), *Molecular Microbial Ecology of the Rhizosphere*. John Wiley & Sons, Inc.
- 61) Wolfe, G. V., **Billie Reeder**, and **Bryan Ervin**. 2013. Novel materials enable a low-cost temperature-light gradient incubator for microbial studies. *Journal of Microbiological Methods* 97:29-33.
- 62) Wolfe, G. V., C. Fitzhugh, **A. Almasary**, **Adrian Green**, P. Bennett, **Bryan Ervin**, M. S. Wilson, and P. L. Siering. 2014. Microbial heterotrophic production in an oligotrophic acid geothermal lake: responses to organic amendments and terrestrial plant litter. *FEMS Microbiology Ecology* in review.
- 63) **Billie Reeder IV**, W. H. H., J. Sanck, M. Hirst, S. Dawson, and G. V. Wolfe. 2014. Diversity and activities of phagotrophic micro-eukaryotes in Boiling Springs Lake, Lassen Volcanic National Park. Submitted to *J. Euk. Microbiol.*
- 64) Badenhorst Daleen, Roscoe Stanyon, Tag N. Engstrom, Nicole Valenzuela. 2013, ZZ/ZW microchromosome system in the spiny softshell turtle, *Apalone spinifera*, reveals an intriguing sex chromosome conservation in Trionychidae. *Chromosome Research*. 21:137–147.
- 65) **Patterson, M.**, C.T. Ivey, A.L. Edwards, K.A. Schierenbeck, and J.K. Nelson. 2013. Habitat, seed dormancy, and allozyme variation of the rare endemic, *Phacelia cookei*. *Madroño* 60:11-23.
- 66) **Purdy, G. C.** and D. G. Miller (2013). Evidence for adaptive sex allocation in *Tamalia coweni* (Hemiptera: Aphididae) in response to nutrient variability in *Arctostaphylos patula* (Ericaceae). *Evolutionary Ecology Research* **15**: 79-91.
- 67) **Yoshimura, J.**, Ito, H., Miller, D. G., **Tainaka, K.** (2013). Dynamic decision-making in uncertain environments I. The principle of dynamic utility. *Journal of Ethology* (invited paper) DOI 10.1007/s10164-013-0362-4
- 68) **Yoshimura, J.**, Ito, H., Miller, D. G., **Tainaka, K.** (2013). Dynamic decision-making in uncertain environments II. Allais paradox in human behavior. *Journal of Ethology* (invited paper) DOI 10.1007/s10164-013-0359-z
- 69) **Jenkins, M.W.**, Krofcheck, D.J. Teasdale, R. , Houpis, J and Pushnik, J.C. (2012) Exploring the edge of a natural disaster. *Open Journal of Ecology*, 2:222-232
- 70) Furuuchi, H., **Jenkins, M.W.**, Houpis, J., and Pushnik, J.C. (2013) Estimating plant crown transpiration and water-use efficiency by vegetative reflective indices associated with chlorophyll fluorescence. *Open Journal of Ecology*, 3: 122-132

- 71) **Sall, B., Jenkins, M.W.** and Pushnik, J.C. (2013) Retrospective analysis of two northern California wild-land fires via Landsat five satellite imagery and normalized difference vegetation index (NDVI). *Open Journal of Ecology*.5:?? *In Press*
- 72) Parker, J., M. Torchin, R.A. Hufbauer, N.P. Lemoine, C. Alba, D.M. Blumenthal, O. Bossdorf, J.E. Byers, A.M. Dunn, R.W. Heckman, M. Hejda, V. Jarošík, A. R. Kanarek, L.B. Martin, S.E. Perkins, P. Pyšek, K.A. Schierenbeck, C. Schlöder, R. van Klinken, K.J. Vaughn, W. Williams, and L.M. Wolfe. 2013. Do invasive species perform better in their new ranges? *Ecology* 94:985–994.
- 73) Dunn, A.E., M.E. Torchin, M.J. Hatcher, P.M. Kotanen, D.M. Blumenthal, J.E. Byers, C.A.C. Coon, V.M. Frankel, R.D. Holt, R.A. Hufbauer, A.R. Kanarek, K.A. Schierenbeck, L.M. Wolfe, and S.E. Perkins. 2012. Indirect effects of parasites on invasions. *Functional Ecology* 26:1262-1274.
- 74) Siering, P.L., G.V. Wolfe, M.S. Wilson, **A.N. Yip, C.M. Carey, C.D. Wardman, R. Shapiro, K. M. Stedman, J. Kyle, T. Yuan, J. D. Van Nostrand, Z. He, and J. Zhou.** 2013. Microbial Biogeochemistry of Boiling Springs Lake: a Physically Dynamic, Oligotrophic Low pH Geothermal Ecosystem. *Geobiology*, in the press.
- 75) Read B.A., J. Kegel, M.J. Klute, A.Kuo, S.C. Lefebvre, F. Maumus, C. Mayer, J. Miller, M. Aguilar, A. Allen, K. Bidle, M. Borodovsky, C. Bowler, C. Brownlee, J.-M. Claverie, J.M. Cock, C. de Vargas, M. Elias, S. Frickenhaus, V.N. Gladyshev, K. Gonzalez, M. Groth, C. Guda, A. Hadaegh, E.K. Herman, D. Iglesias-Rodriguez, B. Jones, T. Lawson, F. Leese, Y.-C. Lin, E. Lindquist, A. Lobanov, S. Lucas, S.-B. Malik, M.E. Marsh, T. Mock, A. Monier, B. Mueller-Roeber, J. Napier, H. Ogata, A. Pagarete, M. Parker, I. Probert, H. Quesneville, C. Raines, S. Rensing, D.M. Riano-Pachon, S. Richier, S. Rokitta, A. Salamov, A.F. Sarno, J. Schmutz, D. Schroeder, Y. Shiraiwa, D.M. Soanes, K. Valentin, M. van der Giezen, Y. Van der Peer, Frederic Verret, P. von Dassow, G. Wheeler, B. Williams, W. Wilson, **G.V. Wolfe**, L.L. Wurch, J. Young, J.B. Dacks, C.F. Delwiche, S. Dyhrman, G. Glöckner, U. John, T. Richard, A.Z. Worden, X. Zhang, and I.V. Grigoriev. 2013. *Emiliania's* pan genome drives the phytoplankton's global distribution. *Nature*, in the press
- 76) **Colin Purdy – Purdy, G. C.** and D. G. Miller (in press). Evidence for adaptive sex allocation in *Tamalia coweni* (Hemiptera: Aphididae) in response to nutrient variability in *Arctostaphylos patula* (Ericaceae). *Evolutionary Ecology Research*
- 77) **Catherine Yasuda – Lambert, M.R., Yasuda, C.M.** and Todd, B.D. 2012. Evaluation of a photographac technique for estimating body size in lizards from a distance. *Herpetological Conservation and Biology* 7(1): 83-88.

## 2) Presenters at scientific meetings (206 total)

- 1) **Aggio J, Brown A, Wright F, Marquez G, Campbell C, Traver D, Stachura DL.** 2016. Zebrafish caudal hematopoietic embryonic stromal cells support hematopoietic stem and progenitor cell proliferation and differentiation. **Poster** Presentation. 45<sup>th</sup> International Society for Experimental Hematology meeting, San Diego, CA, Aug 26, 2016.

- 2) Harris EY, Keller D, Stachura D, Wolfe G. 2016. Bioinformatics Sister Courses - An Interdisciplinary Collaborative Learning Framework to Teach Bioinformatics. 2016 International Conference on Computational Science and Computational Intelligence (CSCI). Session 3I-ISED, Presentation, December 17, 2016.
- 3) **Berrun A, Laurie P, Stachura DL. 2017.** *ism1* depletion negatively affects vertebrate hematopoiesis. **Poster** Presentation. 29<sup>th</sup> Annual CSU Biotechnology Symposium, Santa Clara, CA, January 7, 2017.
- 4) **Smith J, Arpin C, Stachura DL. 2017.** Growth receptor bound protein-2 (GRB2) overexpression increases proliferation of myeloid cells in acute myeloid leukemia (AML). **Poster** Presentation. 29<sup>th</sup> Annual CSU Biotechnology Symposium, Santa Clara, CA, January 6, 2017.
- 5) **Smith J, Arpin C, Stachura DL. 2017.** Growth receptor bound protein-2 (GRB2) overexpression increases proliferation of myeloid cells in acute myeloid leukemia (AML). Eden Graduate Student Finalist **Presentation**. 29<sup>th</sup> Annual CSU Biotechnology Symposium, Santa Clara, CA, January 7, 2017.
- 6) **Wolf A, Aggio J, Campbell C, Wright F, Marquez G, Shah A, Traver D, Harris E, Stachura DL. 2017.** Zebrafish embryonic endothelial cells support hematopoiesis. **Poster** Presentation. 7<sup>th</sup> Strategic Conference of Zebrafish Investigators, Asilomar, CA, January 15, 2017.
- 7) **Berrun A, Stachura DL. 2017.** Characterization of *ism-1* in hematopoietic differentiation and proliferation. **Presentation**, 31<sup>st</sup> Annual Student Research Competition, Chico, CA, March 17, 2017. Won 2<sup>nd</sup> place (out of five presenters) and selected to present research at the statewide competition.
- 8) **Smith JS, Stachura DL. 2017.** Growth receptor bound protein-2 (GRB2) overexpression expands myeloid cells and increases proliferation in chronic myeloid leukemia (CML). **Presentation**, 31<sup>st</sup> Annual Student Research Competition, Chico, CA, March 17, 2017. Won 1<sup>st</sup> place (out of five presenters) and selected to present research at the statewide competition.
- 9) **Barton-Wechsler S, Stachura DL, Ho E, Housley L. 2017.** Effects of Zinc Supplementation on Carnitine and Lactate Concentrations in Cultured Liver Cells. **Poster** Presentation. College of Natural Sciences 13<sup>th</sup> Annual Poster Session, Chico, CA, May 10, 2017.
- 10) **Metzger H, Stachura DL. 2017.** Differential Effects of *bcl2* Overexpression in Various B Lymphocyte Populations. **Poster** Presentation. College of Natural Sciences 13<sup>th</sup> Annual Poster Session, Chico, CA, May 10, 2017. **Poster** Presentation. 21<sup>st</sup> Annual Student Research Poster Symposium, Chico, CA, May 12, 2017.
- 11) **Berrun A, Stachura DL. 2017.** *Ism-1* depletion negatively affects vertebrate hematopoiesis. **Poster** Presentation. College of Natural Sciences 13<sup>th</sup> Annual Poster Session, Chico, CA, May 10, 2017. **Poster** Presentation. 21<sup>st</sup> Annual Student Research Poster Symposium, Chico, CA, May 12, 2017.
- 12) **Schmidt T, Boice M, Pulido O, Stachura DL. 2017.** *Kal1b* reduction decreases



