

UCF Faculty AcCOMplishments

September – December 2015

Publications

- ❖ **Bailey M, Kay D, Berry A** (October 2015) Introduction to Entrustable Professional Activities Faculty Development Module. MedEdPORTAL Publications. <https://www.mededportal.org/publication/10230>
- ❖ Birdsong G, **Davey DD**.(2015) "Specimen Adequacy". In: Edited by Nayar R and Wilbur DC. The Bethesda System for Reporting Cervical Cytology. Definitions, Criteria, and Explanatory Notes. Third Edition. Springer International Publishing, Switzerland, 2015. <http://bit.ly/23jZGwN>
- ❖ Chacón-Verdú MD, Campillo-Brocal JC, Lucas-Elío P, **Davidson VL**, Sánchez-Amat A. (September 2015) Characterization of recombinant biosynthetic precursors of the cysteine tryptophylquinone cofactors of l-lysine-epsilon-oxidase and glycine oxidase from *Marinomonas mediterranea*. *Biochim Biophys Acta*. 2015 Sep;1854(9):1123-31. doi: 10.1016/j.bbapap.2014.12.018. <http://www.ncbi.nlm.nih.gov/pubmed/25542375>
- ❖ Chai AC, Robinson AL, **Chai KX**, Chen LM. (December 2015) Ibuprofen regulates the expression and function of membrane-associated serine proteases prostasin and matriptase. *BMC Cancer*. 2015 Dec 29; 15(1):1025. doi: 10.1186/s12885-015-2039-6. <http://www.ncbi.nlm.nih.gov/pubmed/26715240>
- ❖ Cui Y, Narasimhulu CA, Liu L, Zhang Q, Liu PZ, **Li X**, Xiao Y, Zhang J, Hao H, Xie X, He G, Cui L, **Parthasarathy S**, Liu Z. (November 2015) N-acetylcysteine inhibits in vivo oxidation of native low-density lipoprotein. *Sci Rep*. 2015 Nov 5;5:16339. doi: 10.1038/srep16339. <http://www.ncbi.nlm.nih.gov/pubmed/26536834>
- ❖ Dennys CN, Armstrong J, Levy M, Byun YJ, Ramdial KR, Bott M, Rossi FH, **Fernández-Valle C, Franco MC, Estevez AG**. (September 2015) Chronic inhibitory effect of riluzole on trophic factor production. *Exp Neurol*. 2015 Sep;271:301-7. doi:10.1016/j.expneurol.2015.05.016. <http://www.ncbi.nlm.nih.gov/pubmed/26071088>
- ❖ Doshi M, **Copik A**, Gesquiere AJ. (September 2015) Development and characterization of conducting polymer nanoparticles for photodynamic therapy in vitro. *Photodiagnosis Photodyn Ther*. 2015 Sep;12(3):476-89. doi: 10.1016/j.pdpdt.2015.04.010. <http://www.ncbi.nlm.nih.gov/pubmed/25976507>
- ❖ Dow, B.A. & **Davidson, V.L.** (October 2015) Converting the bis-FeIV state of the diheme enzyme MauG to Compound I decreases the reorganization energy for electron transfer. *Biochemical Journal* 473, 67-72. doi: 10.1042/BJ20150998. <http://www.ncbi.nlm.nih.gov/pubmed/26494530>
