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10-28-2015

# 2015 Program

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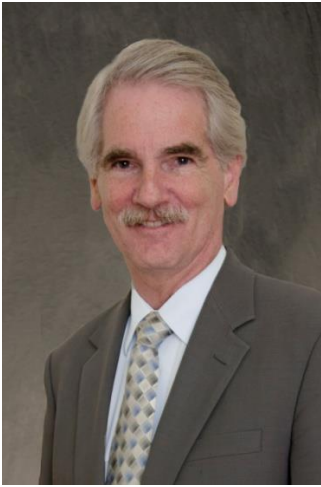


# 2015 CELEBRATION OF PUBLICATIONS, CREATIVE WORKS, AND GRANTS

Wednesday, October 28  
University Ballroom  
3:30-5:00 p.m.



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The Division of Academic Affairs



A university is more than an amalgamation of several colleges. It also is an organization which celebrates the full richness of faculty contributions including those vital and exciting contributions in research, scholarship and creative activity within their disciplines. These contributions come in many forms: journal articles, book chapters, monographs, art works, music compositions, performances of many varieties and a host of others. Funded research contributions are similarly varied. Through such activities, faculty members stay at the growing edges of their fields, and in so doing, they enrich their intellectual lives as well as those of their students.

Once again, I invite each participant at this event today to browse the contributions of your colleagues, ask questions, and celebrate the intellectual vitality of our university community. Each year as this event grows and widens its reach and audience, it continues to inspire and impress me. I am sure it will do the same for you.

## **Dr. Blair M. Lord**

Provost and Vice President of Academic Affairs

## **Academic Affairs**

**Cross, Jeffrey F.**, co-editor-in-chief. *Journal of Collective Bargaining in the Academy*. <http://thekeep.eiu.edu/jcba/>, 2014-2015.

## **Art**

**Boonstra, Matthew.** *49th Annual National Drawing and Small Sculpture Show*. National Exhibition. Del Mar College, Corpus Christi, TX. 2015.

**Boonstra, Matthew.** *71st Annual Wabash Valley Juried Art Exhibition*. Regional Exhibition. Swope Art Museum, Terre Haute, IN. 2015.

**Boonstra, Matthew.** *Cedarhurst Biennial*. Regional Exhibition. Mitchell Museum Mt. Vernon, IL. 2015.

**Boonstra, Matthew.** *The FL3TCH3R Exhibit*. National Juried Exhibition. Reece Museum, East Tennessee State University, TN. 2014.

**Boonstra, Matthew.** *MATERIALIZE: Sculpture Using Digital Fabrication*. National Juried Exhibition. Robert & Elaine Stein Galleries, Wright State University, Dayton, OH. & Purdue University Galleries, West Lafayette, IN. 2014.

**Boonstra, Matthew.** *Running To Conclusions*. Invitational. Goldman-Kuenz Sculpture Park, Cedarhurst Center for the Arts, Mt. Vernon, IL. 2015.

**Coddington, Ann.** *All Things Considered* VII. Invitational exhibition of the National Basketry Org. Grand Hand Museum, Minneapolis, MN, traveling to Fruitlands Museum. Harvard, MA. 2015.

**Coddington, Ann.** *Nets*. Solo installation piece, Boneyard Arts Festival. Champaign, IL. 2015.

**Kahler, Chris.** Buzz Spector. *Chris Kahler: On Paper*. Catalogue, Essay. Bruno David Publication, June 2015.

**Nivens, Charles.** *Graphic Design USA*, a national magazine on design. Juried national exhibition. Recipient of a 2015 American Graphic Design Award for the design of the "University of Illinois, Department of Chemical and Biomolecular Engineering Mass Transfer Spring/Summer Brochure"

**Pocaro, Alan.** *6X6X2015*. Open Invitational, Rochester Contemporary Art Center, Rochester, NY. May, 2015.

**Pocaro, Alan.** *Abstraction: A Visual Language at Rhona Hoffman Gallery*. *NewCity*, Vol. 30 No. 1328. June 30, 2015.

**Pocaro, Alan.** *Clare E. Rojas at Kavi Gupta Elizabeth St*. *NewCity*, Vol 29. No. 1315. December 10, 2014.

**Pocaro, Alan.** *Color, Line, & Form*. National Juried Exhibition. Hot Springs Center for Fine Art, Hot Springs, AR. October, 2014.

**Pocaro, Alan.** Featured Artist. *The Diaologist*. Vol. II, Issue IV. January, 2015.

**Pocaro, Alan.** *Drunken Geometry/Devening Projects + Editions*. *NewCity*, Vol. 30 No. 1320. March 04, 2015.

**Pocaro, Alan.** *Josh Dihle at Valerie Carberry Gallery*. *NewCity*, Vol. 30 No. 1326. June 01, 2015.

**Pocaro, Alan.** *Josiah McElhney at Corbett vs. Dempsey*. *NewCity*, Vol. 29 No. 1313. November 10, 2014.

**Pocaro, Alan.** *Land's End at Logan Art Center*. *NewCity*, Vo. 30. No. 1318. February 6, 2015.

**Pocaro, Alan.** *Luis Sahagun at Kruger Gallery*. *NewCity*, Vol. 30 No. 1323. April 11, 2015.

**Pocaro, Alan.** *Milton Resnick at Mana Contemporary*. *NewCity*, Vol. 29 No. 1312. October 29, 2014.

**Pocaro, Alan.** *New American Paintings: Midwest Edition at Elmhurst Art Museum*. *NewCity*, Vol. 30 No. 1327. June 18, 2015.

**Pocaro, Alan.** *New Image Painting at Shane Campbell Gallery*. *NewCity*, Vol. 29 No. 1310. September 13, 2014.

**Pocaro, Alan.** *Nuria Monteil at Hyde Park Art Center*. *NewCity*, Vol. 30 No. 1318. February 6, 2015.

**Pocaro, Alan.** *Other Planes of Thereat Corbett vs. Dempsey*. *NewCity*, Vol. 30 No. 1329. August 13, 2015.

**Pocaro, Alan.** *Raw/Refined* Invitational Exhibition. The Peoria Art Guild, Peoria, IL. April, 2015.

**Pocaro, Alan.** *Ryan Fenchel/Carrie Secrist Gallery*. *NewCity*, Vol. 30 No. 1320. March 04, 2015.

**Pocaro, Alan.** *Small Works*. National Juried Exhibition. Trestle Gallery, Brooklyn, NY July, 2015.

**Pocaro, Alan.** *Something Out of Nothing, Or Not.* Two Person Invitational Exhibition. Semantics Gallery, Cincinnati, Oh. July 2015.