vertebrate blood cells. **Poster** Presentation. College of Natural Sciences 13<sup>th</sup> Annual Poster Session, Chico, CA, May 10, 2017. **Poster** Presentation. 21<sup>st</sup> Annual Student Research Poster Symposium, Chico, CA, May 12, 2017.

- 13) **Aguilar S, Rodriguez S, Hanson T, Arpin C, Stachura DL. 2017.** Analysis of novel inhibitors of the GRB2 SH2 domain that decrease proliferation in chronic myeloid leukemia. **Poster** Presentation. College of Natural Sciences 13<sup>th</sup> Annual Poster Session, Chico, CA, May 10, 2017. **Poster** Presentation. 21<sup>st</sup> Annual Student Research Poster Symposium, Chico, CA, May 12, 2017.
- 14) **Tinsley B, Berrun A, Stachura DL. 2017.** *Mustn1a* depletion negatively affects vertebrate hematopoiesis. **Poster** Presentation. 21<sup>st</sup> Annual Student Research Poster Symposium, Chico, CA, May 12, 2017.
- 15) **Schmidt T, Boice M, Pulido O, Stachura DL. 2017.** *Kal1b* reduction decreases vertebrate blood cells. **Poster** Presentation. 21<sup>st</sup> Annual Student Research Poster Symposium, Chico, CA, May 12, 2017.
- 16) **Metzger H, Stachura DL. 2017.** Differential Effects of *bcl2* Overexpression in Various B Lymphocyte Populations.
- 17) **Berrun A, Stachura DL. 2017.** *Ism-1* depletion negatively affects vertebrate hematopoiesis. **Rice C, Stachura DL, Schierenbeck K. 2017.** Serpentine Adaptation Gene Expression in *Mimulus glaucescens*. **Poster** Presentation. 21<sup>st</sup> Annual Student Research Poster Symposium, Chico, CA, May 12, 2017.
- 18) Presentation entitled “Many Religions, One Science” at the “Religion, Science, and the Modern World” conference organized by Greg Cootsona, Department of Comparative Religion and Humanities on April 8<sup>th</sup>, 2017, CS, Chico. J. Mahoney
- 19) MicroRNA-375 controls pancreatic alpha and beta cell growth in opposing ways. **P. Diaz, G. Prator, M. French,** and D.M. Keller. 29<sup>th</sup> Annual CSU Biotechnology Symposium, Santa Clara, CA 1/6/17
- 20) **Hove, A.A., S.J. Mazer, C.T. Ivey.** Seed-set variation in wild *Clarkia* populations: teasing apart the effects of seasonal resource depletion, pollen quality, and pollen quantity. Botanical Society of America, Savannah, Georgia, 29 July – 3 August 2016.
- 21) Trevor Moore, Aithne Loeblich, Colleen Hatfield and Shahroukh Mistry Acoustic Monitoring of Bat Diversity in Northern California. 2017 The Wildlife Society – Western Section Annual Meeting Reno, NV February 9<sup>th</sup>, 2017
- 22) **Candice Sawyer;** BROOD PARASITISM IN *ANAS PLATYRHYNCHOS* IN AGRICULTURAL NESTING SITES. California State University Chico; 400 W 1st Street, Chico, CA, 95929-515; *Raymond, J, Bogiatto; David, M, Keller; Donald, G, Miller*
- 23) Brunelli, B. Poster Presentation for Learning Enhancement Grant, CELT Conference (October 2016), Introduction to Living Systems (BIOL 102) Redesign to Increase Student Engagement.

- 24) **Irene Lona** 2017 *Landing rate of the walnut twig beetle, Pityophthorus juglandis, on two western North American walnut species, Juglans californica and J. major* at The Wildlife Society-Western Section Annual Meeting, Reno, NV (with Donald G. Miller, Colleen Hatfield, Richard C. Rosecrance, and Steven J. Seybold)
- 25) **Irene Lona** 2016 presented research poster, *Landing rate of the walnut twig beetle, Pityophthorus juglandis, on two western North American walnut species, Juglans californica and J. major* at California Forest Pest Council, University of California, Davis (with Donald G. Miller, Colleen Hatfield, Richard Rosecrance, and Steven Seybold)
- 26) **Don Dahlsten** 2016 presented research poster, *Landing rate of the walnut twig beetle, Pityophthorus juglandis, on two western North American walnut species, Juglans californica and J. major* at XXV International Congress of Entomology, Orlando, Florida (with Donald G. Miller, Colleen Hatfield, Richard Rosecrance, and Steven Seybold)
- 27) **Badri Ghimire** 2017 presented research poster, *Does deer browsing affect Tamalia galling aphid populations on manzanita (Arctostaphylos sp.) host plants?* The Wildlife Society-Western Section Annual Meeting, Reno, NV (with Donald G. Miller)
- 28) 2017 Insects and Their Habitats in Big Chico Creek Canyon. Osher Lifelong Learning Institute at CSU, Chico (Invited Speaker).
- 29) 2017 Miller, D.G. and Hatfield, C.A. The importance of natural reserves in conservation, education and research. This Way to Sustainability Conference, CSU, Chico.
- 30) 2016 Miller, D.G. The *Tamalia* gall-inducing aphid as intermediary between host plant and inquiline. XXV International Congress of Entomology, Orlando, Florida.
- 31) **Bamford, M.** and K.A. Schierenbeck. 2017. Restoration of yellow star thistle invaded grasslands in the Northern Sacramento Valley. California Botanical Society Graduate Student Meetings
- 32) **Brinkmann, I.**, and AL Edwards. 2017. Noxious Weed *Dittrichia graveolens* (Stinkwort) reduces biomass and species richness of other plants, but *Salvia* spp. may provide a mechanism for suppression. Northern California Botanists Symposium, Chico, CA.
- 33) **Brooke, CG**, DC Nelson, and EJ Fleming (2016) Searching for the source of salt marsh buried mercury. American Geophysical Union Conference. San Francisco, CA. December 12-16 2016.
- 34) **Steiner, KB, MO Brown, S, Martell**, B Tamietti, (2016) **Microbial Genetics Class** (BIOL 472), & E J Fleming (2017) Meddling with microbial tubes: sheath production by *Leptothrix cholodnii* SP-6. Southern California Geobiology Conference, University of Southern California, Los Angeles, CA, April, 8 2017.
- 35) **Moore, T.**, C.A. Hatfield, **A. Loeblich**, S. Mistry. Acoustic monitoring of bat diversity in northern California. 2017. Western Section of the Wildlife Society Annual Meeting. Reno, Nevada
- 36) Miller D.G. and C.A. Hatfield. The Importance of Natural Reserves in Conservation, Education and Research. 2017. This Way to Sustainability. CSU Chico.