- ❖ Dow BA, **Davidson V.L.** (October 2015) Characterization of the free energy dependence of an interprotein electron transfer reaction by variation of pH and site-directed mutagenesis. *Biochim Biophys Acta*. 2015 Oct;1847(10):1181-6. doi: 10.1016/j.bbapap.2015.06.012. <http://www.ncbi.nlm.nih.gov/pubmed/26087387>
- ❖ Garg AV, Amatya N, Chen K, Cruz JA, Grover P, Whibley N, Conti HR, Hernandez Mir G, Sirakova T, Childs EC, Smithgall TE, Biswas PS, Kolls JK, McGeachy MJ, **Kolattukudy PE**, Gaffen SL. (September 2015) MCP1 Endoribonuclease Activity Negatively Regulates Interleukin-17-Mediated Signaling and Inflammation. *Immunity*. 2015 Sep 15;43(3):475-87. doi: 10.1016/j.immuni.2015.07.021. <http://www.ncbi.nlm.nih.gov/pubmed/26320658>
- ❖ Gao FJ, Hebbar S, Gao XA, Alexander M, Pandey JP, Walla MD, Cotham WE, **King SJ**, Smith DS. (September 2015) GSK-3β Phosphorylation of Cytoplasmic Dynein Reduces Ndel1 Binding to Intermediate Chains and Alters Dynein Motility. *Traffic*. 2015 Sep;16(9):941-61. doi: 10.1111/tra.12304. <http://www.ncbi.nlm.nih.gov/pubmed/26010407>
- ❖ **Gillum S.** (October 2015) LWW Health Library Journal of Electronic Resources in Medical Libraries, 12:3, 147-160, DOI: 10.1080/15424065.2015.1065657. <http://www.tandfonline.com/doi/abs/10.1080/15424065.2015.1065657>
- ❖ **Golden A**, Silverman M, Issenberg S. (September 2015) Addressing the Shortage of Geriatricians: What Medical Educators Can Learn From the Nurse Practitioner Training Model. *AcadMed*, 2015 Sep;90(9):1236-40. doi: 10.1097/ACM.0000000000000822. <http://www.ncbi.nlm.nih.gov/pubmed/26200581>
- ❖ Gonzalez AM, Hoffman JR, Jajtner AR, Townsend JR, Boone CH, Beyer KS, Baker KM, Wells AJ, Church DD, Mangine GT, **Oliveira LP**, Moon JR, Fukuda DH, Stout JR. (November 2015) Protein supplementation does not alter intramuscular anabolic signaling or endocrine response after resistance exercise in trained men. *Nutr Res*. 2015 Nov;35(11):990-1000. doi: 10.1016/j.nutres.2015.09.006. <http://www.ncbi.nlm.nih.gov/pubmed/26428621>
- ❖ **Gorman L, Castiglioni A, Hernandez C, Asmar A, Cendan J, Harris D.** (October 2015) Using Preclinical High-Fidelity Medical Simulations to Integrate Pharmacology and Physiology with Clinical Sciences. *Med. Sci. Edu* (2015) 25:521-532. DOI 10.1007/s40670-015-0173z <http://link.springer.com/article/10.1007%2Fs40670-015-0173-z>
- ❖ Grossi M, **Phanstiel O**, Rippe C, Swärd K, Alajbegovic A, Albinsson S, Forte A, Persson L, Hellstrand P, Nilsson BO. (November 2015) Inhibition of polyamine uptake potentiates the anti-proliferative effect of polyamine synthesis inhibition and preserves the contractile phenotype of vascular smooth muscle cells. *J Cell Physiol*. 2015, 9999, 1-9. <http://www.ncbi.nlm.nih.gov/pubmed/26529275>

