

Faculty Presentations

2014 (*undergraduate student)

Davis, S.D., R.B. Pratt, A.L. Jacobsen, F.W. Ewers, A. R. Ramirez*, A.M. Helms*, M.D. Venturas, and E.D. MacKinnon. 2014. Limits in the resilience of chaparral to severe drought. Presented at 99th Annual Meeting Ecological Society of America. Abstract OOS 5-3. Sacramento, CA, August 2014.

Grano, E. 2014. Tuesday Tea Talk "Temperley-Lieb algebra" Presented at Pepperdine University on October 1, 2014.

Grano, E. 2014. "The pop-switch planar algebra and the Jones-Wenzl projections." Presented at AMS Sectional Meeting in Riverside, CA, November 3, 2014.

Grano, E. 2014. "The pop-switch planar algebra and the Jones-Wenzl projections." Presented at Joint Math Meetings in Baltimore, MD, January 18, 2014.

Grano, E. 2014. "The pop-switch planar algebra and the Jones-Wenzl projections." Claremont Topology Seminar at Claremont College, Pomona, CA, April 22, 2014.

Killpatrick, K. 2014. Inversion Polynomials for Consecutive Pattern Avoiding Permutations, Presented at MathFest 2014 IN Portland OR on August 7, 2014.

Killpatrick, K. 2014. Pattern Avoidance and Inversion Polynomials, presented talk at the UCLA Combinatorics seminar in LA, CA on May 15, 2014.

Lucas, Timothy A. 2014. Spatial Simulations of Chaparral Vegetation Response to Frequent Wildfires, MAA Mathfest, Portland, OR, August 8, 2014.

Trammell, J.P., **MacRae, P.**, Tseng, A, McDowell, A.K. & Hunt, C.O. 2014. Steps walked positively correlated with reasoning and Memory in Older Adults. American Psychological Society Meeting, San Francisco, CA. May 2014.

Martin, K. L. 2014. abstract "A Leap of Faith: Beach Spawning in Fishes has Multiple Independent Origins", Presented at Joint Meeting of Ichthyologists and Herpetologists, Chattanooga, TN, August 2014.

Martin, K. L. & M. Studer. 2014. "Citizen Science on the beach: Lessons learned and new opportunities." Presented at the Citizen Science Symposium, Southern California Academy of Sciences, California State University, Channel Islands, Camarillo, CA, May 2014.

Faculty Presentations

2013 (*undergraduate student)

Murray, N.* , **J. Brewster**, and J. Jasperse. 2013. Distribution of alpha adrenergic receptors in the arteriolar network of the gastrocnemius. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, April 4, 2013.

Stephens, P.* , **J. Brewster**, and J. Jasperse. 2013. Connexin 43 expression in rat gastrocnemius circulation. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, April 4, 2013.

Davis, C. 2013. Applying mathematical tools to accelerate *Shigella* vaccine development. Presented at Joint Mathematics Meetings, San Diego, CA, January 9-12, 2013.

Davis, S.D. 2013. Undergraduate Research: Celebrating the Spice of Science. Presented at 27th Annual California State University Student Research Competition. California State Polytechnic University, Pomona, May 2013.

Davis, S.D. 2013. What is the issue: Biological Considerations. Presented at Chaparral Restoration Workshop, Angeles National Forest Training Center, Arcadia, CA. June 19-21, 2013.

Stucky, T.S.* , N.M. Rodriguez* , and **S. Davis**. 2013. Leaf mechanical properties and leaf hydraulics among three life history types in California chaparral. To be presented at 98th Annual Ecological Society of America Meeting, Minneapolis, MN, August 4-9, 2013.

Brereton, K.R.* , A.L. Rheingold, D.B. Green, and **J.M. Fritsch**. 2013. Synthesis of magnesium complexes with electron-donating ketoiminates for the polymerization of L-lactide. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, April 4, 2013.

Brereton, K.R.* , A.L. Rheingold, D.B. Green, and **J.M. Fritsch**. 2013. Synthesis of magnesium complexes with electron-donating ketoiminates for the polymerization of L-lactide. Presented at 245th American Chemical Society National Meeting, New Orleans, LA, April 7-11, 2013.

Gerling, K.A.* , A.L. Rheingold, and **J.M. Fritsch**. 2013. Polymerization of L-lactide with bis-ligated zinc complexes. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, April 4, 2013.

Gerling, K.A.* , A.L. Rheingold, and **J.M. Fritsch**. 2013. Polymerization of L-lactide with bis-ligated zinc complexes. Presented at 245th American Chemical Society National Meeting, New Orleans, LA, April 7-11, 2013.

Schmitz, L.A.* , K. Gerling* , **J.M. Fritsch**, and D.B. Green. Combining FTIR spectroscopy and the Vernier GC for the analysis of a binary mixture: A general chemistry investigation. Presented at 245th American Chemical Society National Meeting, New Orleans, LA, April 8, 2013.

Boundy, T.I.* , D.B. Green, and **J.A. Ganske**. 2013. Determination of volatile aldehydes in university library air using passive sampling. Presented at 245th American Chemical Society National Meeting, New Orleans, LA, April 7-11, 2013.

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2013 (*undergraduate student)

Boundy, T.I.* , **D.B. Green**, and J.A. Ganske. 2013. Determination of volatile aldehydes in university library air using passive sampling. Presented at 245th American Chemical Society National Meeting, New Orleans, LA, April 7-11, 2013

Brereton, K.R.* , A.L. Rheingold, **D.B. Green**, and J.M. Fritsch. 2013. Synthesis of magnesium complexes with electron-donating ketoiminates for the polymerization of L-lactide. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, April 4, 2013.

Brereton, K.R.* , A.L. Rheingold, **D.B. Green**, and J.M. Fritsch. 2013. Synthesis of magnesium complexes with electron-donating ketoiminates for the polymerization of L-lactide. Presented at 245th American Chemical Society National Meeting, New Orleans, LA, April 7-11, 2013.

Schmitz, L.A.* , K. Gerling*, J.M. Fritsch, and **D.B. Green**. Combining FTIR spectroscopy and the Vernier GC for the analysis of a binary mixture: A general chemistry investigation. Presented at 245th American Chemical Society National Meeting, New Orleans, LA, April 8, 2013.

Chin, J.* , D. Land, and **J. Jasperse**. 2013. Mechanisms causing myogenic and reactive dilation in rat soleus feed arteries. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, April 4, 2013.

Land, D., J. Chin*, and **J. Jasperse**. 2013. Integrins and mechanosensitive ion channels in reactive dilation. Presented at Loyola Marymount University Undergraduate Research Symposium, Los Angeles, CA, March 23, 2013.

Murray, N.* , J. Brewster, and **J. Jasperse**. 2013. Distribution of alpha adrenergic receptors in the arteriolar network of the gastrocnemius. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, April 4, 2013.

Stephens, P.* , J. Brewster, and **J. Jasperse**. 2013. Connexin 43 expression in rat gastrocnemius circulation. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, April 4, 2013.