**Pocaro, Alan.** Varda Caivano at The Renaissance Society. *NewCity*, Vol. 30 No. 1321. March 17, 2015.

**Richardson, David.** *Graphic Design and Poetry in Motion.* Guest lecture at Southern Utah University's Department of Art & Design's weekly Art Insights series, Cedar City, Utah; November 20, 2014.

**Richardson, David.** *Migrations* selected for screening at the Rabbit Heart Poetry Film Festival at Nick's Bar in Worcester, Massachusetts, October 12, 2014; a finalist for Best Sound/Music.

**Richardson, David.** *Migrations* and *On a Prophet* included among the thirty short-listed poetry-films at the 2nd Ó Bhéal International Poetry-Film Competition 2014 and screened during the IndieCork Film Festival, October 12-19, 2014, in Cork, Ireland.

**Richardson, David.** *Migrations.* An original film-poem, curated into and screened at CYCLOP, the 4th International Videopoetry Festival in Kiev, Ukraine; November 21-23, 2014.

**Richardson, David.** *On a Prophet*, a film-poem, awarded First Prize for Best Editing in Liberated Words III's "Memory" show, an international poetry-film festival at the Arnolfini Gallery in Bristol, UK; September 13, 2014.

**Richardson, David.** *On a Prophet.* A collaborative film-poem, curated into and screened at Visible Verse Poetry Film Festival 2014, the Cinematheque in Vancouver, Canada; Heather Haley, curator; October 18, 2014.

## Biological Sciences

Thapa, S., Johnson, D. B., Liu, P. P., & **Canam, T.** (2014). Algal Biomass as a Binding Agent for the Densification of Miscanthus. *Waste and Biomass Valorization*, 6(1), 91–95.

Neubig, K. M., **Carlsward, B. S.**, Whitten, W. M., & Williams, N. H. (2015). Nectary structure and nectar in *Sobralia* and *Elleanthus* (Sobralieae: Orchidaceae). *Lankesteriana*, 15(2).

Ellis, M. L., Shaw, K. J., Jackson, S. B., **Daniel, S. L.**, & Knight, J. (2015). Analysis of Commercial Kidney Stone Probiotic Supplements. *Urology*, 85(3), 517–521.

**Douros, D. L., Gaines, K. F., & Novak, J. M.** (2015). Atrazine and glyphosate dynamics in a lotic ecosystem: the common snapping turtle as a sentinel species. *Environmental Monitoring and Assessment*, 187(3), 114.

**Gaines, K. F., Novak, J. M.,** Bobryk, C. W., & Blas, S. A. (2014). Toxicodynamic modeling of 137Cs to estimate white-tailed deer background levels for the Department of Energy's Savannah River Site. *Environmental Monitoring and Assessment*, 186(4), 2067–79.

Vilhelmsen, L., Blank, S. M., **Liu, Z.**, & Smith, D. R. (2014). Discovery of new species confirms Oriental origin of *Orussus* Latreille (Hymenoptera: Orussidae). *Insect Systematics & Evolution*, 45, 51–91.

Ronquist, F., Nieves-Aldrey, J.-L., Buffington, M. L., **Liu, Z.**, Liljeblad, J., & Nylander, J. A. A. (2015). Phylogeny, evolution and classification of gall wasps: the plot thickens. *PLoS One*, 10(5), e0123301.

**Maia, A.,** Sheltzer, A. P., & Tytell, E. D. (2015). Streamwise vortices destabilize swimming bluegill sunfish (*Lepomis macrochirus*). *The Journal of Experimental Biology*, 218, 786–792.

**Meiners, S. J.**, Pickett, S. T. A., & Cadenasso, M. L. (2015). *An Integrative Approach to Successional Dynamics: Tempo and Mode of Community Change*. Cambridge University Press.

**Meiners, S. J.**, & Presley, G. N. (2015). Differential damage of a late frost to Ozark tree species 1. *The Journal of the Torrey Botanical Society*, *142*(1), 12–17.

**Meiners, S. J.**, Cadotte, M. W., Fridley, J. D., Pickett, S. T. A., & Walker, L. R. (2015). Is successional research nearing its climax? New approaches for understanding dynamic communities. *Functional Ecology*, *29*(2), 154–164.

Herzberger, A. J., **Meiners, S. J.**, Towey, J. B., Butts, P. A., & Armstrong, D. L. (2015). Plant-microbe interactions change along a tallgrass prairie restoration chronosequence. *Restoration Ecology*, *23*(3), 220–227.

Li, S.-P., Cadotte, M. W., **Meiners, S. J.**, Hua, Z.-S., Jiang, L., & Shu, W.-S. (2015). Species colonisation, not competitive exclusion, drives community overdispersion over long-term succession. *Ecology Letters*, *18*(9), 964–73.

Ladwig, L. M., & **Meiners, S. J.** (2014). The role of lianas in temperate tree communities. In S. A. Schnitzer, F. Bongers, R. J. Burnham, & F. E. Putz (Eds.), *Ecology of Lianas* (pp. 188–202). Wiley & Sons.

Paudel, S., Welker, L., **Nathan, B. P.**, **Konkle, M. E.**, & **Menze, M. A.** (2015). D-galactose decreases mitoNEET (CISD1) levels in HepG2 cells. In *Molecular Biology of the Cell: The American Society for Cell Biology* (p. 1348). Retrieved from <http://www.molbiolcell.org/content/25/25/3987.full>

Hand, S. C., & **Menze, M. A.** (2015). Molecular approaches for improving desiccation tolerance: insights from the brine shrimp *Artemia franciscana*. *Planta*, *242*(2), 379–88.

Martinez, E., Hendricks, E., **Menze, M. A.**, & Torres, J. J. (2015). Physiological performance of warm-adapted marine ectotherms: Thermal limits of mitochondrial energy transduction efficiency. *Comparative Biochemistry and Physiology. Part A, Molecular & Integrative Physiology*. <http://doi.org/10.1016/j.cbpa.2015.08.008>

Grimm, D., Altamirano, L., **Konkle, M. E.**, & **Menze, M. A.** (2014). The Effects of Pioglitazone on Liver Cell Bioenergetics. In *Molecular Biology of the Cell: The American Society for Cell Biology* (p. 2254). Retrieved from <http://www.molbiolcell.org/content/25/25/3987.full>

Martinez, E., Porreca, A. P., **Colombo, R. E.**, & **Menze, M. A.** (2015). Tradeoffs of warm adaptation in aquatic ectotherms: Live fast, die young? *Comparative Biochemistry and Physiology. Part A, Molecular & Integrative Physiology*. <http://doi.org/10.1016/j.cbpa.2015.07.014>.