- 37) Hatfield C. South Campus Neighborhood Urban Forest Inventory – a Picture of Diversity. 2017. This Way to Sustainability. CSU Chico.
- 38) Postma, J and C. Hatfield. A CSU Cooperative Minor in California Sustainability. 2017. This Way to Sustainability. CSU Chico.
- 39) Banet, A.I., Healy, S.J., Eliason E.J. and S.G. Hinch. Effects of maternal stress on juvenile Pacific salmon aerobic performance. Society of Experimental Biology (SEB) 2015 annual meeting.
- 40) Banet, A.I., **Kunkel, K.E.**, and S.G. Hinch. Maternal effects of stress: the influence of cortisol exposure and temperature on sockeye salmon embryos. Society of Integrative and Comparative Biology 2016 annual meeting.
- 41) Banet, A., and K. Kaczynski. Environmental stressors in aquatic and riparian ecosystems. This way to sustainability conference XI, 2016.
- 42) Banet, A.I., Hatfield, C.A., Kaczynski, K.M. and F. Alexander. Application-based service learning: Working across classes and departments to engage students in a City-University Partnership. CSU Chico College of Natural Sciences Poster Symposium 2016.
- 43) Blee, K.A. 2016. Adaptive learning implementation, outcomes and results from introductory biology. California State University Course Redesign with Technology Webinar host / presenter April 22.  
<https://docs.google.com/presentation/d/1mnmEM7ih9akAuWUqHS-o7qC6b7DYSRu5pcprXDa-SSU/edit?pref=2&pli=1#slide=id.p13>
- 44) **Brooke, Charles G.** and Emily J Fleming, (Student Presented Poster). Do biotic iron-oxyhydroxides mobilize mercury? Northern California American Society for Microbiology Spring meeting. Pleasanton, CA. March 4 & 5, 2016.
- 45) Teasdale R. and C. Hatfield. Integrate Sustainability at CSU Chico. This Way to Sustainability Conference XI. CSU Chico.. Chico, CA. April 2016
- 46) Alexander, F. and C. Hatfield. A Sense of Place. This Way to Sustainability Conference XI. CSU Chico, Chico CA. April 2016
- 47) Pushnik, J. and C. Hatfield. Navigating a Complex World: A Case for Resilience Education. This Way to Sustainability Conference XI. CSU Chico. Chico, CA April 2016
- 48) Millard, M., C. Hatfield, J. Pushnik. Developing a Robust Assessment Tool for Sustainability Education. Twelfth International Conference on Environmental, Cultural, Economic and Social Sustainability. January 2016. Portland OR
- 49) Pushnik, J. and C. Hatfield. Navigating a Complex World: A Case for Resilience Education. Twelfth International Conference on Environmental, Cultural, Economic and Social Sustainability. January 2016. Portland OR

- 50) Ivey CT Mating system phenology in *Mimulus*. Botanical Society of America, Edmonton, Alberta, 26-30 July 2015.
- 51) A double-negative feedback loop between microRNA-375 and CREM. **C. Gilio, A. Stanton**, and D.M. Keller. 28<sup>th</sup> Annual CSU Biotechnology Symposium, Anaheim, CA
- 52) Keller, D., Osher Lifelong Learning Institute at CSU Chico—General Meeting lecture—“The Other Social Network” March, 2016
- 53) **Cochran, H.J.**, Miller, D.G., Bogiatto, R.J., and Gray, K. Cavity-nesting bird habitat utilization in restored riparian woodlands of the Sacramento Valley. The Wildlife Society Western Section 2016 annual meeting, Pomona, CA Feb 23-26, 2016 .
- 54) Miller, D.G., Pike, K.S., Footitt, R. and Maw, E. Three novel *Tamalia* (Hemiptera, Aphididae, Tamaliinae) species associated with leaf galls on *Arbutus*, *Arctostaphylos*, and *Comarostaphylis* shrubs (Ericaceae) in North America. Entomological Society of America 63<sup>rd</sup> Annual Meeting, Minneapolis, MN. 2015
- 55) Stachura DL, **Campbell CA, Smith JS, Aggio J**, Traver D. 2015. Zebrafish caudal hematopoietic embryonic stromal trunk (CHEST) cells support hematopoietic stem and progenitor cell (HSPC) expansion. Session 9: Inflammation and Hemostasis Presentation. Zebrafish Disease Models 8, Boston, MA, August 27, 2015.
- 56) Cortes M, Chen MJ, Liu SY, Kwan W, Stachura DL, Schlaeger TM, Goessling W, Daley GQ, North TE. 2015. Vitamin D3 modulates vertebrate hematopoietic stem cell homeostasis. Session 7: Hematologic Diseases and Disorders Presentation. Zebrafish Disease Models 8, Boston, MA, August 26, 2015.
- 57) **Aggio J, Brown AJ, Wright F, Marquez G, Berrun A, Shah A**, Harris E, Stachura DL. 2016. Zebrafish Caudal Hematopoietic Embryonic Stromal Trunk (CHEST) Cells Support Hematopoietic Stem and Progenitor Cell (HSPC) Expansion. Poster Presentation. 28<sup>th</sup> Annual CSU Biotechnology Symposium, Anaheim, CA, January 8, 2016.
- 58) **Moore, T., C. Divoky, A. Loeblich**, S. Mistry and C. Hatfield. Acoustic Analysis of Bat Echolocation Calls: Species Diversity and Seasonal Migratory Patterns. College of Natural Sciences Poster Symposium and Department of Biological Science Poster Symposium
- 59) Acoustic Monitoring of Bat Diversity in Northern California  
**Trevor Moore, Aithne Loeblich**, Colleen Hatfield and Shahroukh Mistry  
2017 The Wildlife Society – Western Section Annual Meeting  
Reno, NV February 9th, 2017
- 60) **Irene Lona** - 2017 presented research poster, Landing rate of the walnut twig beetle, *Pityophthorus juglandis*, on two western North American walnut species, *Juglans californica* and *J. major* at The Wildlife Society-Western Section Annual Meeting, Reno, NV (with Donald G. Miller, Colleen Hatfield, Richard C. Rosecrance, and Steven J. Seybold)

- 61) **Badri Ghimire**, The Effect of Deer Browsing on Manzanita Leaf Gall Aphid (*Tamalia coweni*) Populations. Western Section of the Wildlife Society, 2017 Annual Meeting February 6-10, Reno, NV
- 62) **Candice Sawyer**; Raymond, J, Bogiatto; David, M, Keller; Donald, G, Miller. BROOD PARASITISM IN ANAS PLATYRHYNCHOS IN AGRICULTURAL NESTING SITES. Western Section meetings of the Wildlife Society in Reno in Feb.
- 63) **Jesse Smith**. Eden Graduate Student Finalist, 29th Annual CSU Biotechnology Symposium (Spring 2017) and 1st place, 31st Annual Student Research Competition (Spring 2017)
- 64) **Baylee Russell** 3rd place in the poster competition at the spring meeting of the Northern California American Society for Microbiology for her poster on the characterization of algal cell wall lipids.
- 65) **Elizabeth Bianchini** 2nd place in the poster competition at the spring meeting of the Northern California American Society for Microbiology for her poster titled "Isolation and characterization of avian influenza viruses in Northern California"
- 66) **Elizabeth Bianchini** will be presenting the same work this summer in Madison, Wisconsin at the national meeting of the American Society for Virology
- 67) **Donald Beck**, current student in the Cline lab will also present a poster in Madison titled Highly Pathogenic H5N1 Avian Influenza Virus Restricts Interferon- $\gamma$  Responses in Macrophages in a Replication-Dependent Manner
- 68) **Julian Aggio, Brown A, Wright F, Marquez G, Berrun A**, presented poster 'Zebrafish Caudal Hematopoietic Embryonic Stromal Trunk (CHEST) Cells Support Hematopoietic Stem and Progenitor Cell (HSPC) Expansion' at ion. 28<sup>th</sup> Annual CSU Biotechnology Symposium, Anaheim, CA.
- 69) **Candice Sawyer and Irene Lona** - presented research poster, 'Determining presence of *Lepidoptera* species of interest in regions of Butte County'
- 70) **Irene Lona** - presented 'The Walnut twig beetle and Thousand Cankers Disease' at the Center for Water and the Environment Student Showcase
- 71) **Gin Lawson** - presented at the 30<sup>th</sup> CSU Annual Statewide Student Research Competition
- 72) **Clara Buchholz** (MS) - presented research poster, 'The influence of population density on communal gall sharing and parasitism rates for the manzanita leaf-gall aphid, *Tamalia coweni*'. Entomological Society of America 63<sup>rd</sup> Annual Meeting, Minneapolis, MN. Also won 2<sup>nd</sup> place, 30<sup>th</sup> Annual CSU, Chico Student Research Competition
- 73) **Courtney Silver and Holly Cochran** (MS) - presented posters at the Western Section of the Wildlife Society Meetings in February down at Pomona.
- 74) **Charles Brook** (MS) - presented his research 'Mobilizing mercury with microbial rust' and won best poster prize at the Northern CA ASM meeting. He also represented

CSUC in the CSU system-wide student symposium with a talk 'Do biotic iron-oxyhydroxides mobilize mercury?'