Kats. L.B., J.M. Buie*, N. Novella*, J. Liao*, C.M. Sutter*, and G.M. Bucciarelli. 2013. Stream current as a limiting factor for aquatic invasive species in southern California stream. Presented at International Conference on Challenges in Aquatic Sciences, National Taiwan Ocean University, Keelung, Taiwan, March 15-21, 2013.

Jiang, W.* , C. Seubert, N. Webster*, C. Willens, and **T. Lucas**. 2013. Spatial simulations of chaparral in response to frequent wildfires. Presented at Joint Mathematics Meetings, San Diego, CA, January 9-12, 2013.

Martin, K. L., M. Murrie, A. D. Martin*, and G. D. Martin. 2013. "Surf, Sand and Silversides: The California Grunion." Presented at Joint Meeting of Ichthyologists and Herpetologists, Albuquerque, NM, July 2013.

Faculty Presentations

2013 (*undergraduate student)

Martin, K. L. and M. Studer. 2013. "Citizen Scientists on the Beach: Lessons Learned from Grunion Greeters," Presented at H2O Headwaters To Ocean Conference, San Diego, CA, May 2013.

Martin, K.L. 2013. Seas of sand: From deserts to beaches. Presented at Special Session in Honor of Ken Nagy, The Society for Integrative and Comparative Biology Annual Meeting, San Francisco, CA, January 3-7, 2013.

Martin, K. L., and A.L. Carter. 2013. Brave new propagules: terrestrial embryos of aquatic fish. Invited Symposium Presentation for "Vertebrate Transitions to Land: Past, Present, and Future." Presented at The Society for Integrative and Comparative Biology Annual Meeting, San Francisco, CA, January 3-7, 2013.

Strong, D. 2013. End of semester projects in linear algebra. Presented at Joint Mathematics Meetings, Special Session on Innovative and Effective Ideas in Teaching Linear Algebra, San Diego, CA, January 9-12, 2013.

Thompson, D., and C.L. Miller-Perrin. 2013. The effects of study abroad on student identity, faith, global citizenship, and emotional awareness. Presented at NetVUE Conference of The Council of Independent Colleges, Indianapolis, IN, March 14-16, 2013.

Fitzgerald, G.* , G. Smith* , and **D. Thompson**. 2013. College student health in US and Argentina. Presented at Claremont Graduate University, Student Research Conference, Claremont Graduate University, January 25, 2013.

Fitzgerald, G.* , G. Smith* , and **D. Thompson**. 2013. Cardiovascular health of young adults: A comparative study. Presented at Pepperdine University, Undergraduate Research Banquet, April 4, 2013.

Fitzgerald, G.* , G. Smith* , and **D. Thompson**. 2013. Heart disease risk among college students. Presented at 27th National Conference on Undergraduate Research, La Crosse, WI, April 11-13, 2013.

Jiang, W.* , and **D. Thompson**. 2013. The impact of international programs on student mental development. Presented at Pepperdine University, Undergraduate Research Banquet, April 4, 2013.

Purcar, E.* , and **D. Thompson**. 2013. College student identity and emotional intelligence. Presented at Pepperdine University, Undergraduate Research Banquet, April 4, 2013.

Purcar, E.* , C.L. Miller-Perrin, and **D. Thompson**. 2013. College student identity and emotional intelligence. Presented at 27th National Conference on Undergraduate Research, La Crosse, WI, April 11-13, 2013. (Accepted but student presenter was unable to make the trip.)

Zhang, H.* , J. Coulter* , and **J.B. White**. 2013. Further studies in the ring-closing metathesis of 2,6-disubstituted cyclohexanones and their transannular cyclization. Presented at Pepperdine University, Undergraduate Research Banquet, April 4, 2013.

Faculty Presentations

2012 (*undergraduate student)

Brewster, J.L. 2012. Engaging in undergraduate research. Presented at UCLA Bridge Program Panel, Los Angeles, CA, March 10, 2012.

Brewster, J.L. 2012. Protein folding in health and disease. Presented at California Lutheran University Seminar, Thousand Oaks, CA, May 2, 2012.

Brewster, J.L. 2012. Stress-induced proteolysis of the FKBP65 foldase. Presented at East Los Angeles College, Chemistry Speaker Series, Monterey Park, CA, October, 2012.

Alvarado, S., and **J.L. Brewster**. 2012. Ultrafine particulates differentially induce reactive oxygen species in fibroblast BHK21 and A549 human alveolar lung cells, Presented at Southern California Conferences for Undergraduate Research, California State University Channel Islands, Camarillo, CA, November 17, 2012.

Manes, B. *, S. Alvarado, and **J.L. Brewster**. 2012. Nanoparticle accumulation in human alveolar cells induce reactive oxygen species and ER stress signaling. Presented at American Society for Cell Biology Annual Meeting, San Francisco, CA, December 16-18, 2012.

Manes, B. *, and **J.L. Brewster**. 2012. Carbon black and titanium dioxide particulates differentially activate ER stress and apoptosis in alveolar epithelial cells. Presented at Southern California Conferences for Undergraduate Research, California State University Channel Islands, Camarillo, CA, November 17, 2012.

Scholl, A. *, A. Osborne*, E. Lumley, J. Scott, and **J.L. Brewster**. 2012. Moderate ER stress induces p44/p42 kinase activation and an ITPR-dependent apoptosis. Presented at American Society for Cell Biology Annual Meeting, San Francisco, CA, December 16-18, 2012.

Scholl, A. *, A. Osborne*, E. Lumley, J. Scott, A. Vargas*, and **J.L. Brewster**. 2012. Moderate ER stress induces p44/p42 kinase activation and an ITPR-dependent apoptosis. Presented at Southern California Conferences for Undergraduate Research, California State University Channel Islands, Camarillo, CA, November 17, 2012.

Davis, C. 2012. Mathematics of immunity and vaccines. Presented at Pepperdine University, Natural Science Division Seminar, Malibu, CA, October 30, 2012.

Corbett, C. *, and **S.D. Davis**. 2012. Photosynthetic capacity and its implications for the competitive ability of *Ceanothus megacarpus*, *Ceanothus crassifolius* and *Rhamnus californica*. Presented at Ecological Society of America 97th Annual Meeting, Portland, OR, August 5-10, 2012.

Del Rio, S. *, and **S. Davis**. 2012. Leaf hydraulics and biomechanical strength of two evergreen species of chaparral shrubs in the family Rhamnaceae. Presented at Southern California Conferences for Undergraduate Research, California State University Channel Islands, Camarillo, CA, November 17, 2012.

Faculty Presentations

2012 (*undergraduate student)

T. Stucky and **S.D. Davis**. 2012. A comparison of leaf mechanical strength and water relations among three life history types in California chaparral. Presented at Southern California Conferences for Undergraduate Research, California State University Channel Islands, Camarillo, CA, November 17, 2012.