Pooley, A. E., Luong, M., Hussain, A., & **Nathan, B. P.** (2015). Neurite outgrowth promoting effect of 17- $\beta$  estradiol is mediated through estrogen receptor alpha in an olfactory epithelium culture. *Brain Research*. <http://doi.org/10.1016/j.brainres.2015.07.015>

Thornton, J. L., & **Switzer, P. V.** (2015). Factors Affecting the Spatial Distribution of Oviposition Sites for Tandem Black Saddlebags Dragonflies (Odonata: Libellulidae). *Journal of Insect Science*, *15*(1), 54.

**Switzer, P. V.**, Forsythe, P. S., & Kruse, K. C. (2014). Male-male mounting and the unreliability of body size as a character for mate choice in male Japanese beetles (*Popillia japonica* Newman). *Zoological Studies*, *53*(1), 53.

Martin, C. M., Kruse, K. C., & **Switzer, P. V.** (2015). Social Experience Affects Same-Sex Pairing Behavior in Male Red Flour Beetles (*Tribolium castaneum* Herbst). *Journal of Insect Behavior*, *28*(3), 268–279.

- Lojewski, J. A., & Switzer, P. V. (2014). The role of landmarks in territory maintenance by the black saddlebags dragonfly, *Tramea lacerata*. *Behavioral Ecology and Sociobiology*, 69(3), 347–355.
- Thuong, S. D., Bach, T. T., Choudhary, R. K., **Tucker, G. C.**, Hai, D. Van, Quang, B. H., Chinh, V. T., & Lee, J. (2015). *Capparis gialaiensis* (Capparaceae), a New Species from Vietnam. *Annales Botanici Fennici*, 52(3-4), 219–223.
- Tucker, G. C.** (2014). *Cyperus paramoensis* (Cyperaceae), a new species from northwestern South America. *Novon: A Journal for Botanical Nomenclature*, 23(1), 115–118.
- Tucker, G. C.** (2014). *Cyperus stewartii* (Cyperaceae), a new species from Cocos Island, Costa Rica. *Journal of the Botanical Research Institute of Texas*, 8, 25–29.
- Tucker, G. C.**, & Razifard, H. (2014). Elatinaceae. *Flora of Thailand*, 11(4), 542–546.
- Tucker, G. C.**, Ebinger, J. E., McClain, W. E., Smith, E. L., Marcum, P. B., & Jansen, R. (2015). Marsh Vegetation of the Margaret Guzy Pothole Wetlands Land and Water Reserve, Shelby County, Illinois. *Transactions of the Illinois State Academy of Science*, 108, 7–12.
- Tucker, G. C.** (2015). Notes on *Cyperus* sect. *Incurvi* (Cyperaceae) from the New World Tropics. *Willdenowia - Annals of the Botanic Garden and Botanical Museum Berlin-Dahlem*, 44, 253–261.
- Tucker, G. C.** (2015). Two new species of *Cyperus* (Cyperaceae) from Brazil. *Rodriguésia*, 66(2), 611–616.  
<http://doi.org/10.1590/2175-7860201566223>
- Dash, M., **Yordanov, Y. S.**, Georgieva, T., Kumari, S., Wei, H., & Busov, V. (2015). A systems biology approach identifies new regulators of poplar root development under low nitrogen. *The Plant Journal : For Cell and Molecular Biology*.  
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## Business

- Akalin, G. I.**, & Prater, E. L. (2015). The Global Crisis of the Late 2000s and Currency Substitution: A Study of Three Eastern European Economies Russia, Turkey and Ukraine. *Journal of Central Banking Theory and Practice*, 4(2), 5-22.
- Bayer, M. A.**, & Lewis, K. (2015). "Analogical reasoning in creative groups." *Proceedings from the 10th Annual Interdisciplinary Network for Group Research Conference*. Pittsburgh, PA.
- Coker, K. K., Smith, D. S.**, & Altobello, S. A. (2015). Buzzing with Disclosure of Social Shopping Rewards. *Journal of Research in Interactive Marketing*, 9(3), 170-189. (LEAD ARTICLE)
- Balasubramanian, S. K., Patwardhan, H., Pillai D., & **Coker, K. K.** (2014). Modeling Attitude Constructs in Movie Product Placements. *Journal of Product & Brand Management*, 23(7), 516-531.
- Coker, K. K.**, Hills, S., Sims, J. D., Taran, Z., DePamphilis, C. T., Lai, H., & Lim, O. F. (2014). "Perspectives and Issues in Undergraduate Student Research." *Proceedings of Marketing Management Association Fall Educators' Conference*. San Antonio, TX.
- Preston, T. & **Coker, K. K.** (2014). "Revisiting the Skeptic: Claim Objectivity and Product Price in Consumer Skepticism of Advertising." *Proceedings of the Society for Marketing Advances Annual Conference*. New Orleans, LA, 341-342.

Valle, K. N., **Coker, K. K., & Flight, R. L.** (2015). "Social Entrepreneurship in its Social Context: The Role of National Leadership Culture." *Proceedings of the Marketing Management Association Spring Conference*. Chicago, IL, 48.

**Coker, K. K.** (2014). "Teaching to Suit: Techniques to Facilitate an Adaptive Marketing Classroom." *Proceedings of the Society for Marketing Advances Conference*. New Orleans, LA, 265.

Samii, L. & **Coker, K. K.** (2015). "The Brand in the Mirror: Toward Brand Identity-Image Congruence in Social Media Marketing." *Proceedings of the Marketing Management Association Spring Conference*. Chicago, IL, 98-99. (BEST PAPER AWARD IN PROMOTIONS & DIGITAL MARKETING TRACK).

Valle, K., **Coker, K. K., & Flight, R. L.** (2015). "When in Rome: The Role of Leadership Culture and Social Entrepreneurship." *Proceedings of the 40th Macromarketing Conference*. Chicago, IL.