75) **Holly Cochran** (MS) - presented research poster, 'Cavity-nesting bird habitat utilization in restored riparian woodlands of the Sacramento Valley', Western section of The Wildlife Society Annual Meeting, Pomona, CA. Also won 3<sup>rd</sup> place, 30<sup>th</sup> Annual CSU, Chico Student Research Competition

76) **Courtney Silver** (MS) - Presented at the "California Amphibian Population Task Force Meeting" in January; also at the Western Section Wildlife Society meeting, where she was awarded 3<sup>rd</sup> place in the student poster competition

**77) 29th Annual CSU, Chico Student Research Competition CSU Chico:**

Geometric Morphometric analysis of *Lynx rufus* to examine potential divergence of subpopulations due to geographic specialization. **Melissa Ann Sutton**

**78) 29th Annual CSU Student Research Competition, CSU San Bernadino:**

Impact of HSN I influenza virus replication on macrophage function" **Keerthana Sekar**

79) Deacetylation as a mechanism for repression of microRNA-375, a factor involved in Type 2 Diabetes" **Alexander Stanton**

**80) Reclaiming the Sierra Conference**

**Charles Brooke.** Western Section of the Wildlife Society Meetings in Santa Rosa

81) **Badri Ghmire.** 1-ophic Interactions among Deer, Manzanita, and Manzanita Leaf: gall Aphids in the Big Chico Creek Ecological Reserve near Chico, CA"

82) **Stevie Foster-** Sex ratios in Pintail Ducks. Entomological Society of America 62<sup>nd</sup> Annual Meeting, Porlland, OR

83) **Clara Buchholtz-** "Factors underlying the investment in *alats* vs. *apterous* morphs in the gall-dwelling aphid *Tamalia inquilinus*"

84) **Badri Ghimirc-** "Does Deer Browsing Affect *Tamalia* Galling Aphid Populations on Manzanita (*Arctostaphylos spp.*) Host Plants?"

85) **Julie Shaw**– 2nd place in student poster competition for "Winter ecology of the northern saw-whet owl (*Aegolius acadicus*) in the Sierra Nevada Foothills of California."

86) Cyclic-AMP and epigenetic regulation of microRNA-375. **Alexander Stanton, Pablo Diaz, Tyron Chang**, David M. Keller. 26th Annual CSU Biotechnology Symposium, Santa Clara, CA

87) Blee, K. Infusing courses with high impact practices: Report from a senior faculty FLC. 20<sup>th</sup> Annual CELT Conference, CSU, Chico, CA. **2014**

88) Cline, T. Invited seminar at Brigham Young University; January 8, **2015** Determinants of severe influenza virus disease: A macrophage perspective"

- 89) Fleming-Neuster, E. May 27, **2015**. An iron-oxidizing bacterium's tangled physiological tale.. UC Davis Department of Microbiology and Molecular Biology.
- 90) Hatfield, C. and J. Silveira. We are not there yet. What is missing from restoration efforts targeting rare species on the Sacramento River. Ecological Society of America Annual Meeting. Sacramento, CA July **2014**.
- 91) Rich, S., D. Johnson and C. Hatfield. Migration patterns of Flammulated Owls (*Psilosops flammeolusi*) using light-level geolocators. CSU Chico College of Natural Sciences Annual Poster Symposium and the CSU Chico Department of Biological Sciences Poster Symposium. Chico, CA May **2015**.
- 92) Ivey C.T., L. Dudley, A. Hove, S. Emms, and S.J. Mazer. A test for associations between outcrossing rate and photosynthetic rate within populations of two mixed-mating *Clarkia*. Ecological Society of America, Sacramento, California, 10-15 August **2014**.
- 93) Marcum, B., 2nd Annual California STEM Conference. How To Expand STEM Opportunities for All: An Elementary Start. B. Marcum and T. Heaston. September 22 and 23, 2014. San Diego Convention Center.
- 94) Marcum, B., Department of Education Math Science Partnership National Conference, Washington DC. Poster Presentation: A Model Demonstration Laboratory for Professional Development in Integrating STEM Practices for Grades K-6. September 30 - October 1, 2014. with Brian Lindaman
- 95) Marcum, B., The Keys to Success in NGSS Implementation II: Cross-Cutting Concepts and CCSS Alignment webinar, Feb 20, **2015**. Bev Marcum presenter.  
<http://www.wested.org/resources/next-generation-science-standards-ngss-implementation-ii/>
- 96) Marcum, B., 15th Annual Science Teaching Symposium, CSU, Chico, California Science Project. B. Marcum. Science and Engineering Practices in the NGSS. April 18, **2015**.
- 97) Miller III, D.G., Sarah Lawson, Heather Estby and Patrick Abbot **2014** Evolutionary ecology of the social parasite *Tamalia inquilinus* (Hemiptera: Aphididae) (). Entomological Society of America 62<sup>nd</sup> Annual Meeting, Portland, OR.
- 98) Miller III, D.G. and Hatfield, C.A. Ecological succession as evidenced by colonization of *Arctostaphylos* host plants by *Tamalia* galling aphids. **2014** Ecological Society of America 99<sup>th</sup> Annual Meeting, Sacramento, CA.
- 99) Pushnik, J. Advancing Climate Resiliency at CSU Chico. Invited presentation at Harris Manchester College Oxford England August 4 **2014**
- 100) Schierenbeck, K.A. Seeds...Just in Case. Gateway Science Museum, Chico, CA. April 2015
- 101) Stachura DL. **2014**. Utilizing the Zebrafish to Understand the Molecular Control of Blood Development. Seminar Presentation. California State University, Chico weekly Biology Seminar, Chico, CA, September 5, **2014**.

- 102) Stachura DL. **2014**. Zebrafish Clonal Assays Allow Careful Examination of Hematopoietic Regeneration. Session 1: Regeneration in Cells, Organs, and Appendages Presentation. American Society for Cell Biology Local Meeting: Stem Cell Biology in Regeneration- Mechanistic Insights from the Zebrafish, La Jolla, CA, November 7, **2014**.
- 103) Espin-Palazon R, Stachura D, Campbell C, Garcia-Moreno D, Del Cid N, Candel S, Meseguer J, Mulero V, Traver D. **2014**. Proinflammatory signaling is required for hematopoietic stem cell emergence. Session 7: Developmental Biology II **Presentation**. International Society for Experimental Hematology 43<sup>rd</sup> Annual Scientific Meeting, Montreal, Canada, August 22, **2014**.
- 104) Smith J. **2014**. Growth receptor bound protein-2 (GRB2) overexpression in myeloproliferative disorders. Seminar Presentation. California State University, Chico weekly Biology Seminar, Chico, CA, December 12, 2014
- 105)** Wolfe, GV. Systems biology analysis of biosynthesis of unusual neutral lipids with biofuel potential by the marine haptophyte alga *Emiliana huxleyi*. Algal Biomass, Biofuels & Bioproducts meeting, San Diego, CA, June **2015**
- 106) Jeffrey Bell, David Marcy, and Brian White, "Virtual Simulations, Labs and Online Courses." CSUPERB: Faculty Consensus Group (FCG) Meeting, Long Beach, CA. August 2013
- 107) Brunelli, R. "Effects of a Responsive Surrogate on Nursery-Reared Rhesus Macaques" CSUC Biological Sciences Seminar Series (2/21/14)
- 108) Troy Cline, Teddy Huerta, Pam Freiden, **Nicole Fugate**, Stacey Schultz-Cherry, "The induction and protective effect of interferon during human astrovirus infection." American Association of Immunologists Annual Meeting (Pittsburgh, PA), 2014
- 109) **Gage Alvernaz, Josh Ashford**, and Troy Cline, "The role of autophagy in restricting influenza virus replication in macrophages" Dept. of Biological Sciences and College of Natural Sciences Research Symposia, 2014
- 110) **Candice Larson** and Troy Cline, "Detection of norovirus and astrovirus in raw sewage by reverse transcription PCR" Dept. of Biological Sciences and College of Natural Sciences Research Symposia, 2014
- 111) Hatfield, C. and K. Peterson. "Conservation of Richvale Vernal Pools: a demonstration of collective efforts necessary to protect the rare vernal pool resource." Vernal Pools Conference 2014, Chico, CA. Invited Speaker
- 112) **Shaw**, J. and C. Hatfield. "Wintering ecology of the Northern Saw-Whet Owl (*Aegolius acadicus*) in the Sierra Nevada Foothills of California. Western Section of the Wildlife Society – Reno NV." January 29-31, 2014. 2<sup>nd</sup> place on Student Poster Competition
- 113) **Rich**, S., D. Johnson and C. Hatfield. "Migration patterns for Flammulated Owls (*Otus flammeolus*) from breeding locations using light-level geolocators." Western



Section of the Wildlife Society – Reno NV. January 29-31, 2014. First place in Student Presentation Competition

