

UCF Faculty AcCOMplishments

May – August 2015

Publications

- ❖ Adams L, Franco MC, **Estevez AG**. (2015) Reactive nitrogen species in cellular signaling. *Exp Biol Med*. Maywood. 240(6):711-7. doi:10.1177/1535370215581314. <http://www.ncbi.nlm.nih.gov/pubmed/25888647>
- ❖ **Baroudi R**, Flaughter M, Grace E, Zakria D. (September 2015) The Importance of an Antimicrobial Stewardship Program. *Fed Pract*. 32(9):20-24. <http://www.fedprac.com/articles/featured-research/article/the-importance-of-an-antimicrobial-stewardship-program/f681fe7ac6bbe04cbda270be638811d9/ocregister.html>
- ❖ Bryan TJ, Estrada CA, **Castiglioni A**, Snyder ED. (May 2015) Impact of an educational intervention on provider knowledge, attitudes, and comfort level regarding counseling women ages 40–49 about breast cancer screening. *Dovepress*. 2015(8): 209-16. doi:10.2147/JMDH.S80337. <http://www.ncbi.nlm.nih.gov/pubmed/25999731>
- ❖ Dennys CN, Armstrong J, Levy M, Byun YJ, Ramdial KR, Bott M, Rossi FH, **Fernández-Valle C**, Franco MC, **Estevez AG**. (June 2015) Chronic inhibitory effect of riluzole on trophic factor production. *Exp Neurol* 271:301-307. doi: 10.1016/j.expneurol.2015.05.016. <http://www.ncbi.nlm.nih.gov/pubmed/26071088>
- ❖ Ding J, Dhillon V, **Li X**, Hu H. (June 2015) Systematic discovery of cofactor motifs from ChIP-seq data by SIOMICS. *Methods*; 79-80:47-51. doi: 10.1016/j.ymeth.2014.08.006. <http://www.ncbi.nlm.nih.gov/pubmed/25171961>
- ❖ Ding J, **Li X**, Hu H. (May 2015) MicroRNA modules prefer to bind weak and unconventional target sites. *Bioinformatics*. 31(9):1366-74. doi: 10.1093/bioinformatics/btu833 <http://www.ncbi.nlm.nih.gov/pubmed/25527098>
- ❖ Doshi M, **Copik A**, Gesquiere AJ. (May 2015) Development and Characterization of Conducting Polymer Nanoparticles for Photodynamic Therapy In Vitro. *Photodiagnosis Photodyn Ther*. pii: S1572-1000(15)00045-9. doi: 10.1016/j.pdpdt.2015.04.010. <http://www.ncbi.nlm.nih.gov/pubmed/25976507>
- ❖ Dow, B.A. & **Davidson, V.L.** (June 2015) Characterization of the free energy dependence of an interprotein electron transfer reaction by variation of pH and site-directed mutagenesis. *Biochim. Biophys. Acta*. 1847, 1181-1186. doi:10.1016/j.bbabi.2015.06.012 <http://www.ncbi.nlm.nih.gov/pubmed/26087387>
- ❖ Franco MC, Ricart KC, Gonzalez AS, Dennys CN, Nelson PA, Janes MS, Mehl RA, Landar A, **Estévez AG**. (July 2015) Nitration of Hsp90 on Tyrosine 33 Regulates Mitochondrial Metabolism. *J Biol Chem*. 290(31):19055-66. doi: 10.1074/jbc.M115.663278. <http://www.ncbi.nlm.nih.gov/pubmed/26085096>
- ❖ Jain S, Showman AC, **Jewett MW** (June 2015) Molecular dissection of a *Borrelia burgdorferi* in vivo essential purine transport system. *Infect Immun*. 83(6):2224-33. doi: 10.1128/IAI.02859-14. <http://www.ncbi.nlm.nih.gov/pubmed/25776752>
- ❖ Kapoor N, Niu J, Saad Y, Kumar S, Sirakova T, Becerra E, **Li X**, **Kolattukudy PE**. (June 2015) Transcription factors STAT6 and KLF4 implement macrophage polarization via the dual catalytic powers of MCPiP. *J Immunol*. 15;194(12):6011-23. doi: 10.4049/jimmunol.1402797. <http://www.ncbi.nlm.nih.gov/pubmed/25934862>
- ❖ Ma Z, Williamson HR, **Davidson VL**. (August 2015) Roles of multiple-proton transfer pathways and proton-coupled electron transfer in the reactivity of the bis-FeIV state of MauG. *Proc Natl Acad Sci U S A*. pii: 201510986. <http://www.ncbi.nlm.nih.gov/pubmed/26283395>
- ❖ Sehanobish E, Chacón-Verdú MD, Sanchez-Amat A, **Davidson VL**. (August 2015) Roles of active site residues in LodA, a cysteine tryptophylquinone dependent ϵ -lysine oxidase. *Arch Biochem Biophys*. 579:26-32. doi: 10.1016/j.abb.2015.05.013. <http://www.ncbi.nlm.nih.gov/pubmed/26048732>
- ❖ **Sherin K**, Seikel S, Hale S. *Alcohol Use Disorders*, Chapter 48 (1119-1133). 2015. *Textbox of Family Medicine*. Elsevier Health Sciences. <http://www.ncbi.nlm.nih.gov/nlmcatalog/101645489>
- ❖ Shin S, Feng M, Li C, Williamson HR, Choi M, Wilmot CM, **Davidson VL**. (August 2015) A T67A mutation in the proximal pocket of the high-spin heme of MauG stabilizes formation of a mixed-valent FeII/FeIII state and enhances charge resonance stabilization of the bis-FeIV state. *Biochim Biophys Acta*. 1847(8):709-16. doi: 10.1016/j.bbabi.2015.04.008. <http://www.ncbi.nlm.nih.gov/pubmed/25896561>