Honeycutt, R.L., D.P. Perrault,* C.D. Ishibashi, S.R. Ratay, P.J. Dixon, and **S.D. Davis**. 2012. Patterns of genetic variation in island and mainland populations of *Ceanothus* chaparral. Presented at 8th California Islands Symposium, Ventura, CA, October 23-26, 2012.

Perrault, D.R.*, C.D. Ishibashi, S.R. Ratay, **S.D. Davis**, P.J. Dixon, and R.L. Honeycutt. 2012. Genetic variation in island and mainland populations of chaparral. Presented at Southern California Conferences for Undergraduate Research, California State University Channel Islands, Camarillo, CA, November 17, 2012.

Smith, B.A.*, **S.D. Davis**, R.L. Honeycutt, and T.L. Vandergon. 2012. Genetic and morphological variation in island and mainland populations of the chaparral species, *Ceanothus megacarpus*. Presented at 8th California Islands Symposium, Ventura, CA, October 23-26, 2012.

Fasel, G., M. Pantastico*, J. Flicker*, C.T. Hung*, J. Yoon*, E. Segovia*, M. Alyami*, Y. Orellana*, S. Bender*, S. Tandon*, A. Angelo*, C. Vasquez*, D.G. Sibeck*, D.B. Green, F. Sigermes, and D.A. Lorentzen. 2012. The connection between solar wind speed and poleward moving auroral forms. Presented at American Geophysical Union's 45th Annual Fall Meeting, San Francisco, CA, December 3-7, 2012.

Fisher, B., and T. Lucas. 2012. The role of technology in constructing collaborative learning spaces. Presented at Conference on Research in Undergraduate Mathematics Education, Portland, OR, February 24, 2012.

Fisher, B., and T. Lucas. 2012. Using iPads to transform learning spaces. Presented at International Conference on Technology in Collegiate Mathematics, Orlando, FL, March 24, 2012.

Fisher, B., and T. Lucas. 2012. Using iPads to transform learning spaces. Presented at MathFest, Madison, WI, August 2-4, 2012.

Galstyan, A.*, **B. Fisher**, and T. Lucas. 2012. The role of iPads in constructing collaborative learning spaces. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, March 29, 2012.

Gerling, K.A.*, A.L. Rheingold, and **J.M. Fritsch**. 2012. Synthesis and characterization of bis-ligated zinc complexes with tridentate ketoiminate ligands. Presented at 243rd American Chemical Society National Meeting, San Diego, CA, March 27, 2012.

Gerling, K.A.*, A.L. Rheingold, and **J.M. Fritsch**. 2012. Synthesis and characterization of bis-ligated zinc complexes with tridentate ketoiminate ligands. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, March 29, 2012.

Faculty Presentations

2012 (*undergraduate student)

Rezayee, N.M.* and **J.M. Fritsch**. 2012. Polymerization of L-Lactide with zinc phenoxide complexes supported by tridentate ketoiminates bearing trifluoromethyl substituents. Presented at 243rdAmerican Chemical Society National Meeting, San Diego, CA, March 27, 2012.

Rezayee, N.M.* and **J.M. Fritsch**. 2012. Polymerization of L-Lactide with zinc phenoxide complexes supported by tridentate ketoiminates bearing trifluoromethyl substituents. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, March 29, 2012.

Boundy, T.*, D. Green, and **J. Ganske**. 2012. Determination of volatile aldehydes in university library air. Presented at 243rdAmerican Chemical Society National Meeting, San Diego, CA, March 25-29, 2012.

Boundy, T.*, D. Green, and **J. Ganske**. 2012. Determination of volatile aldehydes in university library air using passive sampling. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, March 29, 2012.

Fuller, N.* and **J. Ganske**. 2012. The differentiation of cotton and linen paper in rare books using solid phase microextraction-gas chromatography/mass spectrometry. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, March 29, 2012.

Fasel, G., M. Pantastico*, J. Flicker*, C.T. Hung*, J. Yoon*, E. Segovia*, M. Alyami*, Y. Orellana*, S. Bender*, S. Tandon*, A. Angelo*, C. Vasquez*, D.G. Sibeck*, D.B. Green, F. Sigermes, and D.A. Lorentzen. 2012. The connection between solar wind speed and poleward moving auroral forms. Presented at American Geophysical Union's 45th Annual Fall Meeting, San Francisco, CA, December 3-7, 2012.

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Fisher, B., and T. Lucas. 2012. Using iPads to transform learning spaces. Presented at International Conference on Technology in Collegiate Mathematics, Orlando, FL, March 24, 2012.

Fisher, B., and T. Lucas. 2012. Using iPads to transform learning spaces. Presented at MathFest, Madison, WI, August 2-4, 2012.

Galstyan, A.*, **B. Fisher**, and T. Lucas. 2012. The role of iPads in constructing collaborative learning spaces. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, March 29, 2012.

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Gerling, K.A.* , A.L. Rheingold, and **J.M. Fritsch**. 2012. Synthesis and characterization of bis-ligated zinc complexes with tridentate ketoiminate ligands. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, March 29, 2012.

Rezayee, N.M.* and **J.M. Fritsch**. 2012. Polymerization of L-Lactide with zinc phenoxide complexes supported by tridentate ketoiminates bearing trifluoromethyl substituents. Presented at 243rdAmerican Chemical Society National Meeting, San Diego, CA, March 27, 2012.

Rezayee, N.M.* and **J.M. Fritsch**. 2012. Polymerization of L-Lactide with zinc phenoxide complexes supported by tridentate ketoiminates bearing trifluoromethyl substituents. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, March 29, 2012.

Boundy, T.* , D. Green, and **J. Ganske**. 2012. Determination of volatile aldehydes in university library air. Presented at 243rdAmerican Chemical Society National Meeting, San Diego, CA, March 25-29, 2012.

Boundy, T.* , D. Green, and **J. Ganske**. 2012. Determination of volatile aldehydes in university library air using passive sampling. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, March 29, 2012.

Fuller, N.* and **J. Ganske**. 2012. The differentiation of cotton and linen paper in rare books using solid phase microextraction-gas chromatography/mass spectrometry. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, March 29, 2012.

Fasel, G., M. Pantastico*, J. Flicker*, C.T. Hung*, J. Yoon*, E. Segovia*, M. Alyami*, Y. Orellana*, S. Bender*, S. Tandon*, A. Angelo*, C. Vasquez*, D.G. Sibeck*, **D.B. Green**, F. Sigermes, and D.A. Lorentzen. 2012. The connection between solar wind speed and poleward moving auroral forms. Presented at American Geophysical Union's 45th Annual Fall Meeting, San Francisco, CA, December 3-7, 2012.

Hancock, D.L. 2012. Using the Banach-Mazur Game in an undergraduate real analysis class to investigate different types of infinite sets. Presented at MAA Session on Topics and Techniques for Teaching Real Analysis (MCP MUS N5) at Annual Joint Meeting of the AMS-MAA, Boston, MA, January 6, 2012.