**Costello T. G. & Costello, A. O.** (2014). Globalization and the United States: Dynamics, Results, and Challenges-Empirical Evidence. *Journal of Business and Behavioral Sciences*, 26(3), 21-31.

**Dobbs, M. E., & Schwindenhammer, E. M.** (2015). Executive compensation in higher education: Effects of institutional characteristics and performance on presidents' compensation. *Journal of the North American Management Society*, 9(1), 14-28.

**Flight, R. L.** & Sacramento, D. (2015). Brand Attachment and the Compulsive Buyer. *International Journal of Academic Research in Business and Social Science*, 5(8), 157-171.

**Grünhagen, M.** & Kolb, C. (2014). "Channel Equity as a Motive for the Pursuit of Acquisition Targets: Evidence from the Service Sector." *Proceedings from the 7th International Conference on Services Management*. Macau, P.R. CHINA.

Lucia-Palacios, L., Bordonaba Juste, V., Polo Redondo, Y. & **Grünhagen, M.** (2014). "Complementary IT Resources for Enabling Technological Opportunism." *Proceedings from the International Conference on Electronic Business*. Taipei, TAIWAN.

**Grünhagen, M.,** Phuong Le, T. & Ho, C. (2015). "HR and Franchising in an Emerging Economy: Preliminary Insights from an Interview Study in Vietnam." *Proceedings from the International Conference on Global Business, Economics, Finance and Social Sciences*. Bangkok, THAILAND.

Zheng, X., Wang, J. J. & **Grünhagen, M.** (2015). "Unnatural Relationship Dissolution in Franchising: A Dual-Agency Perspective." *Proceedings of the 29th Annual Conference of the International Society of Franchising*. Oviedo, SPAIN.

Watson, A., Dada, O., **Grünhagen, M., & Wollan, M. L.** (accepted Sept 2014, forthcoming). When do franchisors select entrepreneurial franchisees? An organizational identity perspective. *Journal of Business Research*, TBD.

Merkle, M., **Shinde, J., & Willems, J.** (2014). "Stress and Public Accounting: A Comparison Study of Student Perceptions of Tax vs. Audit Environments with Implications for Academia and Practice." *Proceedings from the Center for Scholastic Inquiry Fall 2014 Conference*. Chaska, MN.

Sully de Luque, M. F., & **Wollan, M. L.** (2015). "The importance of indirect inquiry in feedback seeking strategies." *Proceedings from the Society of Industrial and Organizational Psychology (SIOP) Conference*. Philadelphia, PA.



## Chemistry

Li, W.; Si, L.; Liu, Z.; Wu, H.; Zhao, Z.; Cheng, Y.-B.; **He, H.** Bis(9,9-Dihexyl-9H-Fluorene-7-Yl)amine (BDFA) as a New Donor for Porphyrin-Sensitized Solar Cells. *Org. Electron.* **2014**, *15* (10), 2448–2460.

Li, W.; Liu, Z.; Xu, X.; Cheng, Y.-B.; Zhao, Z.; **He, H.** Near-Infrared Absorbing Porphyrin Dyes with Perpendicularly Extended  $\Pi$ -Conjugation for Dye-Sensitized Solar Cells. *RSC Adv.* **2014**, *4* (92), 50897–50905.

Li, W.; Liu, Z.; Wu, H.; Cheng, Y.-B.; Zhao, Z.; **He, H.** Thiophene-Functionalized Porphyrins: Synthesis, Photophysical Properties, and Photovoltaic Performance in Dye-Sensitized Solar Cells. *J. Phys. Chem. C* **2015**, *119* (10), 5265–5273.

Liu, Z.; Zhang, M.; Xu, X.; Bu, L.; Zhang, W.; Li, W.; Zhao, Z.; Wang, M.; Cheng, Y.-B.; **He, H.** P-Type Mesoscopic NiO as an Active Interfacial Layer for Carbon Counter Electrode Based Perovskite Solar Cells. *Dalton Trans.* **2015**, *44* (9), 3967–3973.

Gamage, C. P.; Bailey, R. C.; **Keiter, E. A.**; Kuczynski, J. R.; **Wheeler, K. A.**; Stern, C. L.; **Brandt, D. E.**; **Keiter, R. L.** Dangling Phosphine Complexes: Phosphine Exchange in Pentacarbonyl Tungsten Complexes of Bis(diphenylphosphinomethyl)phenylphosphine. *J. Organomet. Chem.* **2015**, *794*, 258–265.

Bills, B.; Dye, C.; **Klarup, D.** Bisphenol-A Extraction into Water from a Flexible PVC Pond Liner and Its Potential Impact on Artificial Ponds. *Geotext. Geomembranes* **2015**, *43* (3), 259–262.

**Periyannan, G. R.**; **Lawrence, B. A.**; Egan, A. E.  $^1\text{H}$  NMR Spectroscopy-Based Configurational Analysis of Mono- and Disaccharides and Detection of B-Glucosidase Activity: An Undergraduate Biochemistry Laboratory. *J. Chem. Educ.* **2015**, *92* (7), 1244–1249.

Chen, S.; Ibrahim, A. A.; Mondal, M.; Magee, A. J.; Cruz, A. J.; **Wheeler, K. A.**; Kerrigan, N. J. Asymmetric Synthesis of Deoxypropionate Derivatives via Catalytic Hydrogenolysis of Enantioenriched Z-Ketene Heterodimers. *Org. Lett.* **2015**, *17* (13), 3248–3251.

Deng, Y.; Karunaratne, C. V.; Csatory, E.; Tierney, D. L.; **Wheeler, K. A.**; Wang, H. Chiral Bimetallic Catalysts Derived from Chiral Metal Phosphates: Enantioselective Three-Component Asymmetric Aza-Diels-Alder Reactions of Cyclic Ketones. *J. Org. Chem.* **2015**, *80* (16), 7984–7993.

Peraino, N. J.; **Wheeler, K. A.**; Kerrigan, N. J. Diastereoselective Synthesis of  $\Gamma$ -Lactones through Reaction of Enediolates with  $\text{A},\beta$ -Unsaturated Sulfoxonium Salts. *Org. Lett.* **2015**, *17* (7), 1735–1737.