“Coming together is a beginning. Keeping together is progress. Working together is success.”

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UCF Faculty AcCOMplishments continued...

May – August 2015

Publications Cont.

- ❖ Taylor M, Curtis D, **Teter K.** (July 2015) A Conformational Shift in the Dissociated Cholera Toxin A1 Subunit Prevents Reassembly of the Cholera Holotoxin. *Toxins (Basel)*.7(7):2674-84. doi: 10.3390/toxins7072674.
<http://www.ncbi.nlm.nih.gov/pubmed/26266549>
- ❖ **Walton D.** (June 2015). Database Review: VisualDx. *Journal of Electronic Resources in Medical Libraries*, 12(2), 97-104.
<http://www.tandfonline.com/doi/full/10.1080/15424065.2015.1035567>
- ❖ **Willenberg B,** Oca-Cossio, J, **Cai, Y,** Brown, A., Clapp, W, Abrahamson, D, Terada, N, Ellison, G, Mathews, C, Batich, C & **Ross, E** (August 2015). Repurposed biological scaffolds: kidney to pancreas. (*Organogenesis*). 11(2), 47-57.
http://www.tandfonline.com/doi/full/10.1080/15476278.2015.1067354#_VkjitberRaQ

Presentations

S. Gallum, N. Williams (May 2015) Keeping it Fun: Innovative Ways to Build Relationships with Library Users. Invited talk at the Florida Library Association Annual Meeting. Orlando, FL.

V.L. Davidson (July 2015) Remote catalysis: Coupling long range electron transfer to radical-mediated chemistry. Invited talk at Gordon Research Conference on Enzymes, Coenzymes and Metabolic Pathways. Waterville Valley, NH.

Awards and Service

Dr. Chakrabarti

- PI on awarded NIH/NIAIS R03 grant, Natural Product-Inspired Novel Synthetic Antiplasmodial Scaffolds, total \$145,000.
- PI on awarded NIH/NIAID R41 grant, Novel Piperazine Tethered Thiazole Compounds as Antimalarials, total \$113,000.

Dr. Cole

- Awarded NIH R21 grant, Development of nonhuman primate model of *S. aureus* nasal colonization, total \$458,000.

Dr. DeCampi

- Honored with Top Performance Award of the Editorial Board for The Journal of Thoracic and Cardiovascular Surgery, 2015

Dr. Kibble

- Co-Investigator on awarded NBME Stemmler Fund grant, Leveraging Assessment for Learning: Optimizing Challenge and Engagement in an Intelligent Formative Assessment System, total \$150,000.

Dr. Pasarica

- Awarded Florida Academy of Family Physicians Foundations (FAFPF) grant, Family Medicine in your Future.

Dr. Tigno-Aranjuez

- Awarded NIH/NHLBI R00 grant, 2015-2018, The Role of RIP2 Kinase in the Pathogenesis of Allergic Asthma, total \$249,000.

Dr. Willenberg

- Awarded Collaborative DOD (Army) grant with UF, Deployed Warfighter Protection research program (DWFP), a DOD-sponsored research program administered by the Armed Forces Pest Management Board (AFPMB), total \$318,000.
- Awarded a DACS grant from the State of Florida, Colormetric Sensor Devices Using Aptamer-Gold Nanoparticle Conjugates for Field Surveillance of Mosquito-Borne Diseases, total \$33,000.

Ms. Dexter

- Elected to the AAMC GIR (Group on Information Resources) Steering committee.

Ms. Herring

- Chosen to serve on the Florida Library Virtual Campus (FLVC) Collection Management and E-Resources Standing Committee for 2015-2018.

Ms. Walton

- Accepted to the Harvard Institutes for Higher Education Leadership Institute for Academic Librarians (July 26-31, 2015).
- Recognized as a Distinguished Member of the Academy of Health Information Professionals (AHIP).
- Chosen to serve on the Florida Council of State Libraries Shared Resources Information Task Force.

Library Team

- Awarded an Express Digitization Award from the National Network of Libraries of Medicine, Southeastern Division of the National Library Medicine, for the creation of a 3D digital collection, total \$4,600.