Honeycutt, R.L., D.P. Perrault,* C.D. Ishibashi, S.R. Ratay, P.J. Dixon, and S.D. Davis. 2012. Patterns of genetic variation in island and mainland populations of *Ceanothus* chaparral. Presented at 8th California Islands Symposium, Ventura, CA, October 23-26, 2012.

Ortiz, M.* , **R.L. Honeycutt**, L. Kats, and S. Warford. 2012. Excel-based approach for information retrieval and analysis of population data from the California newt, *Taricha torosa*. Presented at Southern California Conferences for Undergraduate Research, California State University Channel Islands, Camarillo, CA, November 17, 2012.

Faculty Presentations

2012 (*undergraduate student)

Perrault, D.R.* , C.D. Ishibashi, S.R. Ratay, S.D. Davis, P.J. Dixon, and **R.L. Honeycutt**. 2012. Genetic variation in island and mainland populations of chaparral. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, March 29, 2012.

Perrault, D.R.* , C.D. Ishibashi, S.R. Ratay, S.D. Davis, P.J. Dixon, and **R.L. Honeycutt**. 2012. Genetic variation in island and mainland populations of chaparral. Presented at Southern California Conferences for Undergraduate Research, California State University Channel Islands, Camarillo, CA, November 17, 2012.

Smith, B.A.* , S.D. Davis, **R.L. Honeycutt**, and T.L. Vandergon. 2012. Genetic and morphological variation in island and mainland populations of the chaparral species, *Ceanothus megacarpus*. Presented at 8th California Islands Symposium, Ventura, CA, October 23-26, 2012.

Williford, D., R.W. DeYoung, L.A. Brennan, F. Hernández, and **R.L. Honeycutt**. 2012. Mitochondrial DNA phylogeography of the bobwhites. Presented at 7th National Quail Symposium, Tucson, AZ, January 9-12, 2012. *In* Quail VII: Proceedings of the National Quail Symposium 7:254.

Williford, D., R.W. DeYoung, L.A. Brennan, F. Hernández, and **R.L. Honeycutt**. 2012. Phylogeography of the scaled quail in southwestern North America. Presented at 7th National Quail Symposium, Tucson, AZ, January 9-12, 2012. *In* Quail VII: Proceedings of the Seventh National Quail Symposium 7:366.

Carter, M.R.* , E.J. Gray*, N.L. Rawicki*, and **J.L. Jasperse**. 2012. Role of the skeletal muscle pump in exercise onset hyperemia in the human forearm. Presented at Experimental Biology 2012 National Meeting, San Diego, CA, April 21-25, 2012.

Chin, J.* , D. Land, and **J. Jasperse**. 2012. Mechanisms causing myogenic and reactive dilation in rat soleus feed arteries. Presented at Southern California Conferences for Undergraduate Research, California State University Channel Islands, Camarillo, CA, November 17, 2012.

Gray, E.J.* , M.R. Carter*, and **J.L. Jasperse**. 2012. Mechanisms responsible for reactive dilation in soleus feed arteries. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, March 29, 2012.

Gray, E.J.* , M.R. Carter*, and **J.L. Jasperse**. 2012. Mechanisms responsible for reactive dilation in soleus feed arteries. Presented at Experimental Biology 2012 National Meeting, San Diego, CA, April 21-25, 2012.

Horton, M.* , **J.L. Jasperse**, and J.B. Brewster. 2012. Connexin expression in the arterial tree of rat gastrocnemius and soleus muscles. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, March 29, 2012.

Land, D., J. Chin*, and **J. Jasperse**. 2012. Integrins and mechanosensitive ion channels in reactive dilation. Presented at Southern California Conferences for Undergraduate Research, California State University Channel Islands, Camarillo, CA, November 17, 2012.

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2012 (*undergraduate student)

Rawicki, R.L.* , E.J. Gray,* , M.R. Carter* , and **J.L. Jasperse**. 2012. Role of BK_{Ca} in endothelium-dependent dilation of soleus feed arteries. Presented at Experimental Biology 2012 National Meeting, San Diego, CA, April 21-25, 2012.

Allison, B.* , M. Allenby* , and **P.M. Joyner**. 2012. Rapid identification of natural products with enhanced therapeutic potential from Chumash medicinal plants. Presented at 243rdAmerican Chemical Society National Meeting, San Diego, CA, March 27, 2012.

DeForest, J.* and **P.M. Joyner**. 2012. Environmental analysis of biflavonoid inhibitors of seed germination from *Araucaria columnaris* (Cook Pine). Presented at 243rdAmerican Chemical Society National Meeting, San Diego, CA, March 29, 2012.

Fitzgerald, G.* , G. Smith* , **L.B. Kats**, D. Thompson, and J. Herrera Paz. Cardiovascular health of young adults: A comparative study. Presented at Southern California Conferences for Undergraduate Research, California State University Channel Islands, Camarillo, CA, November 17, 2012.

Ortiz, M.* , R.L. Honeycutt, **L. Kats**, and S. Warford. 2012. Excel-based approach for information retrieval and analysis of population data from the California newt, *Taricha torosa*. Presented at Southern California Conferences for Undergraduate Research, California State University Channel Islands, Camarillo, CA, November 17, 2012.

Kim, L.P. 2012. Cultural consideration of preferences for commercial baby foods and fruit and vegetable vouchers in the WIC food package. Presented at American Public Health Association 140th Annual Meeting and Exposition, San Francisco, CA, October 27-31, 2012.

Kim, L.P., S.S. Whaley, and G.G.Harrison. 2012. Participant utilization and satisfaction with fruits, vegetables, and jarred baby foods in the new WIC food package. Presented at Experimental Biology Conference 2012, San Diego, CA, April 24, 2012.

Ritchie, L., and **L.P. Kim**. 2012. WIC WORKS Webinar 2012: Baby Food for Older Infants: How About a Fresh Option? Presented at California WIC Association Webinar, January 19, 2012.

Lucas, T. 2012. Undergraduate research in modeling the response of chaparral plants to wildfires. Presented at Joint Mathematics Meetings, Boston, MA, January 5, 2012.

Lucas, T. 2012. Numerical simulations of an immune response. Presented at Mathematics Colloquium, Fullerton College, Fullerton, CA, May 8, 2012.

Fisher, B., and **T. Lucas**. 2012. The role of technology in constructing collaborative learning spaces. Presented at Conference on Research in Undergraduate Mathematics Education, Portland, OR, February 24, 2012.

Fisher, B., and **T. Lucas**. 2012. Using iPads to transform learning spaces. Presented at International Conference on Technology in Collegiate Mathematics, Orlando, FL, March 24, 2012.

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Fisher, B., and **T. Lucas**. 2012. Using iPads to transform learning spaces. Presented at MathFest, Madison, WI, August 2-4, 2012.

Galstyan, A.*, B. Fisher, and **T. Lucas**. 2012. The role of iPads in constructing collaborative learning spaces. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, March 29, 2012.