Deng, Y.; Kumar, S.; **Wheeler, K. A.**; Wang, H. Trio Catalysis Merging Enamine, Brønsted Acid, and Metal Lewis Acid Catalysis: Asymmetric Three-Component Aza-Diels-Alder Reaction of Substituted Cinnamaldehydes, Cyclic Ketones, and Arylamines. *Chemistry* **2015**, *21* (21), 7874–7880.

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Bewick, N. A.; Arendt, A.; Li, Y.; Szafer, S.; Lis, T.; **Wheeler, K. A.**; Young, J.; Dembinski, R. Synthesis and Solid-State Structure of (4-Hydroxy-3,5-Diiodophenyl)phosphine Oxides. Dimeric Motifs with the Assistance of O-H $\cdots$ O=P Hydrogen Bonds. *Curr. Org. Chem.* **2015**, *19* (5), 469–474.

## College of Education and Professional Studies

**Bickford, J., Schuette, L., & Rich, C.** (2015). Examining the historical representation of the Holocaust within trade books. *Journal of International Social Studies, 5*(1), 4-50.

**Bickford, J. & Rich, C.** (2015). The historical representation of Thanksgiving within primary- and intermediate- level children's literature. *Journal of Children's Literature, 41*(1), 5-21.

**Bickford, J. & Rich, C.** (2015). Scrutinizing and supplementing children's trade books about child labor. *Social Studies Research & Practice, 10*(1), 21-40.

## Communication Disorders and Sciences

**Fahy, J. K.** (2014). Assessment of Executive Functions in School-Aged Children: Challenges and Solutions for the SLP. *Perspectives on School-Based Issues, 15*(4), 151.

Ambrose, N. G., Yairi, E., Loucks, T. M., Seery, C. H., & **Throneburg, R.** (2015). Relation of motor, linguistic and temperament factors in epidemiologic subtypes of persistent and recovered stuttering: Initial findings. *Journal of Fluency Disorders, 45*, 12–26.

## Communication Studies

**Janssen Danyi, C.I.** (2015). Kommunikationsmanagement (Communication Management). In: R. Stober & N. Orthmann (Eds.). *Compliance: Handbuch für die öffentliche Verwaltung*. Kohlhammer: Stuttgart.

**Janssen Danyi, C.** (2014). Kommunikative Herausforderungen an die Sicherheitswirtschaft. Legitimierung, Reputation und Krisenkommunikation. (Communicative challenges for the security industry: Legitimation, reputation and crisis communication). R. Stober (ed.). *Jahrbuch der Sicherheitswirtschaft 2013*. Hamburg, Verlag Dr. Kovacs.

**Janssen Danyi, C.I. & Jenne, A.** (2014, November). Resisting corporate apologia: Understanding Gruenenthal's failed mea culpa to the victims of thalidomide. Competitively selected paper presented at the annual convention of the National Communication Association (NCA), Chicago.

Fähnrich, B., **Janssen Danyi, C.I.** & Nothhaft, H. (2015). The German plagiarism crisis: Defending and explaining the workings of scholarship on the front stage. *Journal of Communication Management, 19*(1), pg. 20-38.

**Jones, R. G., Jr.** (2015). *CMN 1310: Introduction to Speech Communication*. Dubuque, IA: Kendall Hunt.

**Jones, R. G., Jr.** (2014). Divided loyalties: Exploring the intersections of queerness, race, ethnicity, and gender. In S. C. Howard (Ed.), *Critical articulations of race, gender, and sexual orientation* (pp. 23-46). Lanham, MD: Lexington Books.

**Jones, R. G., Jr.** (2015). Queering the body politic: Intersectional reflexivity in the body narratives of queer men. *Qualitative Inquiry*. doi: 10.1177/1077800415569782

**Niesen, M.** (2015), From Gray Panther to National Nanny: The Kidvid Crusade and the Eclipse of the U.S. Federal Trade Commission. 1977–1980. *Communication, Culture & Critique*. doi: 10.1111/cccr.12100

## Continuing Education

**Johnson, C., & Rose, A.D.** (2015). Professing reform while seeking acceptance: The dilemmas of teaching accelerated courses in higher education. *The Journal of Continuing Higher Education, 63*(1), 3-14.  
doi:10.1080/07377363.2015.998068

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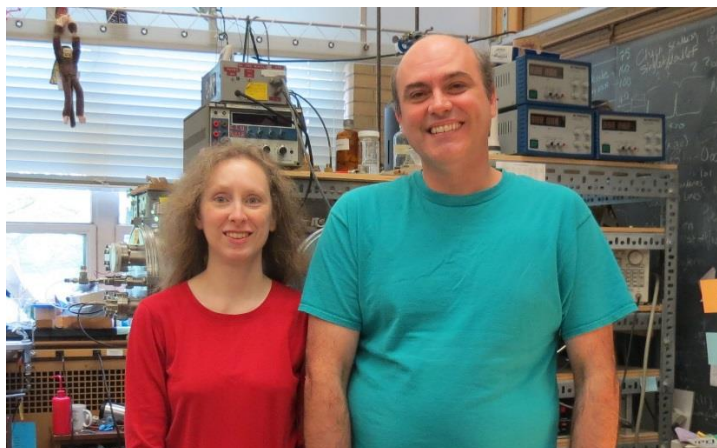
## Theatre Arts

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## 2015 Recipients of the Edwin L. "Bud" May Award



**Sean and Rebecca Peebles**

**Dr. Rebecca Peebles** has been a tenure-track faculty member in the EIU Chemistry department since 2004, serving as Annually Contracted Faculty for three years before that. Prior to coming to EIU, she was a Visiting Assistant Professor at Canisius College in Buffalo, NY for one year. In 2008, she and Sean Peebles received National Science Foundation funding for Research at Undergraduate Institutions to perform microwave spectroscopy to determine the structures of small molecules, and particularly to understand the properties of weak interactions between molecules, which are important in a range of applications such as the action of drugs in the body, biochemical reactions, and construction of nano-machines. This funding was renewed in 2012, and current interests also include formation and spectroscopic investigation of unstable chemicals containing electrical charges. Since 2008, the Peebles's joint funding has supported 19 summer research students, often for multiple years, as well as many additional school-year only students. Dr. Peebles has previously received grants from the Dreyfus Foundation and the Petroleum Research Fund to support spectroscopic studies of atmospheric pollutants such as ozone destroyers, and since 2009 she has taken multiple trips to the Canadian Light Source synchrotron facility in Saskatchewan to record high precision spectra of potential groundwater contaminants. Dr. Peebles has received support for these endeavors from the Council on Faculty Research, which, combined with Chemistry department support, has allowed her to take students along on these data collection missions. Dr. Peebles is a native of Washington, DC. She received a BA in Chemistry from Oberlin College in 1996 and a Ph.D. in Physical Chemistry from the University of Michigan in 2000.