UCF Faculty AcCOMplishments

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Publications Continued

- ❖ Kaliszewski M, Knott AB, **Bossy-Wetzel E.** (September 2015) Primary cilia and autophagic dysfunction in Huntington's disease. *Cell Death Differ.* 2015 Sep;22(9):1413-24. doi: 10.1038/cdd.2015.80. Epub 2015 Jul 10. Review. <http://www.ncbi.nlm.nih.gov/pubmed/26160070>
- ❖ **Kolattukudy P.** (October 2015) MCPIP: a key player in macrophage polarization. *Oncotarget.* 2015 Oct 6;6(30):28531-2. doi:10.18632/oncotarget.5451. <http://www.ncbi.nlm.nih.gov/pubmed/26387135>
- ❖ Lamperska KM, Kozlowski P, Kolenda T, Teresiak A, Renata B, Weronika P, **Masternak MM**, Golusinski P, Golusinski W. (October 2015) Unpredictable changes of selected miRNA in expression profile of HNSCC. *Cancer Biomark.* <http://www.ncbi.nlm.nih.gov/pubmed/26484611>
- ❖ Ma Z, Williamson HR, **Davidson VL.** (September 2015) Roles of multiple-proton transfer pathways and proton-coupled electron transfer in the reactivity of the bis-FelV state of MauG. *Proc Natl Acad Sci U S A.* 2015 Sep 1;112(35):10896-901. doi:10.1073/pnas.1510986112. <http://www.ncbi.nlm.nih.gov/pubmed/26283395>
- ❖ Nam JH, Park ES, Won SY, Lee YA, Kim KI, Jeong JY, Baek JY, Cho EJ, Jin M, Chung YC, Lee BD, Kim SH, Kim EG, Byun K, Lee B, Woo DH, Lee CJ, Kim SR, Bok E, **Kim YS**, Ahn TB, Ko HW, Brahmachari S, Pletinkova O, Troconso JC, Dawson VL, Dawson TM, Jin BK. (December 2015) TRPV1 on astrocytes rescues nigral dopamine neurons in Parkinson's disease via CNTF. *Brain.* 2015 Dec;138(Pt 12):3610-22. doi: 10.1093/brain/awv297. <http://www.ncbi.nlm.nih.gov/pubmed/26490328>
- ❖ Quach TT, Honnorat J, **Kolattukudy PE**, Khanna R, Duchemin AM. (September 2015) Collapsin response mediator protein 3 increases the dendritic arborization of hippocampal neurons. *Mol Psychiatry.* 2015 Sep;20(9):1027. doi: 10.1038/mp.2015.123. <http://www.ncbi.nlm.nih.gov/pubmed/26293908>
- ❖ Quach TT, Honnorat J, **Kolattukudy PE**, Khanna R, Duchemin AM. (September 2015) CRMPs: critical molecules for neurite morphogenesis and neuropsychiatric diseases. *Mol Psychiatry.* 2015 Sep;20(9):1037-45. doi: 10.1038/mp.2015.77. <http://www.ncbi.nlm.nih.gov/pubmed/26077693>
- ❖ Sharp RC, Abdulrahim M, Naser ES, **Naser SA.** (December 2015) Genetic Variations of PTPN2 and PTPN22: Role in the Pathogenesis of Type 1 Diabetes and Crohn's Disease. *Front Cell Infect Microbiol.* 2015 Dec 24;5:95. doi:10.3389/fcimb.2015.00095. <http://www.ncbi.nlm.nih.gov/pubmed/26734582>
- ❖ **Singla D**, Wang J. (November 2015) Fibroblast Growth Factor-9 Activates c-Kit Progenitor Cells and Enhances Angiogenesis in the Infarcted Diabetic Heart. *Oxid Med Cell Longev.* 2016;2016:5810908. doi: 10.1155/2016/5810908. <http://www.ncbi.nlm.nih.gov/pubmed/26682010>
- ❖ Smith AM, Harrison JS, Grube CD, Sheppe AE, Sahara N, Ishii R, Nureki O, **Roy H.** (November 2015) tRNA-dependent alanylation of diacylglycerol and phosphatidylglycerol in *Corynebacterium glutamicum*. *Mol Microbiol.* 2015 Nov;98(4):681-93. doi:10.1111/mmi.13150. <http://www.ncbi.nlm.nih.gov/pubmed/26235234>
- ❖ Stout MB, Swindell WR, Zhi X, **Rohde K**, List EO, Berryman DE, Kopchick JJ, Gesing A, Fang Y, **Masternak MM.** (September 2015) Transcriptome profiling reveals divergent expression shifts in brown and white adipose tissue from long-lived GHRKO mice. *Oncotarget.* 2015 Sep 29;6(29):26702-15. doi: 10.18632/oncotarget.5760. <http://www.ncbi.nlm.nih.gov/pubmed/26436954>
- ❖ Stout MB, Swindell WR, Zhi X, **Rohde K**, List EO, Berryman DE, Kopchick JJ, Gesing A, Fang Y, **Masternak MM.** (September 2015) Transcriptome profiling reveals divergent expression shifts in brown and white adipose tissue from long-lived GHRKO mice. *Oncotarget.* 2015 Sep 29;6(29):26702-15. doi: 10.18632/oncotarget.5760. <http://www.ncbi.nlm.nih.gov/pubmed/26436954>
- ❖ **Walton D.** (2015) Database Review: VisualDx, *Journal of Electronic Resources in Medical Libraries*, 12:2, 97-104, DOI: 10.1080/15424065.2015.1035567. <http://www.tandfonline.com/doi/abs/10.1080/15424065.2015.1035567>
- ❖ Wan TTH, Ortiz J, Du A, **Golden AG.** (September 2015) Contextual, organizational and ecological effects on the variations in hospital readmissions of rural Medicare beneficiaries in eight southeastern states. *Health Care Management Science* 2015. September 15. doi: 10.1007/s10729-015-9339-x <http://www.ncbi.nlm.nih.gov/pubmed/26373554>
- ❖ Xiang X, Mei H, Zhao X, Pu J, Li D, Qu H, Jiao W, **Zhao J**, Huang K, Zheng L, Tong Q. (September 2015) miRNA-337-3p suppresses neuroblastoma progression by repressing the transcription of matrix metalloproteinase 14. *Oncotarget.* 2015 Sep 8;6(26):22452-66. <http://www.ncbi.nlm.nih.gov/pubmed/26084291>
- ❖ Zheng T, Cherubin P, Cilenti L, **Teter K**, Huo Q. (December 2015) A simple and fast method to study the hydrodynamic size difference of protein disulfide isomerase in oxidized and reduced form using gold nanoparticles and dynamic light scattering. *Analyst.* 2015 Dec 9. <http://www.ncbi.nlm.nih.gov/pubmed/26647758>

UCF Faculty AcCOMplishments continued...