Johns, G.*, W. Jiang*, and **T. Lucas**. 2012. Chaparral population models in response to wildfires. Presented at Joint Mathematics Meetings, Boston, MA, January 5, 2012.

Johns, G.*, W. Jiang*, and **T. Lucas**. 2012. Chaparral population models in response to wildfires. Presented at 7th Annual Pacific Coast Undergraduate Mathematics Conference, California State Polytechnic University, Pomona, CA, March 10, 2012.

Johns, G.*, W. Jiang*, and **T. Lucas**. 2012. Chaparral population models in response to wildfires. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, March 29, 2012.

LoJacono, C.*, K. Fertala, Z. Miller, D. Willems, M. Anderson, **H. MacRae**, and P. MacRae. 2012. The effects of 8 weeks of exercise training, CrossFit® versus active control, on power and endurance in young adults. Presented at the 31st Annual Meeting of the Southwest Chapter of The American College of Sports Medicine, Newport Beach, CA, October 19-20, 2012.

Johnston, D.T., P.A. Deuster, W.S. Harris, **H.S-H. MacRae**, and M.N. Dretsch. 2012. Red blood cell omega-3 fatty acid levels and neurocognitive performance in deployed U.S. servicemembers. Presented at 10th Congress of the International Society for the Study of Fatty Acids and Lipids, Vancouver, Canada, May 27, 2012.

LoJacono, C.*, K. Fertala, Z. Miller, D. Willems, M. Anderson, H. MacRae, and **P. MacRae**. 2012. The effects of 8 weeks of exercise training, CrossFit® versus active control, on power and endurance in young adults. Presented at the 31st Annual Meeting of the Southwest Chapter of The American College of Sports Medicine, Newport Beach, CA, October 19-20, 2012.

Ritzke, A.*, M. Deneen, E. Aven, B. Romeo*, M. Anderson, and **P. MacRae**. 2012. The effects of 8 weeks of exercise training, CrossFit® versus active control, on executive function and working memory in young adults. Presented at the 31st Annual Meeting of the Southwest Chapter of The American College of Sports Medicine, Newport Beach, CA, October 19-20, 2012.

Francis, K.L., **P.G. MacRae**, W.W. Spirduso, and T. Eakin. 2012. The influence of age and practice on hemispheric asymmetry. Presented at 8th World Congress on Active Ageing, Glasgow, Scotland, August 13-17, 2012.

Faculty Presentations

2012 (*undergraduate student)

Martin, K., M. Studer, C. Stivers, J. Bautista*, and K. Carlson*. 2012. Citizen science affects public policy for the California Grunion, a beach-spawning fish. Presented at Public Participation in Scientific Research Workshop, 97th Annual Meeting, Ecological Society of America, Portland, OR, August 5-10, 2012.

Martin, K.L. 2012. A new approach to beach ecosystem health. Presented at American Shore and Beach Preservation Association 2012 National Coastal Conference: "Rising to the Challenge," San Diego, CA, October 9-12, 2012.

Martin, K.L. 2012. Beach spawning and terrestrial development in the California grunion. Invited Presentation at Symposia, "Fish living on the edge: coping with extreme environments." Presented at The 10th International Congress on the Biology of Fish, Madison, WI, July 15-19, 2012.

Martin, K.L. 2012. Citizen science drives public policy with the California grunion, a beach spawning fish. Invited Presentation at Symposia, "Science as a second language: getting science used by policymakers, practitioners and the public." Presented at 2012 North American Congress for Conservation Biology, Oakland, CA, July 15-18, 2012.

Carter, A.L., and **K.L. Martin**. 2012. Maternal investment in a short-lived, iteroparous marine fish. Presented at 2012 Meeting of the Society for Integrative and Comparative Biology, Charleston, SC, January 3-7, 2012.

Martin, K.L., J. Dugan, D. Hubbard, J. Passarelli, G. Wang, R. Wilson, C. Nelsen, D. Cooper, D. Pryor, C. Cartwright, L. Adams, M. Studer, H. Helling, J. Engel, and J. Steers. 2012. A new approach to beach ecosystem health. Presented at The Southern California Academy of Sciences Annual Meeting, Symposium - From Rocks to Sand, Occidental College, Eagle Rock, CA, May 4-5, 2012.

Martin, K.L., J. Dugan, D. Hubbard, J. Passarelli, G. Wang, R. Wilson, C. Nelsen, D. Cooper, D. Pryor, C. Cartwright, L. Adams, M. Studer, H. Helling, J. Engel, and J. Steers. 2012. A new approach to beach ecosystem health. Presented at VIth International Sandy Beach Symposium, Nelson Mandela Metropolitan University, Port Elizabeth, South Africa, June 23-28, 2012.

Powell, J.A.* and **K.L. Martin**. 2012. Beach bacteria, kelp wrack, and ecosystem health. Presented at The Southern California Academy of Sciences Annual Meeting, Occidental College, Eagle Rock, CA, May 4-5, 2012.

Lim, A.*, T. Vandergon, and **D. Nofziger Plank**. 2012. A flow cytometry investigation into the effect of Sema3a on the angiogenic signaling cascade of VEGF-A. Presented at Southern California Conferences for Undergraduate Research, California State University Channel Islands, Camarillo, CA, November 17, 2012.

Lim, A.*, T. Vandergon, and **D. Nofziger Plank**. 2012. A flow cytometry investigation into the effect of Sema3a on the angiogenic signaling cascade of VEGF-A. Presented at American Society for Cell Biology Annual Meeting, San Francisco, CA, December 16-18, 2012.

Faculty Presentations

2012 (*undergraduate student)

Van Loon, A.*, and **D. Nofziger Plank**. 2012. The effect of the notch signal pathway on the expression of matrix metalloproteinase 2 and tissue inhibitor of metalloproteinase 2 in lymphangiogenesis. Presented at Southern California Conferences for Undergraduate Research, California State University Channel Islands, Camarillo, CA, November 17, 2012.

Strong, D.M. 2012. A single formulation for least squares, orthogonal projections, exact and approximate solutions. Presented at Presented at Joint Mathematics Meetings, Boston, MA, January 5, 2012.

Whitaker, L.*, and **D.M. Strong**. 2012. An analysis of seat location, viewing angle and price in the Rose Bowl Stadium. Presented at Presented at Joint Mathematics Meetings, Boston, MA, January 5, 2012.

Fitzgerald, G.*, G. Smith*, L.B. Kats, **D. Thompson**, and J. Herrera Paz. Cardiovascular health of young adults: A comparative study. Presented at Southern California Conferences for Undergraduate Research, California State University Channel Islands, Camarillo, CA, November 17, 2012.

Hemphill, C., and **T.L. Vandergon**. Comparison of angiogenic and lymphangiogenic cell surface signals in HUVECs and HLECs. Presented at Southern California Conferences for Undergraduate Research, California State University Channel Islands, Camarillo, CA, November 17, 2012.

