

UCF Faculty AcCOMplishments

July – September 2016

Publications

- ❖ Banerjee T, Cilenti L, Taylor M, Showman A, Tatulian SA, **Teter K.** (September 2016). Thermal Unfolding of the Pertussis Toxin S1 Subunit Facilitates Toxin Translocation to the Cytosol by the Mechanism of Endoplasmic Reticulum-Associated Degradation. *Infect Immun.* 2016 Sep 19. pii: IAI.00732-16. <https://www.ncbi.nlm.nih.gov/pubmed/27647866>
- ❖ Barczak W, Golusiński P, Luczewski L, Suchorska WM, **Masternak MM,** Golusiński W. (July 2016). The importance of stem cell engineering in head and neck oncology. *Biotechnol Lett.* 2016 Oct;38(10):1665-72. doi: 10.1007/s10529-016-2163-7. Epub 2016 Jun 24. <https://www.ncbi.nlm.nih.gov/pubmed/27341837>
- ❖ Bassiouni R, Nemecek KN, Iketani A, Flores O, Showalter A, **Khaled AS, Vishnubhotla P,** Sprung RW Jr, Kaittanis C, Perez JM, Khaled AR. (September 2016). Chaperonin Containing TCP-1 Protein Level in Breast Cancer Cells Predicts Therapeutic Application of a Cytotoxic Peptide. *Clin Cancer Res.* 2016 Sep 1;22(17):4366-79. doi: 10.1158/1078-0432.CCR-15-2502. Epub 2016 Mar 24. <https://www.ncbi.nlm.nih.gov/pubmed/27012814>
- ❖ Cox AJ, Bengtson HN, Gerasimova YV, **Rohde KH,** Kolpashchikov DM. (September 2016). DNA Antenna Tile-Associated Deoxyribozyme Sensor with Improved Sensitivity. *Chembiochem.* 2016 Sep 13. <https://www.ncbi.nlm.nih.gov/pubmed/27620365>
- ❖ Ding J, Li X, Hu H. (September 2016). TarPmiR: a new approach for microRNA target site prediction. *Bioinformatics.* 2016 Sep 15;32(18):2768-75. doi: 10.1093/bioinformatics/btw318. Epub 2016 May 20. <https://www.ncbi.nlm.nih.gov/pubmed/27207945>
- ❖ **Ganti L,** Kaufman M, Mishra N. First Aid for the Surgery Clerkship, 3rd Ed. McGraw Hill, 2016. ISBN-13: 978-0071842099
- ❖ **Ganti L,** Kaufman M, Blitzstein S. First Aid for the Psychiatry Clerkship, 4th Ed. McGraw Hill, 2016. ISBN-13: 978-0071841740
- ❖ **Ganti L,** Daneshvar Y, Ayala S, Bodhit AN, Peters KR. (July 2016) The value of neurocognitive testing for acute outcomes after mild traumatic brain injury. *Mil Med Res.* 2016 Jul 22;3:23. doi: 10.1186/s40779-016-0091-4. eCollection 2016. <https://www.ncbi.nlm.nih.gov/pubmed/27453788>
- ❖ Gesing A, Wiesenborn D, Do A, Menon V, Schneider A, Victoria B, Stout MB, Kopchick JJ, Bartke A, **Masternak MM.** (September 2016). A Long-lived Mouse Lacking Both Growth Hormone and Growth Hormone Receptor: A New Animal Model for Aging Studies. *J Gerontol A Biol Sci Med Sci.* 2016 Sep 29. pii: glw193. <https://www.ncbi.nlm.nih.gov/pubmed/27688483>
- ❖ Ghofrani M, Zhao C, **Davey DD,** Fan F, **Husain M,** Laser A, Ocal IT, Shen RZ, Goodrich K, Souers RJ, Crothers BA. (August 2016) Update on the College of American Pathologists' Experience With High-Risk Human Papillomavirus Proficiency Testing for Cytology. *Arch Pathol Lab Med.* 2016 Aug 24. <https://www.ncbi.nlm.nih.gov/pubmed/27557412>
- ❖ **Golden AG,** Xiu P, Wan TTH, Issenburg SB. (July 2016) Estimating the Net Career Income of a Geriatrician and a Nurse Practitioner — Still Want to be a Doctor?" *Southern Medical Journal* 2016;109(7):409-14. <https://www.ncbi.nlm.nih.gov/pubmed/27364025>
- ❖ Grube CD, **Roy H.** (August 2016). A Quantitative Spectrophotometric Assay to Monitor the tRNA-Dependent Pathway for Lipid Aminoacylation In Vitro. *J Biomol Screen.* 2016 Aug;21(7):722-8. doi: 10.1177/1087057116642987. Epub 2016 Apr 12. <https://www.ncbi.nlm.nih.gov/pubmed/27073192>
- ❖ **Herring, P.** A review of AccessPharmacy. *Doody's Collection Development Monthly.* Published September 27, 2016. <http://dcdm.doody.com/2016/09/a-review-of-accesspharmacy/>
- ❖ **Hines RB,** Bimali M, Johnson AM, Bayakly AR, Collins TC. (August 2016) Prevalence and survival benefit of adjuvant chemotherapy in stage III colon cancer patients: Comparison of overall and age-stratified results by multivariable modeling and propensity score methodology in a population-based cohort. *Cancer Epidemiol.* 2016;44:77-83. <https://www.ncbi.nlm.nih.gov/pubmed/27513721>
- ❖ Le Bras GF, Farooq MH, Falk GW, **Andl CD.** (August 2016) Esophageal cancer: The latest on chemoprevention and state of the art therapies. *Pharmacol Res.* 2016 Aug 24;113(Pt A):236-244. doi: 10.1016/j.phrs.2016.08.021 <https://www.ncbi.nlm.nih.gov/pubmed/27565381>