**Dr. Sean Peebles** has been a faculty member in the EIU Chemistry Department since 2001. His research focuses on determination of structure and properties of molecules and weakly interacting clusters of molecules using microwave spectroscopy and computational chemistry. Recent National Science Foundation (NSF) funding allowed modifications to also target studies of reactive ionic species in the gas phase. The research utilizes a chirped-pulse Fourier-transform microwave spectrometer, which was constructed entirely at EIU with the help of undergraduate students and represented the first such instrument at a principally undergraduate institution. Our goal is to improve understanding of the fundamental forces acting between molecules, such interactions being important in many different areas, such as drug interactions, protein folding, CO<sub>2</sub> capture, and atmospheric and combustion chemistry. In addition to NSF support, Dr. Peebles's research has also been funded by external grants from the Petroleum Research Fund, and he was the recipient of a Dreyfus Foundation Teacher-Scholar Award in 2009. Dr. Peebles received his B.Sc. and Ph.D. degrees in Chemistry from the University of Exeter in the UK, and was a postdoctoral research fellow at the University of Michigan, Ann Arbor and a Visiting Assistant Professor at SUNY Fredonia before coming to EIU.

## **Externally Funded Grants Received Fiscal Year 2015**

### **Academic Affairs**

**Project Directors: Armstrong, Ke'An / Neal, Jack / Good, Brenda – WEIU**

Funding Agency: City of Charleston Tourism

Title of Project: WEIU Kids Day at the Castle

**Project Directors: Armstrong, Ke'An / Neal, Jack – WEIU**

Funding Agency: United Way of Coles County

Title of Project: Raising Readers

**Project Directors: Davenport, Mona / Burkhead, Maggie - Minority Affairs**

Funding Agency: U.S. Department of Education

Title of Project: TRIO: Student Support Services FY15

**Project Director: Neal, Jack - WEIU**

Funding Agency: Corporation for Public Broadcasting

Title of Project: CPB Interconnection Grant FY15

**Project Director: Neal, Jack - WEIU**

Funding Agency: Illinois Arts Council

Title of Project: IAC FY15 (Basic Grant)

**Project Director: Neal, Jack - WEIU**

Funding Agency: Corporation for Public Broadcasting

Title of Project: Community Service Grant FY2015

### **Business Affairs**

**Project Directors: Siegel, Ryan / Weber, Chad - Facilities Planning and Management**

Funding Agency: Illinois Department of Commerce and Economic Opportunity

Title of Project: Natural Gas Boiler Tune-up

**Project Directors: Siegel, Ryan / Weber, Chad - Facilities Planning and Management**

Funding Agency: Illinois Department of Commerce and Economic Opportunity

Title of Project: Physical Science Condensate Pipe Insulation

**Project Director: Zimmer, Timothy - Facilities Planning and Management**

Funding Agency: Illinois Emergency Management Agency

Title of Project: Enhancing Campus Security

## **College of Arts and Humanities**

**Project Director: Crews, Daniel** - College of Arts & Humanities Dean's Office

Funding Agency: City of Charleston Tourism

Title of Project: Celebration: A Festival of the Arts 2015

**Project Director: Murray, Robin**- English

Funding Agency: National Writing Project

Title of Project: Teacher Leadership Development SEED Grant - Year Two

**Project Director: Reid, Debra** – History

Funding Agency: Delta Kappa Gamma Educational Foundation

Title of Project: Field School in Interdisciplinary Medieval Research, Analysis and Public Interpretation

**Project Director: Rossi, Richard** – Music

Funding Agency: Charleston Area Charitable Foundation (CACF)

Title of Project: CACF for the Eastern Symphony Orchestra

**Project Director: Vaught, Dwight** - College of Arts and Humanities Dean's Office

Funding Agency: New England Foundation for the Arts: National Dance Project

Title of Project: Residency by the Seldoms dance company and performance of POWER GOES

## **Lumpkin College of Business and Applied Sciences**

**Project Directors: Baker, Misty / Kennedy-Hagan, Karla** - Family and Consumer Sciences

Funding Agency: Illinois Department of Human Services/US Department of Health and Human Services

Title of Project: Child Care Resource and Referral FY15

**Project Directors: Baker, Misty / Simpson, Linda** - Family and Consumer Sciences

Funding Agency: Illinois Network of Child Care Resource and Referral Agencies

Title of Project: INCCRRA Recruitment and Recognition of Early Care and Education Practitioners

**Project Director: Painter, James** - Family and Consumer Sciences

Funding Agency: Paramount Farms

Title of Project: Perceived Feelings of Contentment and Happiness after Consuming Snack Foods

**Project Director: Savickas, Eric** - Military Sciences

Funding Agency: Tawani Charitable Foundation

Title of Project: EIU ROTC Cadet Awards Promotion FY15

## **College of Education and Professional Studies**

**Project Director: Bower, Douglas** - Education and Professional Studies Dean's Office

Funding Agency: Illinois Board of Higher Education

Title of Project: IBHE Common Core State Standards Integration (Increase #1)

**Project Directors: Jackman, Diane / Reid, Brian** - Early Childhood, Elementary, and Middle Level Education  
Funding Agency: Southern Illinois University – Edwardsville  
Title of Project: Illinois IHE Partnership- EIU IHE Mini-grant

**Project Director: Lucas, Stephen** - Secondary Education & Foundations  
Funding Agency: Various Illinois Institutions of Higher Education  
Title of Project: Teacher Graduate Assessment

**Project Directors: Mulvaney, Michael / Barkley, James** - Recreation Administration  
Funding Agency: Edgar County Highway Department  
Title of Project: Edgar County Trails and Greenways: Blackhawk Trail Master Plan (Phase II)

**Project Director: Reven, Linda** - Early Childhood, Elementary, and Middle Level Education  
Funding Agency: Illinois Network for Child Care Resource and Referral Agencies  
Title of Project: Gateways to Opportunity Youth Development Specialist Credential pilot program

**Project Director: Reven, Linda** - Early Childhood, Elementary, and Middle Level Education  
Funding Agency: Illinois Network for Child Care Resource and Referral Agencies  
Title of Project: Gateways to Opportunity School Age Specialist Credential pilot program