Kaczrowski, D., G. Martinez, and **Vandergon, T.** 2012. Genome size correlates with life history type in the genus *Ceanothus*. Presented at First Joint Congress on Evolutionary Biology, Ottawa, Ontario, Canada, July 6-10, 2012.

Lim, A.*, **T. Vandergon**, and D. Nofziger Plank. 2012. A flow cytometry investigation into the effect of Sema3a on the angiogenic signaling cascade of VEGF-A. Presented at Southern California Conferences for Undergraduate Research, California State University Channel Islands, Camarillo, CA, November 17, 2012.

Lim, A.*, **T. Vandergon**, and D. Nofziger Plank. 2012. A flow cytometry investigation into the effect of Sema3a on the angiogenic signaling cascade of VEGF-A. Presented at American Society for Cell Biology Annual Meeting, San Francisco, CA, December 16-18, 2012.

Sauer, R.*, and **T.L. Vandergon**. 2012. Genomic and genetic comparisons in three species of Rhamnaceae on and off serpentine soil. Presented at Southern California Conferences for Undergraduate Research, California State University Channel Islands, Camarillo, CA, November 17, 2012.

Smith, B.A.*, S.D. Davis, R.L. Honeycutt, and **T.L. Vandergon**. 2012. Genetic and morphological variation in island and mainland populations of the chaparral species, *Ceanothus megacarpus*. Presented at 8th California Islands Symposium, Ventura, CA, October 23-26, 2012.

Ortiz, M.*, R.L. Honeycutt, L. Kats, and **S. Warford**. 2012. Excel-based approach for information retrieval and analysis of population data from the California newt, *Taricha torosa*. Presented at Southern California Conferences for Undergraduate Research, California State University Channel Islands, Camarillo, CA, November 17, 2012.

Faculty Presentations

2012 (*undergraduate student)

Rhem, B. *, J. Coulter*, A. Uhrinak, and **J.B. White**. 2012. Formation of bicyclo[8.3.1]dodec-4-en-12-one via ring-closing metathesis and determination of relative stereochemistry of the product from its transannular cyclization. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, March 29, 2012.

Faculty Presentations

2011 (*undergraduate student)

Acquah-Asare, S.* , M. Horton* , **J. Brewster**, and J. Jasperse. 2011. Connexin isoform expression in rat skeletal muscle. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, March 24, 2011.

Candelore, T.* and **J.L. Brewster**. 2011. The effect of ER stress on GAPDH nitrosylation and translocation. Presented at Southern California Conference for Undergraduate Research, Mt. San Antonio College, Walnut, CA, November 19, 2011.

Ishibashi, C.* , A. Shaver* , D. Perrault* , S. Ratay, R.L. Honeycutt, and **S.D. Davis**. 2011. Analysis of genetic variation between populations of *Ceanothus megacarpus* in the Santa Monica Mountains of Southern California. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, March 24, 2011.

Kaneakua, I.N.* , **S.D. Davis**, B.A. Bergman* , and F.W. Ewers. 2011. Shifts in hydraulic and mechanical properties of stem xylem during post fire recovery of the chaparral shrub *Heteromeles arbutifolia*. Presented at Southern California Academy of Sciences Annual Meeting, California State Polytechnic University, Pomona, CA, May 6-7, 2011.

Paddock III, W.A.S, **S.D. Davis**, R.B. Pratt, A.L. Jacobsen, M.F. Tobin, and F.W. Ewers. 2011. Factors determining mortality of adult chaparral shrubs in an extreme drought year. Presented at Southern California Academy of Sciences Annual Meeting, California State Polytechnic University, Pomona, CA, May 6-7, 2011.

Dolbin, R.J. 2011. Partitions, young diagrams, and ballot numbers. Presented at Joint Mathematics Meetings, New Orleans, LA, January 6-9, 1011.

Fisher, B., and T. Lucas. 2011. How do tablet computers facilitate social interaction in the classroom? Presented at Teaching Professor Conference, Atlanta, GA, May 21, 2011.

Fisher, B., and T. Lucas. 2011. Facilitating social interaction in the classroom with iPads. Presented at Technology and Learning Faculty Conference, Pepperdine University, Malibu, CA, September 14, 2011.

Webster, N.* , and **B. Fisher**. 2011. Student understanding of multivariable limits. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, March 24, 2011.

Barnett, B.R.* , and **J.M. Fritsch**. 2011. Synthesis of zinc complexes with sterically-bulky tridentate NNO Schiff bases ligands. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, March 24, 2011.

Barnett, B.R.* , and **J.M. Fritsch**. 2011. Synthesis of zinc complexes with sterically-bulky tridentate NNO Schiff bases ligands. Presented at 241st American Chemical Society National Meeting, Anaheim, CA, March 27, 2011.

Faculty Presentations

2011 (*undergraduate student)

Fritsch, J.M. 2011. Environmentally-friendly magnesium and zinc complexes along the winding road to making a biodegradable polymer. Presented at University of La Verne, La Verne, CA, November 2, 2011.

Fritsch, J.M., C.C. Roberts*, N.M. Rezayee*, and B.R. Barnett*. 2011. Zinc complexes with ketoiminate ligands bearing pendant donors as lactide ring opening polymerization catalysts. Presented at 241st American Chemical Society National Meeting, Anaheim, CA, March 27, 2011.

Gerling, K.A.* , and **J.M. Fritsch**. 2011. Synthesis and characterization of NNO Schiff base ligands and bis-ligated zinc complexes. Presented at American Chemical Society Western Regional Meeting, Pasadena, CA, November 11, 2011.

Rezayee, N.M.* , and **J.M. Fritsch**. 2011. Synthesis and characterization of zinc alkoxide complexes bearing electron withdrawing groups that polymerize L-lactide. Presented at American Chemical Society Western Regional Meeting, Pasadena, CA, November 11, 2011.

Rezayee, N.M.* , and **J.M. Fritsch**. 2011. Synthesis of zinc complexes with assymetric NNO Schiff bases bearing electron withdrawing groups. Presented at 241st American Chemical Society National Meeting, Anaheim, CA, March 28, 2011.

Roberts, C.C.* , and **J.M. Fritsch**. 2011. Zinc complexes with NNO Schiff base ligands bearing quinolyl pendant donors as lactide ring opening polymerization catalysts. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, March 24, 2011.

Roberts, C.C.* , D.B. Green, and **J.M. Fritsch**. 2011. Zinc complexes with NNO Schiff base ligands bearing quinolyl pendant donors as lactide ring opening. Presented at 241st American Chemical Society National Meeting, Anaheim, CA, March 27, 2011.

Williams, D.J.* , D.B. Green, and **J.M. Fritsch**. 2011. Photolysis of a mixed arene iron complex monitored with absorbance spectroscopy and cyclic voltammetry. Presented at 241st American Chemical Society National Meeting, Anaheim, CA, March 28, 2011.