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Publications

- ❖ Li Y, Johnson JB, **Parks GD**. (August 2016). Parainfluenza virus 5 upregulates CD55 expression to produce virions with enhanced resistance to complement-mediated neutralization. *Virology*. 2016 Oct;497:305-13. doi: 10.1016/j.virol.2016.07.030. Epub 2016 Aug 6. <https://www.ncbi.nlm.nih.gov/pubmed/27505156>
- ❖ Ottman R, Levy J, Grizzle WE, **Chakrabarti R**. (September 2016). The other face of miR-17-92a cluster, exhibiting tumor suppressor effects in prostate cancer. *Oncotarget*. 2016 Sep 16. doi: 10.18632/oncotarget.12061. <https://www.ncbi.nlm.nih.gov/pubmed/27650539>
- ❖ Ma Z, Williamson HR, **Davidson VL** (Sept. 2016) A Suicide Mutation Affecting Proton Transfers to High-Valent Hemes Causes Inactivation of MauG during Catalysis. *Biochemistry*. 2016 Sep 26. [Epub ahead of print] DOI: 10.1021/acs.biochem.6b00816 <https://www.ncbi.nlm.nih.gov/pubmed/27622473>
- ❖ Narasimhulu CA, Selvarajan K, Burge KY, Litvinov D, Sengupta B, **Parthasarathy S**. (July 2016). Water-Soluble Components of Sesame Oil Reduce Inflammation and Atherosclerosis. *J Med Food*. 2016 Jul;19(7):629-37. doi: 10.1089/jmf.2015.0154. Epub 2016 Jun 27. <https://www.ncbi.nlm.nih.gov/pubmed/27348418>
- ❖ Parrett CJ, Lenoci RV, Nguyen B, Russell L, **Jewett TJ**. (August 2016) Targeted Disruption of Chlamydia trachomatis Invasion by in Trans Expression of Dominant Negative Tarp Effectors. *Frontiers in Cellular and Infection Microbiology*. 2016 Aug 23;6:84. doi: 10.3389/fcimb.2016.00084. eCollection 2016. <https://www.ncbi.nlm.nih.gov/pubmed/27602332>
- ❖ **Pasarica M**, Lee E, Lee M. (September 2016) Introduction to mindfulness: evidence-based medicine lecture and active session. *MedEdPORTAL Publications*. 2016;12:10472. http://dx.doi.org/10.15766/mep_2374-8265.10472
- ❖ Plaut RD, Scanlon KM, Taylor M, **Teter K**, Carbonetti NH. (August 2016). Intracellular disassembly and activity of pertussis toxin require interaction with ATP. *Pathog Dis*. 2016 Aug;74(6). pii: ftw065. doi: 10.1093/femspd/ftw065. Epub 2016 Jun 30. <https://www.ncbi.nlm.nih.gov/pubmed/27369899>
- ❖ Qasem A, Safavikhasraghi M, **Naser SA**. (September 2016). A single capsule formulation of RHB-104 demonstrates higher anti-microbial growth potency for effective treatment of Crohn's disease associated with Mycobacterium avium subspeciesparatuberculosis. *Gut Pathog*. 2016 Sep 29;8:45. <https://www.ncbi.nlm.nih.gov/pubmed/27708718>
- ❖ Roqueta-Rivera M, Esquejo RM, Phelan PE, Sandor K, Daniel B, Fougelle F, Ding J, **Li X**, Khorasanizadeh S, Osborne TF. (September 2016). SETDB2 Links Glucocorticoid to Lipid Metabolism through Insig2a Regulation. *Cell Metab*. 2016 Sep 13;24(3):474-84. doi: 10.1016/j.cmet.2016.07.025. Epub 2016 Aug 25. <https://www.ncbi.nlm.nih.gov/pubmed/27568546>
- ❖ Sandhaus S, Annamalai T, Welmaker G, Houghten RA, Paz C, Garcia PK, Andres A, Narula G, Rodrigues Felix C, Geden S, Netherton M, Gupta R, **Rohde KH**, Giulianotti MA, Tse-Dinh YC. (July 2016). Small-Molecule Inhibitors Targeting Topoisomerase I as Novel Antituberculosis Agents. *Antimicrob Agents Chemother*. 2016 Jun 20;60(7):4028-36. doi: 10.1128/AAC.00288-16. Print 2016 Jul. <https://www.ncbi.nlm.nih.gov/pubmed/27114277>
- ❖ Santanam N, Zoneraich N, **Parthasarathy S**. (September 2016). Myeloperoxidase as a Potential Target in Women With Endometriosis Undergoing IVF. *Reprod Sci*. 2016 Sep 22. pii: 1933719116667225. <https://www.ncbi.nlm.nih.gov/pubmed/27662901>
- ❖ Schneider A, Matkovich SJ, Saccon T, Victoria B, Spinel L, Lavasani M, Bartke A, Golusinski P, **Masternak MM**. (September 2016). Ovarian transcriptome associated with reproductive senescence in the long-living Ames dwarf mice. *Mol Cell Endocrinol*. 2016 Sep 20. pii: S0303-7207(16)30384-7. doi: 10.1016/j.mce.2016.09.019. <https://www.ncbi.nlm.nih.gov/pubmed/27663076>
- ❖ Sehanobish E, Williamson HR, **Davidson VL** (Sept. 2016) Roles of conserved residues of GoxA in controlling glycine oxidase activity, cooperativity, subunit composition and cysteine tryptophylquinone biosynthesis. *J Biol Chem*. 2016 Sep 16. [Epub ahead of print] doi:10.1074/jbc.M116.741835 <https://www.ncbi.nlm.nih.gov/pubmed/27637328>