- 114) Garcia, D., J. Silveira, A. Henderson and C. Hatfield. "Rectifying the Sacramento River, California Bank Swallow (*Riparia riparia*) colony inventory database: 1986-2010." Middle Sacramento River Science Conference. Sponsored by The Nature Conservancy. June 2013.
- 115) **Whittaker**, A., C. Hatfield and V. Derugin. "Managing for the future: analyzing the effects of structural landscape composition on animal visitation on the Sacramento River corridor." Middle Sacramento River Science Conference. Sponsored by The Nature Conservancy. June 2013.
- 116) **Ha, M.K.** and C. T. Ivey. "Pollinator-mediated interactions between *Clarkia unguiculata* and its neighbors are context-dependent." Botanical Society of America, New Orleans, Louisiana, 27-31 July 2013.
- 117) Ivey C.T., **N. M. Habecker**, and **J. P. Bergmann**. "Reproductive isolation between *Mimulus guttatus* and *M. glaucescens*." Society for the Study of Evolution, Snowbird, Utah, 21-25 June 2013.
- 118) Ivey C.T. and **C. Silver**. Effects of methyl jasmonate and inbreeding on sex allocation in *Mimulus guttatus*. Society for the Study of Evolution, Snowbird, Utah, 21-25 June 2013.
- 119) Ivey C.T., **L. Dudley**, **A. Hove**, S. Emms, and S.J. Mazer. Are photosynthetic rates and outcrossing rates associated within populations? A text using two mixed-mating *Clarkia* taxa. Society for the Study of Evolution, Snowbird, Utah, 21-25 June 2013
- 120) **Stanton, P. Diaz, T. Chang**, and D.M. Keller. "Cyclic-AMP and epigenetic regulation of microRNA-375." 26<sup>th</sup> Annual CSU Biotechnology Symposium, Santa Clara, CA. 2014
- 121) **Stanton** and D.M. Keller. "Cyclic-AMP stimulated chromatin remodeling involved in microRNA-375 repression." 18<sup>th</sup> Annual Department of Biological Sciences Poster Symposium, CSU Chico. 2014
- 122) Marcum and T. Heaston. "Preparing Tomorrow's Teachers in a Campus-Based Hands on Lab at California State University, Chico." STEM at the CSU - New Vision Conference at CSU, East Bay: Preparing STEM Teachers in the CSU. October 29, 2013
- 123) Marcum and T. Heaston, "Enhancing Self-Efficacy in Science Teaching with a University-based Laboratory Course" 1st Annual California STEM Conference. *Invest in California STEM Education: Innovate, Integrate, and Inspire!* Sacramento Convention Center, November 18 and 19, 2013
- 124) B. Marcum and M.C. Simani. "Doing Science the Scientific Way: It's Not as Hard as it Sounds." National Science Teachers Association, National Conference, Boston, April 2-6, 2014.

- 125) B. Marcum. "Getting Ready for the Next Generation Science Standards." 14th Annual Science Teaching Symposium, CSU, Chico, organized for the California Science Project. Keynote speaker, 2014
- 126) Pushnik, J. "In Front of the Mirror: Assessing Sustainability Education." Association for Advancement of Sustainability In Higher Education (AASHE) . Nashville Tennessee Oct.3, 2013
- 127) **Chang, T.** and Miller, D. G. "Temporal separation of galls on valley oaks (*Quercus lobata*) by the gall-inducers, California Gallwasps (*Andricus quercuscalifornicus*)." Northern California Botanists Sixth Symposium, January 2014.
- 128) Miller, D. G., **Estby, H.**, and Abbot, P. "The origin and sequential radiation of the social parasite *Tamalia inquilinus* (Hemiptera: Aphididae)." Entomological Society of America 61<sup>st</sup> Annual Meeting, Austin, TX. November 2013.
- 129) Schierenbeck, K.A. "Evolution of the Plants and Animals of California." Gateway Science Museum, Chico, CA. April 2014
- 130) Schierenbeck, K.A. "Evolution of California's plant landscapes." California Native Plant Society, Chico, CA . Dec. 2013
- 131) Schierenbeck, K.A. "Phylogeography of California." Southern California Botanists. Pomona College, Claremont, CA. Oct. 2013
- 132) Schierenbeck, K.A. "Preparing for retention, tenure and promotion." CELT presentation. Dec. 2014.
- 133) Wolfe, G.V. and A. Jose. "RNA-seq Analysis the Haptophyte *Emiliania huxleyi* Reveals Novel Oleosin-like Proteins Related to Production of Neutral Lipids for Biofuels". DOE-JGI user meeting, Walnut Creek, CA, March 2014.
- 134) **Park, C., S. Sherrie,** and G.V. Wolfe. "A novel set of fibrillin-like proteins identified from RNA-seq analysis of *Emiliania huxleyi*". CSUC CNS poster symposium, May 2014
- 135) **Cobb, S.** and G.V. Wolfe. Bioinformatic analysis of possible amino acid receptors and transporters in ciliates. CSUC CNS poster symposium, May 2014.

***The following posters were all presented at the College of Natural Sciences 10<sup>th</sup> Annual Poster Session, May 7, 2014:***

- 136) Neuronal spine densities in the aging rat hippocampus: responses to lesion. **Frans Honig,** Jonathan R. Day
- 137) Detection of Norovirus and Astrovirus by Reverse Transcription PCR. **Candice Larson,** Troy Cline
- 138) The role of autophagy in restricting influenza virus replication in macrophages. **Gage Alvernaz, Josh Ashford,** Troy Cline

- 139) A novel set of fibrillin-like proteins identified from RNA-seq analysis of *Emiliana huxleyi*. **Charlotte Park, Sisarie Sherry**, Gordon Wolfe
- 140) Cyclic-AMP and epigenetic regulation of microRNA-375. **Alexander Stanton, Pablo Diaz, Tyron Chang**, David M. Keller
- 141) Trophic Relationships Among Deer, Manzanita and Manzanita Leaf-gall Aphids in the Big Chico Creek Ecological Reserve, Chico, California. **Badri Ghimire**
- 142) Bioinformatic analysis of possible amino acid receptors and transporters in ciliates. **Sean Cobb**, Gordon Wolfe
- 143) The Influence of Behavioral Thermoregulation on Basking Site Selection in the Western Fence Lizard, *Sceloporus occidentalis*. **Chadwick McCready, Ethan Snee**
- 144) Size dimorphism in Western Gray Squirrels. **Melissa A. Sutton**

**28th Annual CSU, Chico Student Research Competition**

- 145) Investigating Hot Springs Fungi for Application to Biofuels Production. **Bryan M. Ervin**
- 146) The Effects of Overexpression of Class III Peroxidases in *Arabidopsis thaliana*. **Julie Lengerich & Dennis Ho**
- 147) Migration Patterns of Flammulated Owls (*Psiloscops flammeolus*) from Four Breeding Locations Using Light-Level Geolocators. **Shannon Rich**
- 148) Understanding Genetic Regulation of a Factor in Type 2 Diabetes, MicroRNA-375. **Alexander Stanton**
- 149) Assessment of Sexual Dimorphism in Western Grey Squirrels (*Sciurus griseus*). **Melissa Sutton**
- 150) Assessment of a Non-Invasive Technique to Identify Individual Lizards. **Catherine Yasuda**
- 151) 28<sup>th</sup> Annual CSU Student Research Competition, CSU East Bay
- 152) Investigating Hot Springs Fungi for Application to Biofuels Production. **Bryan M. Ervin**
- 153) Assessment of a Non-Invasive Technique to Identify Individual Lizards. **Catherine Yasuda**

**Western Section of the Wildlife Society Meetings in Reno**

- 154) **Shannon Rich**– 1st place in student presentation competition for “Migration Patterns of Flammulated owls (*Otus flammeolus*) from Four Breeding Locations Using Light-Level Geolocators.”
- 155) **Catherine Yasuda**–3<sup>rd</sup> place in student presentation competition for “Photographic analysis of scale-intersection pattern as a means of individual identification of alligator lizards (*Elgaria* spp.)”

**January 2013 25<sup>th</sup> CSUPERB Annual Symposium at Anaheim, CA**

- 156) **Dustin Rollins, Melissa Martinez, Alexander Stanton, Rhiannon Guzman, Samantha Steadman** and David Keller – “Regulation of microRNA-375 by inducible cAMP early repressor in pancreatic beta cells.”
- 157) **Matt Rogers** – Utilizing a species distribution model to identify potential habitat for the yellow-billed cuckoo along the Sacramento River and surrounding drainages. *Western Section of the Wildlife Society – Sacramento CA.; January 29-Feb 4.*
- 158) **Julie Shaw (1<sup>st</sup> Place)** – Characterizing migration patterns, winter habitat and diet of Northern Saw-Whet Owl (*Aegolius acadicus*) in the Sierra Nevada Foothills of California
- 159) **Shannon Rich (3<sup>rd</sup> place)** – Migration patterns for Flammulated Owls (*Otus flammeolus*) from breeding locations in Washing, Utah, Colorado and California using light-level geolocators
- The following posters were presented at the College of Natural Sciences 9<sup>th</sup> Annual Poster Session, May 3, 2013:**
- 160) **Liwenzhu Yao**, People's choice award winner, "Stop mir-425, save diabetes patients."
- 161) **Julie Shaw** - Characterizing winter ecology of Northern Saw-Whet Owls (*Aegolius acadicus*) in the Sierra Nevada Foothills of California
- 162) **Matt Rogers** – Utilizing a species distribution model to identify potential habitat for the yellow-billed cuckoo along the Sacramento River and surrounding drainages.
- 163) **Rachel Francis** - Ecological trajectory of a restored Sierra Nevada montane meadow
- 164) **Shannon Rich** - Migration patterns for Flammulated Owls (*Otus flammeolus*) using light-level geolocators
- 165) **Erin Gottshalk-Fisher** – Road to Recovery: Introduction of two rare vernal pool grasses: *Neostapfia colusanna* (Colusa Grass) and *Tuctoria greenei* (Greene's Tuctoria)
- 166) **Dawn Garcia**, Colleen Hatfield, Joseph Silveira – Six months as a data domestique: Rectifying the Sacramento River, California Bank Swallow (*Riparia riparia*) Colony Inventory database: 1986-2010
- 167) Donald G. Miller, Colleen A. Hatfield, **Rebecca M. Holden** – Colonization of *Arctostaphylos* host plants by *Tamalia* galling aphids during succession following wildfire
- 168) **Abigail R. Whittaker**, Colleen Hatfield, Vasilissa Derugin – Managing for the Future: Analyzing the Effects of Structural Landscape Composition on Animal Visitation in the Sacramento River Corridor
- 169) Jonathan R. Day, **Frans Honig** – Neuronal spine densities in the aging rat hippocampus: responses to lesion.