**Project Director: Rich, Cynthia** - Education and Professional Studies Dean's Office  
Funding Agency: Library of Congress  
Title of Project: Teaching with Primary Sources

**Project Directors: Bower, Douglas** - Education and Professional Studies Dean's Office  
**Ames, Melissa / Binns, Donna / Murray, Robin** - English Department  
Funding Agency: Illinois State Board of Education  
Title of Project: ISBE Teacher Prep Redesign English Department FY15

**Project Directors: Bower, Douglas** - Education and Professional Studies Dean's Office  
**Lassak, Marshall** - Mathematics and Computer Science  
Funding Agency: Illinois State Board of Education  
Title of Project: ISBE Teacher Prep Redesign Math Bower FY15

## **College of Sciences**

**Principal Investigator: Canam, Thomas** - Biological Sciences  
Funding Agency: Environmental Protection Agency  
Title of Project: Fungi and Bioenergy: Development of a Sustainable Biomass Pretreatment System

**Principal Investigator: Colombo, Robert** - Biological Sciences  
Funding Agency: UIUC/INHS/IDNR/USFWS  
Title of Project: Asian Carp 2015

**Principal Investigator: Colombo, Robert** - Biological Sciences  
Funding Agency: Illinois Water Resources Center  
Title of Project: Effect of Dams on the Genetic Structure of Fish Assemblages in the Vermillion River

**Principal Investigators: Colombo, Robert / Bollinger, Eric / Meiners, Scott** - Biological Sciences

Funding Agency: Illinois Department of Natural Resources/USFWS

Title of Project: A Long-term Monitoring Program of Fish Population on the Wabash River

**Principal Investigators: Colombo, Robert / Laursen, Jeffrey / Pederson, Charles** - Biological Sciences

Funding Agency: Sanitary District of Decatur

Title of Project: Ecological condition of a stretch of the Sangamon River receiving effluent from the Sanitary District of Decatur: Focusing on water chemistry, qualitative habitat assessment, and the mussel, macroinvertebrate and fish assemblages

**Principal Investigators: Colombo, Robert / Meiners, Scott** - Biological Sciences

Funding Agency: Illinois Department of Natural Resources

Title of Project: NFPP - Vermillion River Basin Biological Assessment for Dam Removal

**Principal Investigator: Coons, Janice** - Biological Sciences

Funding Agency: University of Illinois Urbana Champaign/Illinois Natural History Survey

Title of Project: Population surveys, reproductive ecology, and seed ecology and seed predator identification for *Physaria kaibabensis*.

**Principal Investigators: Craig, Cameron** - Geology/Geography; **Grant, Pete** – CATS; **Johnson, Mark** - College of Sciences

Funding Agency: Illinois Principals Association

Title of Project: Illinois Principals Association: Model Math Curriculum Video Series

**Principal Investigator: Deppe, Jill** - Biological Sciences

Funding Agency: Illinois Department of Natural Resources

Title of Project: Bat communities in Illinois State Parks & Nature Preserves in Coles and Clark Counties: Bat Inventory & Habitat Associations

**Principal Investigators: Di Naso, Steven / Gutowski, Vincent** - Geology/Geography

Funding Agency: City of Danville

Title of Project: GIS Utilities Mapping Services

**Principal Investigators: Di Naso, Steven / Gutowski, Vincent** - Geology/Geography

Funding Agency: Iowa Select Farms

Title of Project: System Management, Mapping and Workflow Initiative

**Principal Investigators: Di Naso, Steven / Gutowski, Vincent** - Geology/Geography

Funding Agency: City of Berwyn

Title of Project: GIS Utilities Mapping Initiative 2014 - Phase II

**Principal Investigators: Di Naso, Steven / Gutowski, Vincent** - Geology/Geography

Funding Agency: City of Charleston

Title of Project: GIS Database Development for the City of Charleston (Amendment #8)

**Principal Investigator: Meiners, Scott** - Biological Sciences

Funding Agency: Lumpkin Family Foundation

Title of Project: Evaluating the potential of chestnuts and hazelnuts as sustainable crops in East-Central Illinois.

**Principal Investigator: Menze, Michael** - Biological Sciences

Funding Agency: National Science Foundation

Title of Project: Collaborative Research: Mechanisms of Tolerance to Severe Water Stress in Animals

**Principal Investigator: Mullin, Stephen** - Biological Sciences

Funding Agency: Illinois Department of Natural Resources

Title of Project: Safe Passage: The Hose Bridge as a Model Conduit System During Seasonal Peaks in the Migration of Small Vertebrates.

**Principal Investigator: Maia, Anabela** - Biological Sciences

Funding Agency: Illinois Water Resource Center

Title of Project: Effects of structural rehabilitation on nutrient retention and uptake, community assemblages, and functional morphology of biotic communities in a small Midwestern stream

## **Graduate School**

**Project Director: Chesnut, Robert** - Research and Sponsored Programs

Funding Agency: Illinois Department of Human Services

Title of Project: Prescription Information Library FY15

## **Library Services**

**Project Director: Heldebrandt, Elizabeth** - Library Services

Funding Agency: Illinois Humanities Council

Title of Project: Quannah and Cynthia Ann Parker: The History and the Legend

## **Student Affairs**

**Project Directors: Davidson, Eric / Murphy, Cherise** - Health Services

Funding Agency: Illinois Department of Human Services

Title of Project: IDHS: Statewide Higher Education Substance Abuse Prevention Program

**Project Director: Moore, Linda** - Career Services

Funding Agency: Illinois Board of Higher Education

Title of Project: Illinois Cooperative Work Study Program FY2015

## Internal Funding

### 2015 Dean's Award of Excellence in Summer Research and Creative Activity

#### Dr. Lyndsay Jenkins, Psychology Department



Dr. Jenkins's research interests revolve around student academic success, factors that enable success, such as academic enablers and social support, as well as potential barriers to academic success, such as externalizing behaviors, bullying, and peer victimization. Through her research, she hopes to gain a better understanding of characteristics and outcomes associated with major bullying roles (i.e., bully, assistant, victim, defender, and outsider) and how this process can be translated into prevention and intervention efforts for schools.