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July - September 2016

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- ❖ Seyhan A, Nunez-Lopez Y, Xie H, Yi F, Mathews C, **Pasarica M**, Pratley R. (August 2016) Pancreas-enriched miRNAs are altered in the circulation of subjects with diabetes: a pilot cross-sectional study – *Scientific reports* –Nature (IF 5.7) *Sci Rep*. 2016 Aug 25;6:31479. doi: 10.1038/srep31479. <https://www.ncbi.nlm.nih.gov/pubmed/27558530>
- ❖ Showman A, Aranjuez G, Adams P, **Jewett M**. (August 2016) Gene bb0318 is critical for the oxidative stress response and infectivity of *Borrelia burgdorferi*. *Infection and Immunity*. 2016 Aug 22. pii: IAI.00430-16. <https://www.ncbi.nlm.nih.gov/pubmed/27550932>
- ❖ Stead T S, Rastogi V, Hedna V S, **Ganti L**. (August 2016) Awareness of the CDC “Heads Up!” to Youth Sports Campaign among Pediatric Sports Coaches: A Pilot Survey Study. *Cureus* 8(8): e755. doi:10.7759/cureus.755 <https://www.ncbi.nlm.nih.gov/pubmed/27733960>
- ❖ **Strutt TM, McKinstry KK**, Kuang Y, Finn CM, Hwang JH, Dhume K, Sell S, Swain SL. (September 2016). Direct IL-6 Signals Maximize Protective Secondary CD4 T Cell Responses against Influenza. *J Immunol*. 2016 Sep 19. pii: 1600033. <https://www.ncbi.nlm.nih.gov/pubmed/27647834>
- ❖ **Walton, D**. Collection development in a born-digital health sciences library. *Doody's Review Service*. Published September 15, 2016. <http://www.doody.com/dej/PublicFeaturedArticle.asp?SiteContentID=212&SID={BE148F54-0967-4E2E-A44C-5B559FD0D625}>.
- ❖ Wang Y, Hu H, **Li X**. (September 2016). rRNAFilter: A Fast Approach for Ribosomal RNA Read Removal Without a Reference Database. *J Comput Biol*. 2016 Sep 9. <https://www.ncbi.nlm.nih.gov/pubmed/27610931>
- ❖ Wang Y, Hu H, **Li X**. (August 2016). MBMC: An Effective Markov Chain Approach for Binning Metagenomic Reads from Environmental Shotgun Sequencing Projects. *OMICS*. 2016 Aug;20(8):470-9. doi: 10.1089/omi.2016.0081. Epub 2016 Jul 22. <https://www.ncbi.nlm.nih.gov/pubmed/27447888>