- 170) **Jeff D. Mabry** – Support for the Accumulated degree-day hypothesis for decomposition on exposed carrion in the California Central Valley using *Sus scrofa*
- 171) **Bryan Ervin**, Gordon V. Wolfe – Hot springs fungi and lignocellulose degradation
- 172) **Alexander Stanton, Melissa Martinez**, David M. Keller – Regulation of microRNA-375 by inducible cAMP early repressor in pancreatic beta cells
- 173) **Dylan A. Carroll**, Devin S. McBain – Investigation of the Biological Activity of Thio- and Oxo-Salens
- 174) **Melissa Clark** – Demographic Dependent Fall Migration Patterns of Northern Saw-Whet Owls in Chico, California
- 175) **Blake Brousseau, Nicole Fugate, Jeremy Hoptowit, Michelle Grek, Gem Larson, Coral Maier, Andrew Rich, Lindsey Richardson, Ashli Robertson, Alexander Stanton, Maria Vargas, Sonia Vasquez, Mackenzie Whipple** – Characterization of Bacteriophages Isolated from Sewage and Compost
- 176) **Breanna Roberts** – Effects of Prescribed Burns on Soil Nutrients and Properties of Northern California Oak Woodland
- 177) **Elizabeth McElroy** – Foothill Yellow-legged Frog Population Report for Humbug Creek, Hiller Tunnel, and Diggins Ponds: Visual Encounter and Habitat Assessment Surveys of Foothill Yellow-legged Frogs (*Rana boylei*)
- 178) **Nathan Giordano, Remy Noll, Heather Quigley** – Effect of exendin-4 and glucose on GLP-1 receptor internalization.

**27th Annual CSU, Chico Student Research Competition:**

- 179) **Erin E. Gottschalk Fisher, Botany (MS)**. “Evaluating the Potential for Introduction and Restoration of Two Rare Vernal Pool Grasses, Colusa Grass and Greene's *Tuctoria*.”
- 180) Northern California Botanists Symposium, January 2013, CSU Chico
- 181) **Erin E. Gottschalk Fisher, Botany (MS)**. “Evaluating Introduction and Restoration of Two Rare Vernal Pool Grasses, Colusa Grass and Greene's *Tuctoria*.”
- 182) **Rachel Francis** – Ecological trajectory of a restored Sierra Nevada montane meadow

**California Botanical Society Centennial Symposium – UC Berkeley, Berkeley, CA. April 2013:**

- 183) **Erin Gotshalk-Fisher** – Road to Recovery: Introduction of two rare vernal pool grasses: *Neostapfia colusanna* (Colusa Grass) and *Tuctoria greenei* (Greene's *Tuctoria*)
- 184) **Rachel Francis** – Ecological trajectory of a restored Sierra Nevada montane meadow

**Middle Sacramento River Science Conference – June 2013:**

- 185) **Matt Rogers** – Utilizing a species distribution model to identify potential habitat for yellow-billed cuckoo along the Sacramento River
- 186) **100<sup>th</sup> Anniversary Meeting of the California Botanical Society:**  
**Evan Padgett, Jason Mills, Gina Sideli, Ayla Mills (best proposed research)**
- California/Nevada Amphibian Population Task Force 2013 Meeting:**
- 187) **Ninette Daniele, Mike Castillo**, Jada White, Tag Engstrom – Health Assessments of Western Pond Turtles from Two Northern California Populations
- 188) **Ninette Daniele**, Jada White – Hands-on, Minds-on” 3rd Grade Teaching Module: Life History and Population Ecology of Turtles
- 189) Michael Marchetti, Tag Engstrom Examining The Paradox of Invasive Endangered Species Conservation. Workshop Society for Conservation Biology. Oakland CA, July 17 2012
- 190) D. Fairbanks, A. Chaudry, K. Gray, C. Hatfield, E. Houk. Co-creating Understanding in Water Use & Agricultural Resilience in a Multi-scale Natural-human System: Sacramento River Valley—California’s Water Heartland in Transition. American Geophysical Union. San Francisco, CA. December 2012
- 191) D. Miller, C. Hatfield and **R. Holden**. Colonization of host plants by *Tamalia* galling aphids during succession following wildfire. Entomological Society of America. Knoxville, TN Nov 2012
- 192) Utilizing a species distribution model to identify potential habitat for the yellow-billed cuckoo along the Sacramento River and surrounding drainages (Don Miller with **Matt Rogers**, Colleen Hatfield, Jay Bogiatto, Joe Silveira and Chrissy Howell). The Wildlife Society Western Section 2013 Annual Meeting, Sacramento, CA Jan 30-Feb 1.
- 193) D. Miller, C. Hatfield and **R. Holden**. Colonization of host plants by *Tamalia* galling aphids during succession following wildfire (talk) Northern California Botanical Conference
- 194) **Gottschalk Fisher, E.E.**, Silveira, J.G., Griggs, F.T., and Hatfield, C.A. Evaluating Introduction and Restoration for Two Rare Vernal Pool Grasses, *Neostapfia colusana* (Colusa Grass) and *Tuctoria greenei* (Greene’s Tuctoria) **Erin Invited Speaker** Northern California Botanical Conference
- 195) **Francis, R.**, and C. Hatfield. Assessing Ecological Integrity of Montane Sierra Nevada Meadows across a Disturbance Gradient. (Poster) Northern California Botanical Conference
- 196) **Rogers, M.** and C. Hatfield – Utilizing a species distribution model to identify potential habitat for the yellow-billed cuckoo along the Sacramento River and surrounding drainages. (Poster) Western Section of the Wildlife Society – Sacramento, CA. January 2013
- 197) **Shaw, J. J.** Bogiatto and C. Hatfield – Characterizing migration patterns, winter habitat and diet of Northern Saw-Whet Owl (*Aegolius acadicus*) in the Sierra Nevada

Foothills of California (Poster) Western Section of the Wildlife Society – Sacramento, CA. January 2013

- 198) **Rich, S.**, D. Johnson and C. Hatfield – Migration patterns for Flammulated Owls (*Otus flammeolus*) from breeding locations in Washing, Utah, Colorado and California using light-level geolocators (Poster) Western Section of the Wildlife Society – Sacramento, CA. January 2013
- 199) **Gottschalk-Fisher, E.** Jo Silveira, T. Griggs and C. Hatfield. Road to Recovery: Introduction of two rare vernal pool grasses: *Neostapfia colusana* (Colusa Grass) and *Tuctoria greenei* (Greene's Tuctoria). California Botanical Society Centennial Meeting. Berkeley, CA. April 2013
- 200) **Francis, R.** and C. Hatfield. Ecological trajectory of a restored Sierra Nevada montane meadow. California Botanical Society Centennial Meeting. Berkeley, CA. April 2013
- 201) **J. Mills**, K. Schierenbeck, and D. Hankins. Reestablishing the competitive hierarchy in an invaded California grassland through the process of habitat restoration following the prescribed burn of *Centaurea solstitialis* California Botanical Society Centennial Meeting. Berkeley, CA. April 2013
- 202) **Mills** and K. Schierenbeck. Evaluating the effects of mechanical and manual removal of *Ammophila arenaria* within coastal dunes of Humboldt County, California. California Botanical Society Centennial Meeting. Berkeley, CA. April 2013
- 203) **E. Padgett** and K. Schierenbeck. Historical and contemporary gene flow between a cultivated hybrid and native *Platanus* species along the northern Sacramento River, California. California Botanical Society Centennial Meeting. Berkeley, CA. April 2013
- 204) **G. Sideli**, K. Schierenbeck, and D. VanTassel. Evaluation of interspecific hybrids between wild perennial sunflower and domesticated sunflower for crop use with limited irrigation. California Botanical Society Centennial Meeting. Berkeley, CA. April 2013
- 205) Creating Cohesion in a General Education Sustainability Pathway. Pushnik, J.C. (2012) American Association for Sustainability in Higher Education Conference. Los Angeles CA.
- 206) Climate Science: What Practitioners should know: A survey of Americans changing perspectives. Pushnik, J.C. (2012) California Higher Education Sustainability Conference. Davis CA