Boundy, T.* , D. Green, and **J. Ganske**. 2011. Determination of volatile aldehydes in library air using passive sampling. Presented at American Chemical Society, Western Regional Meeting, Pasadena, CA, November 10-12, 2011.

de Quillettes, D.W.* , and **J.A. Ganske**. 2011. Determination of NO_x in indoor library air using passive sampling. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, March 24, 2011.

de Quillettes, D.W.* , and **J.A. Ganske**. 2011. Using passive sampling to quantify No_x in library air and SPME-GC/MS to survey volatile aldehydes. Presented at 241st American Chemical Society National Meeting, Anaheim, CA, March 27-31, 2011.

Faculty Presentations

2011 (*undergraduate student)

Fuller, N.J.*, and **J.A. Ganske**. 2011. Paper degradation in rare books: A comparison of hydrolytic and oxidative pathways. Presented at 241st American Chemical Society National Meeting, Anaheim, CA, March 27-31, 2011.

Fuller, N.J.*, and **J.A. Ganske**. 2011. The aging of rare books: A 400 year examination: A comparison of hydrolytic and oxidative chemistry. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, March 24, 2011.

Brereton, K.R.*, and **D.B. Green**. 2011. Isolation of saccharides in dairy and soy products by solid-phase extraction coupled with analysis by ligand-exchange chromatography. Presented at 241st American Chemical Society National Meeting, Anaheim, CA, March 27-31, 2011.

McCormick, L.H.*, and **D.B. Green**. 2011. Application of the gallium-modified bismuth film electrode to the anodic stripping voltammetric analysis of some marker metals in gunshot residue. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, March 24, 2011.

McCormick, L.H.*, S.C. Davis*, T.R. Townsend*, and **D.B. Green**. 2011. Application of the gallium-modified bismuth film electrode to the anodic stripping voltammetric analysis of some marker metals in gunshot residue. Presented at 241st American Chemical Society National Meeting, Anaheim, CA, March 27-31, 2011.

Miguelino, M.*, and **D.B. Green**. 2011. Analysis of copper ion in a recreational harbor by anodic stripping voltammetric analysis utilizing the gallium-modified bismuth film electrode. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, March 24, 2011.

Miguelino, M.*, and **D.B. Green**. 2011. Survey analysis of copper ion in a recreational harbor by anodic stripping voltammetric analysis utilizing the gallium-modified bismuth film electrode. Presented at 241st American Chemical Society National Meeting, Anaheim, CA, March 27-31, 2011.

Roberts, C.C.*, **D.B. Green**, and J.M. Fritsch. 2011. Zinc complexes with NNO Schiff base ligands bearing quinolyl pendant donors as lactide ring opening. Presented at 241st American Chemical Society National Meeting, Anaheim, CA, March 27-31, 2011.

Williams, D.J.*, **D.B. Green**, and J.M. Fritsch. 2011. Photolysis of a mixed arene iron complex monitored with absorbance spectroscopy and cyclic voltammetry. Presented at 241st American Chemical Society National Meeting, Anaheim, CA, March 27-31, 2011.

Ascunce, M.S.*, K. Olson, B.M. Boyd, J. Sumners, **R.L. Honeycutt**, and D.L. Reed. 2011. Origin of the white tail deer of the Guantanamo Naval Base in Cuba. Presented at 91st Annual Meeting, The American Society of Mammalogists, Portland State University, Portland, OR, June 24-28, 2011.

Honeycutt, R.L. 2011. Response to John Angus Campbell's presentation entitled, "Darwin and the Sublime." Presented at Christian Scholars' Conference, Pepperdine University, Malibu, CA, June 16-18, 2011.

Faculty Presentations

2011 (*undergraduate student)

Hwang, C. *, and **R.L. Honeycutt**. 2011. Spectral analysis of color polymorphism in Pacific tree frogs (*Pseudacris regilla*). Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, March 24, 2011.

Ishibashi, C. *, A. Shaver*, D. Perrault*, S. Ratay, **R.L. Honeycutt**, and S.D. Davis. 2011. Analysis of genetic variation between populations of *Ceanothus megacarpus* in the Santa Monica Mountains of Southern California. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, March 24, 2011.

Perrault, D. *, C. Ishibashi*, and **R.L. Honeycutt**. 2011. Introgressive hybridization between subgenera of chaparral on Santa Catalina Island. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, March 24, 2011.

Perrault, D.R. *, C.D. Ishibashi, S.R. Ratay, S.D. Davis, P.J. Dixon, and **R.L. Honeycutt**. 2011. Genetic variation in island and mainland populations of chaparral. Presented at Southern California Conference for Undergraduate Research, Mt. San Antonio College, Walnut, CA, November 19, 2011.

Iga, K. 2011. Sypersymmetric quantum mechanics and codes. Presented at Quantum Theory and Symmetries 7, Prague, Czech Republic, August, 2011.

Iga, K. 2011. Sypersymmetric quantum mechanics and codes. Presented at Centro Brasileiro de Pesquisas Fisicas (joint seminar with IMPA), Rio de Janeiro, Brazil, October 2011.

Acquah-Asare, S. *, M. Horton*, J. Brewster, and **J. Jasperse**. 2011. Connexin isoform expression in rat skeletal muscle. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, March 24, 2011.

Carter, M.R. *, E.J. Gray*, and **J.L. Jasperse**. 2011. Role of potassium channels in mediating endothelium-dependent dialation. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, March 24, 2011.

Carter, M.R. *, E.J. Gray*, H.D. Lee*, and **J.L. Jasperse**. 2011. Potassium channel role in EDHF-induced dilation of soleus feed arteries from sedentary and short-term exercise trained rats. Presented at Experimental Biology National Meeting, Washington, DC, April 9-13, 2011.

Gray, E.J. *, and **J.L. Jasperse**. 2011. Pressure dependence of reactive and agonist-induced dilation. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, March 24, 2011.

Gray, E.J. *, M.R. Carter*, and **J.L. Jasperse**. 2011. Pressure dependence of reactive and agonist-induced dilation. Presented at Experimental Biology National Meeting, Washington, DC, April 9-13, 2011.

Allison, B. *, M. Allenby*, and **P.M. Joyner**. 2011. Chemical survey of medicinal plants of the Chumash people. Presented at the 43rd Western Regional Meeting of the American Chemical Society, Pasadena, CA, November 11, 2011.

Faculty Presentations

2011 (*undergraduate student)

DeForest, J.* and **P.M. Joyner**. 2011. Allelopathic inhibitors of seed germination from the primeval conifer *Araucaria columnaris* (Cook Pine). Presented at the Annual Meeting of the American Society of Pharmacognosy, San Diego, CA, July 31, 2011.

Chowaniec, A.* , G. Bucciarelli, **L.B. Kats**, and D.B. Green. 2011. An improved method for the analysis of tetrodotoxin by high performance liquid chromatography coupled with fluorescence detection. Presented at the 43rd Western Regional Meeting of the American Chemical Society, Pasadena, CA, November 10-12, 2011.