- ❖ Warren KM, Islam MM, LeDuc PR, Steward R Jr. (August 2016). 2D and 3D Mechanobiology in Human and Nonhuman Systems. *ACS Appl Mater Interfaces*. 2016 Aug 31;8(34):21869-82. doi: 10.1021/acsami.5b12064. Epub 2016 May 23. <https://www.ncbi.nlm.nih.gov/pubmed/27214883>
- ❖ Wen PJ, Grenklo S, Arpino G, Tan X, Liao HS, Heureaux J, Peng SY, Chiang HC, Hamid E, Zhao WD, Shin W, Näreoja T, Evergren E, Jin Y, Karlsson R, **Ebert SN**, Jin A, Liu AP, Shupliakov O, Wu LG. (August 2016). Actin dynamics provides membrane tension to merge fusing vesicles into the plasma membrane. *Nat Commun*. 2016 Aug 31;7:12604. doi: 10.1038/ncomms12604. <https://www.ncbi.nlm.nih.gov/pubmed/27576662>
- ❖ Zhao C, Crothers BA, Ghofrani M, Li Z, Souers RJ, **Hussain M**, Fan F, Ocal IT, Goodrich K, Shen R, **Davey DD**, Committee CO. (August 2016) Human Papillomavirus Genotyping Testing Practice in 2014: Results of a College of American Pathologists National Survey. *Arch Pathol Lab Med*. 2016 Aug 4. <https://www.ncbi.nlm.nih.gov/pubmed/27479334>
- ❖ Zhao C, Crothers BA, Ghofrani M, Li Z, Souers RJ, **Hussain M**, Fan F, Ocal IT, **Davey DD**. College of American Pathologists Cytopathology Committee (August 2016) Misinterpretation Rates of High-Grade Squamous Intraepithelial Lesion in the College of American Pathologists Gynecologic PAP Education and PAP Proficiency Test Program. *Arch Pathol Lab Med*. 2016 Aug 23. <https://www.ncbi.nlm.nih.gov/pubmed/27552094>
- ❖ Zhao C, **Li X**, Hu H. (July 2016). PETModule: a motif module based approach for enhancer target gene prediction. *Sci Rep*. 2016 Jul 20;6:30043. doi: 10.1038/srep30043. <https://www.ncbi.nlm.nih.gov/pubmed/27436110>
- ❖ Zhou L, Xu M, Yang Y, Yang K, Wickett RR, **Andl T**, Millar SE, Zhang Y. (July 2016) Activation of β -Catenin Signaling in CD133-Positive Dermal Papilla Cells Drives Postnatal Hair Growth. *PLoS One*. 2016 Jul 29;11(7):e0160425. doi: 10.1371/journal.pone.0160425. eCollection 2016. <https://www.ncbi.nlm.nih.gov/pubmed/27472062>
- ❖ Zhou L, Yang K, Xu M, **Andl T**, Millar SE, Boyce S, Zhang Y. (July 2016). Activating β -catenin signaling in CD133-positive dermal papilla cells increases hair inductivity. *FEBS J*. 2016 Aug;283(15):2823-35. doi: 10.1111/febs.13784. Epub 2016 Jul 11. <https://www.ncbi.nlm.nih.gov/pubmed/27312243>