3) **Accepted into graduate or professional training programs (31 total)**

- 1) **Malory Brown**, Ph.D. program at Stanford University

- 2) **Ana-Lucia Barragan Trejo** will be attending medical in the fall at UC Davis, offered a \$100,000 dollar scholarship to fund her education
- 3) **Elizabeth Bianchini** will be staying at Chico State to do a Master's on avian influenza viruses
- 4) **He-Lo Ramirez** received a Nor CAL PRIE grant (<http://www.csuchico.edu/soe/prie/>) which is a program to support teacher training for Native Americans interested in teaching other Native Americans – they are especially interested in STEM disciplines
- 5) **Anja Brown** (Fall 2015 graduate) was accepted into a PhD program at Cedars Sinai (Program in Biomedical Science and Translational Medicine) in LA
- 6) **James Darden** - Yale University accelerated nurse practitioner program
- 7) **Kurt Hennigan** – CLS program at Vanderbilt Univ., Nashville, TN
- 8) **Megan Jace** - CLS program at Baptist Medical Center in Montgomery, AL
- 9) **Payton Laurie** (Spring 2015 graduate) will join the Stachura lab to complete his MS.
- 10) **Jillian McCool** is doing an internship at Lawrence Livermore National Lab this coming
- 11) **Alexa Woodward** - accepted to Columbia University MS program in Bioethics
- 12) **Ashley Young** - optometry school in Oregon
- 13) **Alexander Stanton** Tufts University Biomedical Sciences Ph.D. Program
- 14) **Gage Alvernaz** Alabama College Of Osteopathic Medicine
- 15) **Guzman, Rhiannon** Minn-Minneapolis (Md)
- 16) **Frost, Mackenzi** USF Health Morsani College Of Medicine (Md)
- 17) **Babo, Kara** Cincinnati (Md)
- 18) **Anderson-Terhune, Dustin** Florida, Combined Medical Degree/Graduate (Md/Phd)
- 19) **Arturo Berrun**- accepted to Master's program in Biology, Chico
- 20) **Candice Sawyer**- accepted to Master's program in Biology, Chico
- 21) **Pablo Diaz**– accepted to Master's program in Biology, graduated 2017 Chico
- 22) **Holly Cochran**– accepted to Master's program in Biology, Chico
- 23) **Julie Lengerich**– accepted to Master's program in Biology, Chico
- 24) **Courtney Silver**– accepted to Master's program in Biology, graduated 2017 Chico



- 25) **Samantha Steadman** – Campbell University Pharmacy School, Buies Creek, NC
- 26) **Melissa Martinez**– Ph.D. program in Cancer Biology at the University of South Florida, Tampa, FL
- 27) **Adam Wagner**– Pacific University of Oregon School of Pharmacy
- 28) **Areeje Almasary** – PhD program in Microbiology, UC Riverside
- 29) **Molly Thompson**– MS program Virginia Tech
- 30) **Leah Jacobs**– MS program Cal State Northridge
- 31) **Sara Luse**– MS program University of Cincinnati

4) **Accepted into summer research programs or internships (12 total)**

- 1) **He-Lo Ramirez** was recruited for an internship by the Mechoopda Chico Rancheria Environmental Office of Planning and Protection. The project will involve riparian restoration along Clear Creek, including management of invasive species.
- 2) **Alicia Flores** was accepted into a Microbiology REU program at The University of Tennessee for summer 2017
- 3) **Baylee Russell** – REU program at Portland State Univ.
- 4) **Malory Brown** – REU program at Georgia Tech
- 5) **Matt Clark** - REU program at Konza Prairie Long Term Ecological Site in Kansas
- 6) **Moriah Edwards** - Michigan Health Sciences Undergraduate Research Academ
- 7) **Alan Mata** - summer internship Position with the USGS and UC Davis studying ring-necked pheasant population declines
- 8) **Sarah Santich** - Internship at UC Santa Cruz Marine Mammal Center
- 9) **Luke Urlie** - working with CalFire for the summer
- 10) **Erica Luke** - working on the urban forest element of the South Campus Neighborhood Assessment Project – a collaboration between the Institute for Sustainable Development and the city.
- 11) **Aithne Loeblich** - working on the on-going bat monitoring project at BCCER and the University Farm
- 12) **Shannon Rich** - working with the Cal Fish and Wildlife at the Upper Butte Basin Wildlife Area

5) **Offered professional positions (12 total)**

- 1) Graduating Senior **Carson Odegard** will be starting a full-time position with the California Waterfowl Association in Northern California
- 2) **Kathryn Hughes**, one of our fall 2016 EEO graduates, will be working as a Wildlife Technician for Delta Waterfowl in the Bakken Formation of North Dakota to determine the effects of oil and gas development on Waterfowl nesting ecology.
- 3) **Natalie O'Connor** - will work as Field Research Assistant for the BLM (Bureau of Land Management) working on northern Spotted Owl population surveys in southern OR
- 4) **Shannon Rich (MS)** - will begin her 2nd field season working for the California Department of Fish and Wildlife at the Upper Butte Basin Wildlife Area
- 5) **Courtney Silver (MS)** - invited to join the "Cresta Foothill Yellow-legged Frog Technical
- 6) **Cody Gilio** - Research assistant at Monsanto, Inc., Woodland, CA.
- 7) **Tryon Chang** Research Assistant, UT Southwestern Medical School
- 8) **Amanda Sloan** Enloe Hospital, CLS Intern
- 9) **Gina Sidcli** Genetics Technician At Cold Spring Harbor, NY
- 10) **Raj Bola** BioClinica, Newark CA
- 11) **Shannon Rich** Scientific Aid California Department of Fish and Wildlife
- 12) **Matt Rogers** Scientific A

6) **Awards and Grants (67 total)**

- 1) NSF Major Research Instrumentation (MRI): Acquisition of a fluorescence-activated cell sorter (FACS) to enhance high-impact learning 8/1/16-7/31/17 Funded \$544,343  
Principal Investigator: David Stachura, Ph.D. Co-PIs are Gordon Wolfe, David Keller, Troy Cline,Carolynn Arpin [Chemistry], and Senior Personnel Elena Harris [Computer Science])
- 2) Research, Scholarly, and Creative Activities (RSCA): Encouraging Vertebrate Blood Cell Development. 6/1/16-12/31/16. Funded \$5,252. Principal Investigator: David Stachura, Ph.D. California State University, Chico, Chico, CA. Role: Full-time Investigator
- 3) College of Natural Sciences Grant Stimulus Program (GSP), 2016. 6/1/16-12/31/16 Funded \$5,000. Principal Investigator: David Stachura, Ph.D. California State University, Chico, Chico, CA Role: Full-time Investigator

- 4) Molecular Control of the Vertebrate Hematopoietic Niche: California State University Program for Education and Research in Biotechnology (CSUPERB) Faculty-student collaborative research: New investigator grant program. 6/1/16-12/31/17. Funded \$15,000. Principal Investigator: David Stachura, Ph.D. California State University, Chico, Chico, CA. Role: Full-time Investigator
- 5) Research, Scholarly, and Creative Activities (RSCA): Genetic regulation of the hematopoietic niche. 6/1/17-12/31/17. Funded \$5,986. Principal Investigator: David Stachura, Ph.D. California State University, Chico, Chico, CA. Role: Full-time Investigator
- 6) NIH-Academic Research Enhancement Award (AREA)-R15. PI: Keller. 09/19/2016 – 08/31/2019 Funded \$353,750. A primate-specific double-negative feedback loop between microRNA-375 and CREM
- 7) CSU Chancellor's Office Grant. Proven Course Redesign—Genetics. Funded \$8864. PI: Keller. 7/1/16-6/30/17
- 8) Banet, A.I., The influence of incubation temperature on aerobic swimming performance of juvenile salmonids. California Institute of Water Resources, Funded \$24,654.
- 9) Banet, A.I., "Tehama County Side Channel Restoration to Benefit Endangered Winter Run Chinook Salmon", US Bureau of Reclamation Contract, \$18,548,278 (Amount devoted to Banet Lab: \$512,371), Non-competitive contract in negotiation
- 10) R. Teasdale and C. Hatfield, 2015-2017, Science Education Resource Center at Carlton College. InTeGrate Implementation Program: "InTeGrate Sustainability" Co\_PI \$49,939
- 11) Consortium of California Herbaria Collaborative Proposal (Hatfield) 2010-2016. Funded \$49,517. National Science Foundation. Harnessing the power of herbaria to understand the changing flora of California: A biodiversity hotspot in peril.
- 12) David Stachura, Molecular Control of the Vertebrate Hematopoietic Niche, California State University Program for Education and Research in Biotechnology (CSUPERB) Faculty-student collaborative research: New investigator grant program, 6/1/16-12/31/17, Funded \$15,000.
- 13) R. Shapiro, G.V. Wolfe, E. Fleming, J. Neuster, CSUC, co-PIs A Scanning Electron Microscope with Energy Dispersive Spectrometry for a Collaborative Research in Geobiology. NSF MRI. Funded \$194,942.
- 14) California State University, Research, Scholarly, and Creative Activities. Funded \$5999.40 Exploring patterns of herbivory resistance and phenolic chemistry in Valley Oak (*Quercus lobata*) PI C. Ivey
- 15) **Dylan Stompe** (advisor: M. Banet) was awarded a \$12,000 scholarship from the Northern California Water Association that funds his thesis work "Sacramento River predation rates among native and non-native predatory species".