She graduated from Northern Illinois University with a Ph.D. in Psychology, specializing in School Psychology. Dr. Jenkins has been at EIU since 2012 and teaches undergraduate and graduate classes in the Psychology Department. She is the coordinator for the Undergraduate Internship Program in the Psychology department and co-advisor for the Psychology Club. She regularly works with undergraduate and graduate students and their research projects and has sponsored over two dozen student research presentations at local, regional, and national conferences in the last three years.

### 2015 Summer Research and Creative Activity Award Recipients

#### **Bickford, John – Early Childhood, Elementary, and Middle-Level Education**

The Historical (Mis)Representation of War within Children's and Young Adult Literature

#### **Campbell, Julie – English**

"Humanism, Translation, and Transnational Histories"

#### **Canivez, Gary – Psychology**

Structural Validity of the WISC-V: Confirmatory Factor Analytic Analyses Comparing Bifactor and Higher-Order Models

#### **Deppe, Jill – Biological Sciences**

Quantifying broad-scale songbird migration patterns in the Yucatan Peninsula and Cuba to identify conservation priorities in the Gulf of Mexico.

#### **Engles, Tim – English**

"Not quite his own master": Richard Wright's Savage Holiday" [book chapter]

#### **He, Hongshan – Chemistry**

A Near-infrared Dye for Dye-sensitized Solar Cells

#### **Hendrickson, Ryan – Political Science**

Congress and ISIS: The Constitutionality of President Obama's New War

**Hung, Kai – Biological Sciences**

Using DNA Fingerprinting to Analyze Genetic Variations in Escherichia coli Samples

**Jenkins, Lyndsay – Psychology**

Measurement of the Bystander Intervention Model in Middle School

**Kronenfeld, Barry – Geology/Geography**

User-Friendly Software for Manual Cartogram Construction - Application Narrative

**Laingen, Chris – Geology/Geography**

The Corn Belt's Quiet Transformation

**Ludlow, Jeannie – English/Women's Studies**

Undue Burdens and Personal Responsibility: Literary Pregnancy and Abortion in the Post-Choice Decade in the United States

**Meiners, Scott – Biological Sciences**

Evaluation of Stress Tolerance in Chestnut and Hazelnut Varieties

**Menze, Michael – Biological Sciences**

Can We Predict the Spread of the Gypsy Moth by Understanding Thermal Performance of this Invasive Forest Pest?

**Nathan, Britto – Biological Sciences**

Loss of Smell in Women an Early Sign of Alzheimer's' Disease

**Periyannan, Gopal – Chemistry**

Glutamate Carboxypeptidase II from Caenorhabditis elegans: an Efficient Model to Study Human Folic Acid Metabolism and Stroke Development

**Polydore, Catherine – Counseling and Student Development**

An Exploratory Qualitative Investigation of Secondary Education in Dominica

**Semeniuc, Radu – Chemistry**

Inspired by nature, designed for CENCERE: An amphiphilic ligand for methane hydroxylation

**Wharram, Charles – English**

Broadview Edition of Goethe's The Sorrows of Werther

**Wixson, Christopher – English**

Bernard Shaw, Mass Marketing, and Proprietary Cures



## 2015 Dean's Award of Excellence in Research and Creative Activity

### Dr. Michael Menze, Biological Sciences



Dr. Menze's research focuses on the biochemical underpinnings of adaptations to extreme environmental insults such as elevated temperature, severe dehydration, and freezing in animals. He is especially interested in how the 'cellular powerhouse', termed mitochondrion, integrates into states of suboptimal metabolic activities. His interest in mitochondrial physiology and metabolism aligned well with the research objectives of two colleagues here at Eastern, and he quickly developed strong collaborations with Dr. Britto Nathan a Neurobiologist in the Biology department, and Dr. Konkle a Biochemist in the Chemistry department. The synergistic interactions among these three scientists lead to novel research avenues investigating the role of a recently discovered iron-sulfur cluster containing protein termed mitoNEET (CISD1) in mitochondrial energy production and neuronal health. All three scientists are continuing to actively collaborate on several questions surrounding the role of mitoNEET in a variety of biological model systems and diseases. Dr. Menze also fosters a strong student centered research program at EIU and he provides many undergraduate and graduate students with research opportunities throughout the year.

### 2014-2015 Council on Faculty Research Award Recipients

#### **Bickford III, John – Early Childhood, Elementary and Middle-Level Education**

Elementary and Middle Level Students' Historical Thinking

#### **Chesner, Craig – Geology/Geography**

Geologic Mapping of Samosir Island: Insights into the Recent History of the Toba Caldera, Sumatra, Indonesia

#### **Deppe, Jill – Biological Sciences**

Evaluating stopover site quality for migratory songbirds in the Gulf of Mexico: Conservation and management priorities

#### **Knight, Lania – English**

Writing Speculative Fiction: Remnant, a novel

#### **Konkle, Mary – Chemistry**

Characterization of TZD Drugs Binding to Glutamate Dehydrogenase 1

#### **Menze, Michael – Biological Sciences**

The Brain on Aging – Role of CISD1

#### **Mullin, Stephen – Biological Sciences**

Manipulative moms: Examining the relationships between environmental variables and offspring traits in a live-bearing snake species

#### **Nathan, Britto – Biological Sciences**

Molecular Studies of a Brain-Selective Estrogen to Prevent Alzheimer's Disease

**Periyannan, Gopal – Chemistry**

Bacterial Transformation of Bio-Oil: A Source of Carbon Compounds for Renewable Energy and Material Production

**Quesada, Ruben – English**

Poetry Writing: Elegies

**Slaven, Isaac – School of Technology**

Employing observed photodegradation in ink pigments as a safety indicator in synthetic life safety equipment

**2015-2016 President’s Fund for Research and Creative Activity Award Recipients**

**Cook II, David – Mathematics and Computer Science**

The Lefschetz Properties in Algebra, Combinatorics, and Geometry

**Maia, Anabela - Biological Sciences**

Evolution of median fins in basal bony fishes

**Semeniuc, Radu – Chemistry**

Metal-Based Compounds for Environmentally Friendly Transformations

**2015-2016 Council on Faculty Research**

**College of Arts and Humanities**

Matthew Boonstra

Nora Pat Small

**Lumpkin College of Business and Applied Sciences**

Marko Grunhagen, Chair

Melanie Burns

**College of Education and Professional Studies**

Rebecca Cook

Jennifer Stringfellow

**College of Sciences**

Ronan Bernas

Rebecca Peebles

**Library Services**

Steve Brantley