UCF Faculty AcCOMplishments

July - September 2016

Presentations

- ❖ Dr. Adam Golden
 - *Improving Therapeutics to Better Care for Older Adults and the Young*. American College of Clinical Pharmacology, Bethesda, Maryland, September 23, 2016.
- ❖ Dr. Diane Davey
 - *New Guidelines for the Prevention and Early Detection of Cervical Cancer*. XXXI International Academy of Pathology and 28th Congress of the European Society of Pathology, Cologne Germany, September 27, 2016
- ❖ Dr. Dinender Singla
 - *M2 macrophages in Atherosclerosis*. International Academy of Cardiology 21st World congress on Heart Diseases at Boston July 30-August 1 2016.
 - *Increased Anti-inflammatory M2 macrophages Prevents Cardiac Diseases*. 4th Annual Meeting of the IACS North American Section to be held in Sherbrooke, September 22-24th, 2016.
- ❖ Dr. Marcy Verduin
 - *Putting Together Powerful Promotion Portfolios: The External Review*. Association for Academic Psychiatry Annual Meeting, San Juan, Puerto Rico, September 23, 2016.
- ❖ Dr. Martin Klapheke
 - *Public Health Crisis of Opioid Overdoses, and the New CDC Guidelines for Prescribing Opioids for Chronic Pain*, Presentation to the Seminole County Medical Society, September 20, 2016.

Awards and Service

- ❖ Dr. Adam Golden
 - Promoted to Professor in the Department of Internal Medicine
 - Enhancing the Quality of Prescribing Practices for Older Veterans Discharged from the Emergency Department (EQUIPPED). Funded through the Department of Veterans Affairs Office of Geriatrics & Extended Care, 2016-2017, Total funding is \$57,500. Role: Geriatric Consultant for Orlando VA
- ❖ Dr. Annette Khaled
 - Grant title: RF:Development of a Cytoskeletal-Disrupting Approach for the Treatment of Metastatic Breast Cancer. Awarded amount: \$250,000
- ❖ Dr. Latha Ganti
 - Accepted into the FCTL Fall 2016 UCF Scholarship of Teaching and Learning Faculty Development Cohort
 - Appointed to Research Committee for American College of Emergency Physicians
 - Appointed as Oral Board examiner, American Academy of Emergency Medicine
- ❖ Dr. Marcy Verduin
 - Became President-Elect for the Association for Academic Psychiatry.
- ❖ Dr. Martin Klapheke
 - Served as Visiting Professor of Psychiatry at Myungsung Medical College, Addis Ababa, Ethiopia, July, 2016.
 - Accepted invitation from ADMSEP national organization to be a research mentor in the ADMSEP Education Scholars Program, 2016-2018.
- ❖ Dr. Mohtashem Samsam
 - Dr. M. Samsam and Dr. R. Ahangari as CO-PIs in a phase-1 (2016-2017) Defense Health Program (DHP)-SBIR were awarded \$23,773. The grant proposal was presented by Adaptive Immersion Technologies to develop a "Holographic Health Avatar for Predictive and Preventative Medicine, together with the UCF COM faculty.
 - Selected as the 2016-2017 COM iSTEM Fellow by the UCF iSTEM Fellowship Program for developing educational grant proposals.
- ❖ Dr. Richard Pepler
 - Chaired the Steering committee for the Southern Association of Colleges and Schools Commission on Colleges to the University of Texas Health Science Center at San Antonio on the Master of Deaf Education and Hearing Science

"Coming together is a beginning. Keeping together is progress. Working together is success."

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