- 16) Grant for Exceptional Level of Service for Lecturers – used for release time to plan and implement the Department of Biological Sciences Career Fair. PI: R. Brunelli
- 17) CSUPERB New Investigator (NI) Grant. How do they do it? Fe-oxidizing bacteria as low temperature nanotechnologists. Funded \$15000. PI: E. Fleming
- 18) Don G. Miller was selected as a Lantis Endowed University Chair. He will receive \$40,000 to advance his research and/or student-centered project.
- 19) **Cody Rice and Mitchell Bamford** each received funding from both the California Native Plant Society and the Northern California Botanists for a total of \$3,000 (\$1500 each; advisor: K. Schierenbeck).
- 20) US Bureau of Reclamation Contract. Amanda I. Banet, Collaborator. River Reconnections – Restoring Historic Side Channels to Benefit Sacramento River Salmonids. \$16,950,834 total, of which \$373,079 is devoted exclusively to the Banet Lab.
- 21) California Institute of Water Resources Grant. PI: Amanda I. Banet. The influence of incubation temperature on aerobic swimming performance of juvenile salmonids. Funded \$24,654.
- 22) California State University Program for Education and Research in Biotechnology (CSUPERB) Spring 2017 competition. “How do they do it? Fe-oxidizing bacteria as low temperature nanotechnologists” PI: E. Fleming. Funded \$15,000.
- 23) Student Learning Fee (SLF), Centrifugation; a crucial step in modern biology. School year 2016-2017; total requested Sorvall ST16 and appropriate rotors-\$5,025, Tax-\$402, Sorvall Legend XF/XRF model centrifuge and appropriate rotors-\$13,160, Tax-\$987. Total cost-\$19,574. PI: E. Fleming w/ Dr. Kris Blee.
- 24) CSU Council on Ocean Affairs, Science, and Technology, awarded to **undergraduate Linda Drobotz** (Research Advisor: Amanda Banet). The effects of incubation temperature on salmonid egg and alevin survival and growth. Funded \$1,200.
- 25) CSUC Student Research and Creativity Summer Award, awarded to **undergraduate Drew Nielsen** (Research Advisor: Amanda Banet). Effects of Temperature on Digestion Rates and Gastric Evacuation Time in Striped Bass, *Morone saxatilis*. Funded \$2500.
- 26) Dempsey Field Research Award, awarded to **undergraduate Andrew Overton** (Research Advisor: Amanda Banet). Investigating *Scarabaeidae* Beetle Selectivity Among Native, Introduced and Exotic Mammal Dung at the Big Chico Creek Ecological Reserve. \$2000.
- 27) K Blee. 2014. Biology Teaching Microscope Replacements. CSU Chico Student Learning Fee Proposal. Funded for 2015-2016 at \$13,476.
- 28) K Blee. 2015. Reducing bottlenecks using proven course redesign strategies. CSU Chancellor’s Office eAcademy Grant. Funded \$23,596.

- 29) Brunelli, R. and Whitlock, D. 2015 CELT Learning Enhancement Grant for Continued Improvement of BIOL 102 Funded \$5,000
- 30) Cline, T. Funded \$5,000 RSCA for Fall 2015; Avian influenza virus surveillance in the Pacific Flyway –
- 31) Dubie, R. Funded \$7,344 CSUC Research Foundation Project #69949. Sponsored Research.
- 32) Dubie, R. Funded \$10,000 CSUC Research Foundation/Alumni Funded Project #06274
- 33) Fleming-Neuster, E. CSU Chico, Internal Research Grants. Research, Scholarship, and Creative Activity. (Spring 2015 competition). A simple detection method to determine mercury bioavailability. Funded \$5,000.
- 34) R. Teasdale and C. Hatfield, InTeGrate Sustainability: Incorporating InTeGrate curriculum in the Sustainability GE Pathway at California State University, Chico. Science Education Resource Center (SERC), Carleton College. Funded \$50,000. Will involve a total of eight faculty working within the GE Sustainability Pathway to build curriculum that bridges different classes within the pathway.
- 35) Fletcher and C. Hatfield. Sense of Place II. Campus as a Living Lab (CALL) CSU System Program. Funded \$24,100. Project adds an additional six buildings to the existing four buildings that are part of the energy management tool that can inform campus energy operations and integrate into the sustainability curriculum.
- 36) Ivey C.T. California State University, Chico, CELT, Faculty Learning Community, Funded \$500. Write an article in twelve weeks.
- 37) Brian Lindaman PI; Bev Marcum Co-PI California Math Science Partnership - Cohort 10 - iSTEM Project - (integrated STEM K-6 ) Funded \$1,500,000 CDE-Fed pass through (CSU, Chico subcontract from Butte County Office of Education)? 1/1/14-6/30/17
- 38) Bev Marcum CA Department of Water Resources - Floodplain Ecology of the Sacramento River. DWR-State, Funded \$10,895 1/1/15-6/30/16
- 39) Bev Marcum California Science Project - Inland Northern 2014-2017 Teacher Leadership for the Next Generation - State Funding from California Subject Matter Projects (CSMP) from the University of California Office of the President. Funded \$21,000. First year of three year cycle: July 1, 2014 - June 30, 2015
- 40) Bev Marcum California Science Project - Inland Northern 2014-2017 Teacher Leadership for the Next Generation - Federal Funding (NCLB) Funding for California Subject Matter Projects (CSMP) from the University of California Office of the President. Funded: \$41,000 First year of three year cycle: July 1, 2014 - June 30, 2015
- 41) Bev Marcum California Science Project - Inland Northern 2014-2017 Proposal: Teacher Leadership for the Next Generation - Federal Funding (NCLB) Funding for California Subject Matter Projects (CSMP) from the University of California Office of the President. Submitted Application for Continued Funding Pending: \$41,000 Second year of three year cycle: July 1, 2015 - June 30, 2016

- 42) Bev Marcum California Math Science Partnership - Cohort 11 - Science and Environmental Engineering for Secondary Teachers Project - (SEES) Funded: Anne Stephens - PI; Bev Marcum - Co-PI CDE-Fed pass-through (CSU, Chico subcontract from Tehama County Department of Education) Funded \$1,800,000 1/1/15-6/30/18
- 43) Pushnik, J. Vertical Integration of Liberal Arts into Engineering Education: Planning Grant. Coauthored with CSUN, CSULA and Cal Poly Pomona. Teagle Foundation Funded \$25,000 May 2015
- 44) Cline, T. "Mechanism and functional impact of H5N1 influenza virus replication in macrophages" CSU Chico Faculty Development Grant, Funded \$5,000. October 2013.
- 45) Cline, T. "Mechanism and functional impact of H5N1 influenza virus replication in macrophages" CSUPERB; New Investigator Grant Program, Funded \$15,000 February 2014
- 46) Ivey, C. T. "Redesign of BIOL 152 to increase student access." CSU Proven Practices Course Redesign eAcademy Phase 2. Funded \$6,628 Spring 2014.
- 47) Miller, D. G., CSU, "Ecology and Origins of Social Parasitism in Tamalia Galling Aphids." Chico Research Foundation. 2014. Funded \$1784.
- 48) Pushnik, J., R. Teasdale & Brandi Aranguren "California Regional Environmental Education Community. Region 2 Coordinator Position" Funded \$39,850 (renewal) California Department of Education. 2013.
- 49) Pushnik, J., Brown, D., "Campus as a Living Laboratory: A Study of Place." Funded \$29,200. Office of the Chancellor California State University. 2013.
- 50) **Arturo Berrun**. 2<sup>nd</sup> place, 31<sup>st</sup> Annual Student Research Competition (Spring 2017).
- 51) **Jose Gonzales**. Accepted to UC Davis Post Bacc for Medicine.
- 52) **Hannah Metzger**. Student Award for Research and Creativity (\$1,696, spring 2017)
- 53) **Nick Balfour** - \$2500 Scholarship to attend a Fish Swimming Physiology Course at Friday Harbor Laboratories
- 54) **Linda Drobatz** - \$1250 Research Award from the Council on Ocean Affairs, Sciences, & Technology (COAST)
- 55) **Drew Nielsen** - \$2500 Student Research and Creativity Award
- 56) **Stephanie Parker** - 2017 Graduate Studies Academic and Performance Scholarship \$1000
- 57) **Sarah Eggert** -\$500
- 58) **Gin Lawson** -\$1,700

59) **Courtney Silver** - \$1,700

60) **Jesse Smith** - \$4,000

61) **Julian Aggio**-\$2,250

62) **Mallory Brown** - \$2,400

63) **Stephanie Elliott**-\$1,913

64) **Graduate Equity Fellowship:**  
**Pablo Diaz**- 3,100?

65) **Gin Lawson**-\$3,100?

66) **Courtney Silver**-\$3,100?

***Robert Noyce Scholarships:***

67) **Jillian McCool**- \$12,000