September - December 2015

Presentations

Dr. Cruz

- "Management of patients with complex dystonias", Universidad Militar Nueva Granada, Bogota, Colombia Fall 2015

Dr. Davey

- "Primary Human Papillomavirus Testing: A New Era in Cervical Cancer Screening?" Speaker and Panelist Presentation. College of American Pathologists 2015 Annual Meeting, October 4, 2015.

Dr. Davidson

- "Remote Enzyme Catalysis: Coupling Long Range Electron Transfer to Radical-Mediated Chemistry." Invited seminar at New Mexico State University, Las Cruces, NM, September 2015

Dr. Kay

- "A Web-Based, Just in Time Faculty Development Intervention on EPAs." Presenters: **Berry A, Bailey M, Kay D.** 2015 AAMC Medical Education Meeting, November 9, 2015, Baltimore, Maryland.
- "New Strategies to Collaborate, Innovate, and Disseminate at a Distance." Panel Discussion. Presenters: Hurtubise L, Crites G, Souza K, Crow S, **Berry A**, McKenzie S, **Kay D**, Gaines J, Hall, E. Generalist in Medical Education 36th Annual Conference, November, 2015, Baltimore, MD.

Dr. Roy

- "tRNA-dependent alanylation of diacylglycerol and phosphatidylglycerol in *Corynebacterium glutamicum*" presentation at the 2015 International Symposium on Aminoacyl-tRNA Synthetases

Dr. Singla

- "Increases in M2 Macrophage differentiation Reduces Inflammation and Plaque Formation in Apo E Mice" at the International Academy of Cardiovascular Sciences Meeting, September 10-12, 2015.

Dr. Verduin

- "Academic Change 101: How to Negotiate the Process of Changing Institutions," Workshop. Association for Academic Psychiatry Annual Meeting, San Antonio, Texas, September 17, 2015.
- "The Dreaded 'F' Word: Feedback – If It's So Important, Why is It So Difficult to Do Well?" Workshop. Association for Academic Psychiatry Annual Meeting, San Antonio, Texas, September 17, 2015.
- The "Match Check-Up": a tool for longitudinal career counseling. GSA/OSR Poster Session. Carlyle D, Smith S, **Monroe M**, Spitzer N, Fontaine A, Berera D, **Verduin M.** Association of American Medical Colleges Annual Meeting, Baltimore, MD, November 6, 2015.

Library Team

- "Librarians Join Forces! Collaborating with Faculty and Instructional Designers to Create a Rubric for Students on How to Use Evidence-Based Medicine Resources." Presenters: **Gillum S, Garner M, Herring P, Walton D, Dexter N.** at Southern Chapter Medical Library Association annual meeting in San Juan, Puerto Rico, October 2015.

The Knights Clinic

- Eight Quality Improvement Project posters accepted for the National Conference of Student Run Free Clinics.

Awards and Service

Dr. Chakrabarti

- Awarded a NIH R21 Grant - "Development of Novel Synthetic Alkaloids as Antimalarials"

Dr. Cruz

- Awarded AAN Fellow Status
- Under Dr. Rodriguez-Cruz leadership, the Orlando VA has been recognized as a National VA Parkinson's Disease Consortium Center

Dr. Kay

- Awarded a Medical Education Educational \$10,000 Research Grant- Novel Pedagogy with Dr. Simms-Cendan for their work on Developing an interprofessional health care delivery model for geriatric health & wellness.

Dr. Pasarica

- Awarded Florida Academy of Family Physicians Foundations (FAFPF) grant for her work on Women's Health in Family Medicine

Dr. Phanstiel

- Awarded internal COM award for \$5k to work on the development of Polyamine Transport Inhibitors as new anticancer agents

Dr. Simms-Cendan

- Awarded a Medical Education Educational \$10k Research Grant in Novel Pedagogy with Dr. Kay for their work on Developing an interprofessional health care delivery model for geriatric health & wellness.

Dr. Verduin

- Became Vice President of the Association for Academic Psychiatry