Uemura, E.* , J. Buie* , N. Huron* , and **L.B. Kats**. 2011. Effects of chemical cues from California newt (*Taricha torosa*) on an invasive crayfish (*Procambarus clarkii*). Presented at Southern California Conference for Undergraduate Research, Mt. San Antonio College, Walnut, CA, November 19, 2011.

Lucas, T. 2011. How do iPads facilitate social interaction in the classroom? Presented at SIGMAA on RUME Fourteenth Conference on Research in Undergraduate Mathematics Education, Portland, OR, February 24-27, 2011.

Lucas, T. 2011. How do tablet computers facilitate social interaction in the classroom? The 8th Annual Teaching Professor Conference, Atlanta, GA, May 20-22, 2011.

Allenby, M.* , and **T. Lucas**. 2011. Self-exciting point process models of gang violence. Presented at Joint Mathematics Meetings, New Orleans, LA, January 6-9, 2011.

Allenby, M.* , and **T. Lucas**. 2011. Self-exciting point process models of gang violence. Presented at Pacific Coast Undergraduate Mathematics Conference, Loyola Marymount University, Los Angeles, CA, March 12, 2011.

Fisher, B., and **T. Lucas**. 2011. How do tablet computers facilitate social interaction in the classroom? Presented at Teaching Professor Conference, Atlanta, GA, May 21, 2011.

Fisher, B., and **T. Lucas**. 2011. Facilitating social interaction in the classroom with iPads. Presented at Technology and Learning Faculty Conference, Pepperdine University, Malibu, CA, September 14, 2011.

Johns, G.* , and **T. Lucas**. 2011. Chaparral population models in response to wildfires. Presented at Pepperdine University, Mathematics Department Tuesday Tea Talk, Malibu, CA, March 12, 2011.

Johns, G.* , W. Jiang* , and **T. Lucas**. 2011. Chaparral population models in response to wildfires. Presented at Southern California Conference on Undergraduate Research, Mt. San Antonio College, Walnut, CA, November 19, 2011.

Deneen, M.* , J. Owens* , and **P.G. MacRae**. 2011. The effects of acute exercise on executive function in healthy middle-aged adults. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, March 24, 2011.

Faculty Presentations

2011 (*undergraduate student)

Martin, K.L. 2011. Ecological values of beaches: Nursery functions for charismatic wildlife. Presented at H2O Headwaters to Ocean Conference, Beach Ecology and Economics Symposium, San Diego, CA, May 24-26, 2011.

Martin, K.L. 2011. Waves, beaches, and critical fish spawning habitats: Potential impacts of marine energy development. Presented at American Fisheries Society 141st Annual Meeting, Effects of Renewable Energy Installations on Marine Ecosystems Symposium, Seattle, WA, September 4-8, 2011.

Martin, K.L. 2011. Grunion in San Francisco Bay. Presented at California Cooperative Oceanic Fisheries Investigations (CalCOFI) Meeting, Scripps Institution of Oceanography, La Jolla, CA, December 2011.

Martin, K.L., K.J. Bailey, C.L. Moravek, and K.A. Carlson*. 2011. Taking the plunge: How do California grunion embryos respond so quickly to sudden changes in the environment? Physiology of the response to hatching triggers for a teleost fish. Presented at Society of Integrative and Comparative Biology Annual Meeting, Environmentally Cued Hatching Across Taxa Symposium, Salt Lake City, UT, January 30-31, 2011.

Martin, K.L. and J.G. Raim. 2011. Avian predation on spawning runs of California grunion. Presented at Joint Meeting of Ichthyologists and Herpetologists, Minneapolis, MN, July 6-11, 2011.

Rausch, R. *, A. Vest*, C. Byrne*, and **K.L. Martin**. 2011. Isolation and purification of hatching enzyme and implications for the hatching mechanism in California grunion. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, March 24, 2011.

Gallington, K. *, C. Geraths*, E. Allinson*, P. Begin, S. Stone Watt, and **C.D. Perkins**. 2011. Health behaviors, health beliefs, health outcomes and acculturation in a postpartum Hispanic population. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, March 24, 2011.

Perkins, C.D., S. Dunn, K. Gallington*, and K. Carlson*. 2011. Gestational weight gain relative to Institute of Medicine recommendations in Hispanic women. American College of Sports Medicine 58th Annual Meeting and 2nd World Congress on Exercise is Medicine, Denver, CO, May 31-June 4, 2011.

Strong, D.M. 2011. A nickel and dime example for motivating a variety of linear algebra concepts. Presented at Joint Mathematics Meetings, New Orleans, LA, January 6-9, 2011.

Strong, D.M. 2011. Patterns and identities from research projects with undergraduates. Presented at Fresno State University, Department of Mathematics Colloquium, Fresno, CA, October 26, 2011.

Strong, D.M. 2011. Scale perception and choice of regularization in total variation regularization. Presented at Università di Bologna, Dipartimento della matematica Colloquium, Bologna, Italy, June 10, 2011.

Strong, D.M. 2011. Wicked: A problem in counting and probability. Presented at MAA MathFest, Lexington, KY, August 4-6, 2011.

Faculty Presentations

2011 (*undergraduate student)

Kern, D.*, and **D.M. Strong**. 2011. Fast approximation of derivatives using Taylor series and Vandermonde matrices. Presented at Joint Mathematics Meetings, New Orleans, LA, January 6-9, 2011

Kern, D.*, and **D.M. Strong**. 2011. Fast approximation of derivatives using Taylor series and Vandermonde matrices. Presented at 6th Annual Pacific Coast Undergraduate Mathematics Conference, Loyola Marymount University, Los Angeles, CA, March 12, 2011.

Kern, D.*, and **D.M. Strong**. 2011. Fast approximation of derivatives using Taylor series and Vandermonde matrices. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, March 24, 2011.

Kern, D.*, and **D.M. Strong**. 2011. Fast approximation of derivatives using Taylor series and Vandermonde matrices. Presented at MAA MathFest, Lexington, KY, August 4-6, 2011.

Whitaker, L.*, and **D.M. Strong**. 2011. An analysis of seat location, viewing angle and price in the Rose Bowl Stadium. Presented at 6th Annual Pacific Coast Undergraduate Mathematics Conference, Loyola Marymount University, Los Angeles, CA, March 12, 2011.

Whitaker, L.*, and **D.M. Strong**. 2011. An analysis of seat location, viewing angle and price in the Rose Bowl Stadium. Presented at MAA MathFest, Lexington, KY, August 4-6, 2011.

Thompson, D., C.L. Miller-Perrin, D. Tippens, G. Selby, and E. Krumrei. 2011. Mentoring sophomore students in vocational discernment: The role of faculty. Presented at The Council of Independent Colleges, NetVUE Conference, Indianapolis, IN, March 10-12, 2011.

Kaczrowski, D.*, and **T.L. Vandergon**. 2011. Genome sizes measured by flow cytometry differ among species of *Ceanothus*. Presented at Pepperdine University, Undergraduate Research Banquet, Malibu, CA, March 24, 2011.